1. **General Requirements**

All parameters listed in an analytical method, protocol, or Table 1, within this Attachment D8, must be analyzed. Contractors must meet parameter update requirements as specified in Attachment D1, *Technical Specifications, Section* A2. All instrumental, sample preparatory, and QA/QC procedures must be met in accordance with the method and/or **Attachment D3 – Quality Assurance/Quality Control Data Criteria***.* Any alterations of an analytical method, parameter list, or QA/QC item must be approved by the responsible IDEM/OWQ section.

**B. Method Detection Limits (MDL)**

MDLs must be determined in accordance with 40 CFR Part 136, Appendix B, Revision 2 at a frequency specified in the method or **Attachment D9 – Method Quality Control Criteria, Table 1**, whichever more frequent. If Contractors utilize multiple instruments for a procedure, Contractors shall report the largest MDL value for an analyte obtained from a group of instruments. Contractors must list the instrument identification number or some other form of identifier with the MDL value obtained from that instrument.

**C. Contract Required Quantitation Limits (CRQL)**

CRQLs are listed in Table 1 within this Attachment D8. IDEM/OWQ utilized the higher value of laboratory reported MDLs or method MDLs times a factor of 3.18 as recommended in USEPA wastewater compliance guidance. Typically the values are rounded up after applying this multiplier.

IDEM/OWQ realizes these CRQLs may present some difficulty in achieving for some parameters. IDEM/OWQ will take any suggested CRQL or reporting limit under advisement.

Contractors may suggest higher CRQLs. Contractors must provide the reporting limit they can achieve for each parameter the Contractor desires to increase. MDL studies must be provided in accordance with the appendices. Alternative CRQLs must be approved by IDEM/OWQ.

Alternative CRQLs must be submitted in paper and disk formats. Disk format must be an ASCII delimited file of the format:

Parameter name, Chem Abstracts No, method number, suggested CRQL, units

Contractors must report the actual detection or reporting limits used for an analytical procedure, in an analytical report. These limits can be the current operating or reporting limits for a Contractor’s facility, for a procedure. Do not report the CRQLs listed in Table 1, of this Attachment D8, in an analytical report, unless these are the detection limits. Contractors may use a single reporting limit for all instruments potentially utilized for an analytical method. Contractors must notify IDEM/OWQ of changes in reporting limits.

**D. Analytical Procedure Modifications**

Many analytical methods allow changes in separatory methods, columns, extraction techniques, and preconcentration procedures. The modification must provide analyte selectivity and detector response greater than or equal to the unmodified procedure.

Modifications outside of those specified in the method must be approved by IDEM/OWQ prior to utilization on IDEM/OWQ samples.

Modifications may be approved on a conditional basis until sufficient sample analyses are conducted (at least thirty (30) actual samples) under production conditions.

To receive conditional approval for a procedure modification the Contractor must provide the following:

1. Sample and QA/QC numbers, prep dates and times, analytical sequence, and names analyst(s) and/or technician(s).
2. MDL determination.
3. Initial Precision and Recovery (IPR) determination or (study)
4. Side by side comparison runs without modifications.
5. All sample preparation data.
6. Initial, intermediate, and final volumes for each step.
7. Instrumental conditions, column types, detectors, flow rates, or other operational parameters.
8. Raw data.
9. QA/QC showing accuracy and precision.

Permanent approval may be granted by IDEM/OWQ after reviewing results of production analytical runs with the modification(s).

**Algal Biomass*[[1]](#footnote-1)*** **[[2]](#footnote-2)****[[3]](#footnote-3) Water**

PIC E-PIC 4 Total 10 33 ug/L EPA 440.0 100 Days

TPC E-TPC4 Total 10 33 ug/L EPA 440.0 100 Days

TPCN 7440-44-0 Total 10 33 ug/L EPA 440.0 100 Days

TPN E-TPN 4 Total 63 200 mg/L EPA 440.0 100 Days

Chlorophyll a 479-61-8 Total 0.079 0.25 ug/L EPA 445.0

Periphyton Algal Biomass E-PERI-C 4 Attached 0.094 0.3 mg/M2 EPA 445.0 24 Days

Periphyton Pheophytin E-PERI-P 4 Attached 0.094 0.3 mg/M2 EPA 445.0 24 Days

Total 0.094 0.3 ug/L EPA 445.0 29 Days

Phytoplankton Chlorophyll-a E-PHYTO-C 4 Total 0.094 0.3 ug/L EPA 445.0 24 Days

Phytoplankton Pheophytin E-PHYTO-P 4 Total 0.094 0.3 ug/L EPA 445.0 24 Days

Chlorophyll a 479-61-8 Total 0.097 0.31 ug/L EPA 445M

Periphyton Algal Biomass E-PERI-C 4 Attached 0.094 0.3 mg/M2 EPA 445M 29 Days

Periphyton Pheophytin E-PERI-P 4 Attached 0.094 0.3 mg/M2 EPA 445M 24 Days

Chlorophyll a 479-61-8 Total 0.31 1 mg/L EPA 446.0 25 Days

Total 0.31 1 ug/L SM10200H 25 Days

AFDM E-AFDM 4 Total 11 36 g/M2 SM10200I(5)

Total 11 36 g/M2 USGS B352085

**Bacteriology** **Water**

Anatoxin-a 64285-06-9 Total 3.1 10 ug/L Abraxis-520050

Total 3.1 10 ug/L Abraxis-520060

Cylindrospermopsin 143545-90-8 Total 0.016 0.05 ug/L Abraxis-522011

Saxitoxin 35523-89-8 Total 0.0063 0.02 ug/L Abraxis-52255B 14 Days

E. coli ECOLI 4 Total 0.31 1 CFU/100mL EPA 1103.1 8 Hours

Total 0.31 1 MPN/100mL EPA 1603

Microcystin-LR 101043-37-2 Total 0.047 0.15 ug/L EPA 546 14 Days

Microcystin-LR 101043-37-2 Total 0.047 0.15 ug/L Microcystins ADDA

E. coli ECOLI 4 Total 0.31 1 CFU/100mL SM9213D 8 Hours

HPC E-HPC 4 Total 0.31 1 MPN/100mL SM9215 8 Hours

Coliforms (Total) TCOLI 4 Total 0.31 1 CFU/100mL SM9221B 8 Hours

Total 0.31 1 CFU/100mL SM9221C 8 Hours

Coliform, Fecal FCOLI 4 Total 0.31 1 CFU/100mL SM9221E 8 Hours

E. coli ECOLI 4 Total 0.31 1 CFU/100mL SM9221F 8 Hours

Coliform, Fecal FCOLI 4 Total 0.31 1 CFU/100mL SM9222B 8 Hours

Coliforms (Total) TCOLI 4 Total 0.31 1 CFU/100mL SM9222B 8 Hours

E. coli ECOLI 4 Total 0.31 1 CFU/100mL SM9222B 8 Hours

Coliforms (Total) TCOLI 4 Total 0.31 1 CFU/100mL SM9222C 8 Hours

Coliform, Fecal FCOLI 4 Total 0.31 1 CFU/100mL SM9222D 8 Hours

E. coli ECOLI 4 Total 0.31 1 CFU/100mL SM9222D 8 Hours

Total 0.31 1 CFU/100mL SM9222G 8 Hours

Coliforms (Total) TCOLI 4 Total 0.31 1 CFU/100mL SM9223 8 Hours

Total 0.31 1 MPN/100mL SM9223B 8 Hours

E. coli ECOLI 4 Total 0.31 1 MPN/100mL SM9223B 8 Hours

Fecal Streptococcus FSTREP 4 Total 0.31 1 MPN/100mL SM9230C 2 Hours

Specific Conductance (Lab) E-10184 [[4]](#footnote-4) Total 0.31 1 umho/cm EPA 120.1 28 Days

**Cyanide**  ***[[5]](#footnote-5)*** **Water**

Cyanide (Chlorine Amenable) 57-12-5 Total 0.0031 0.01 mg/L EPA 335.1 14 Days

Cyanide (Total) Total 0.0031 0.01 mg/L EPA 335.2 14 Days

Total 0.0031 0.01 mg/L EPA 335.3 14 Days

Total 0.0031 0.01 mg/L EPA 335.4 14 Days

Cyanide (Weak Acid Dissociable) 57-12-5 Free 0.00063 0.002 mg/L OIA-1677 14 Days

Cyanide (Total) Total 0.0031 0.01 mg/L OIA-1678 14 Days

Cyanide (Total) 57-12-5 Total 0.05 0.16 mg/L SM4500CN-C 14 Days

Total 0.05 0.16 mg/L SM4500CN-E 14 Days

Total 0.05 0.16 mg/L SM4500CN-F 14 Days

Cyanide (Chlorine Amenable) Total 0.0031 0.01 mg/L SM4500CN-G 14 Days

Cyanide (Weak Acid Dissociable) Free 0.0031 0.01 mg/L SM4500CN-I 14 Days

Cyanide (Total) 57-12-5 Total 0.0031 0.01 mg/L SW846 9010 14 Days

Total 0.0031 0.01 mg/L SW846 9012 14 Days

**General Chemistry[[6]](#footnote-6)** **Water**

Hardness (as CaCO3) [[7]](#footnote-7) E-11778 4 Total 0.31 1 mg/L EPA 130.1 6 Months

Total 0.31 1 mg/L EPA 130.2 6 Months

pH (Lab) [[8]](#footnote-8) E-10139 4 Total 0.031 0.1 SU EPA 150 Immed.

Solids, Total Dissolved (TDS) E-10173 4 Dissolved 3.1 10 mg/L EPA 160.1 7 Days

Solids, Suspended Total, (TSS) E-10151 4 Total 1.3 4 mg/L EPA 160.2 7 Days

Solids, Total (TS) Total 0.31 1 mg/L EPA 160.3 7 Days

Solids, Total Volatile (TVS) E-11927 Total 3.1 10 mg/L EPA 160.4 7 Days

Solids, Volatile Suspended (VSS) VSSOLIDS 4 Total 3.1 10 mg/L EPA 160.4 7 Days

Oil and Grease E-10140 4 Total 1.6 5 mg/L EPA 1664 28 Days

Turbidity (Hach) E-10617 4 Total 0.016 0.05 NTU EPA 180.1 48 Hours

Turbidity (Lab) Total 0.016 0.05 NTU EPA 180.1 48 Hours

Bromate 15541-45-4 Dissolved[[9]](#footnote-9) 0.019 0.06 mg/L EPA 300.0 28 Days

Bromide 24959-67-9 Dissolved 0.0094 0.03 mg/L EPA 300.0 28 Days

Chlorate 14866-68-3 Dissolved 0.0031 0.01 mg/L EPA 300.0 28 Days

Chloride 16887-00-6 Dissolved 0.019 0.06 mg/L EPA 300.0 28 Days

Chlorite 14998-27-7 Dissolved 0.0094 0.03 mg/L EPA 300.0 28 Days

Fluoride 16984-48-8 Dissolved 0.0094 0.03 mg/L EPA 300.0 28 Days

Sulfate 14808-79-8 Dissolved 0.016 0.05 mg/L EPA 300.0 28 Days

Alkalinity (as CaCO3) E-14506 4 Total 0.94 3 mg/L EPA 310.1 14 Days

Total 3.1 10 mg/L EPA 310.2 14 Days

Bromine 7726-95-6 Total 3.1 10 mg/L EPA 320.1 28 Days

Chloride 16887-00-6 Total 0.31 1 mg/L EPA 325.2 28 Days

Total 0.31 1 mg/L EPA 325.3 28 Days

Fluoride 16984-48-8 Total 0.031 0.1 mg/L EPA 340.2 28 Days

Sulfate 14808-79-8 Total 0.16 0.5 mg/L EPA 375.2 28 Days

Total 0.16 0.5 mg/L EPA 375.4 28 Days

Sulfide 18496-25-8 Total 0.31 1 mg/L EPA 376.2 7 Days

Oil and Grease E-10140 4 Total 1.6 5 mg/L EPA 413.1 28 Days

TPH - IR [[10]](#footnote-10) 68334-30-5 Total 0.31 1 mg/L EPA 418.1 28 Days

Surfactants E-14562 4 Total 0.079 0.25 mg/L EPA 425.1 48 Hours

Turbidity (Lab) E-10617 4 Total 0.0063 0.02 NTU SM2130B 48 Hours

Acidity (as CaCO3) E-00435 4 Total 6.3 20 mg/L SM2310B 14 Days

Alkalinity (as CaCO3) E-14506 4 Total 6.3 20 mg/L SM2320B 14 Days

Hardness (as CaCO3) 5 E-11778 4 Total 0.13 0.4 mg/L SM2340 6 Months

Total 0.13 0.4 mg/L SM2340B 6 Months

Total 0.13 0.4 mg/L SM2340C 6 Months

**General Chemistry** **Water**

Specific Conductance (Lab) E-101844 Total 0.31 1 umho/cm SM2510B 28 Days

Solids, Total (TS) E-101514 Total 0.31 1 mg/L SM2540B 7 Days

Solids, Total Dissolved (TDS) E-101734 Dissolved 3.1 10 mg/L SM2540C 7 Days

Solids, Suspended Total, (TSS) E-101514 Total 1.3 4 mg/L SM2540D 7 Days

Solids, Total Volatile (TVS) E-119274 Total 3.1 10 mg/L SM2540E 7 Days

Solids, Volatile Suspended (VSS) VSSOLIDS4 Total 3.1 10 mg/L SM2540E 7 Days

Solids, Total (TS) E-101514 Total 0.31 1 mg/L SM2540G 7 Days

Temperature E-TEMPERATURE4 Total 0.031 0.1 °C SM2550B(1) Immed.

Total 0.031 0.1 °C SM2550B(2) Immed.

Chloride 16887-00-6 Total 150 477 mg/L SM4500CL(-)- 28 Days

Total 0.0094 0.03 mg/L SM4500Cl-D 28 Days

Chlorine (Total) 7782-50-5 Free 190 600 mg/L SM4500Cl-D4B Immed.

Total 190 600 mg/L SM4500Cl-D4C Immed.

Chloride 16887-00-6 Total 0.31 1 mg/L SM4500Cl-E 28 Days

Chlorine (Total) 7782-50-5 Total 10 32 ug/L SM4500Cl-E Immed.

Free 18 57 ug/L SM4500Cl-F33 Immed.

Total 18 57 ug/L SM4500Cl-F34 Immed.

Free 10 32 ug/L SM4500Cl-G4C Immed.

Total 10 32 ug/L SM4500Cl-G4H Immed.

Fluoride 16984-48-8 Total 0.031 0.1 mg/L SM4500F(-)-B 28 Days

Total 0.031 0.1 mg/L SM4500F(-)-C 28 Days

Total 0.0031 0.01 mg/L SM4500F(-)-D 28 Days

Total 0.031 0.1 mg/L SM4500F(-)-E 28 Days

DO, Winkler E-145394 Total 0.063 0.2 mg/L SM4500-OC Immed.

DO Total 0.0094 0.03 mg/L SM4500-OG Immed.

Sulfate 14808-79-8 Total 0.16 0.5 mg/L SM4500-SO4F 28 Days

Oil and Grease E-101404 Total 1.6 5 mg/L SM5520C 28 Days

Surfactants E-145624 Total 0.079 0.25 mg/L SM5540C 48 Hours

Surfactants, Anionic (MBAS) Total 9.4 30 ug/L SM5540-C 48 Hours

Surfactants, Nonionic (CTAS) Total 31 100 ug/L SM5540-D 48 Hours

Sulfide [[11]](#footnote-11) 18496-25-8 Total 0.31 1 mg/L SW846 9030 7 Days

Oil and Grease E-101404 Total 1.6 5 mg/L SW846 9071B 28 Days

**Metals [[12]](#footnote-12)** **Water**

Mercury 7439-97-6 Dissolved 0.063 0.2 ng/L EPA 1631 90 Days

Total 0.063 0.2 ng/L EPA 1631 28 Days

Chromium, Hexavalent 18540-29-9 Dissolved[[13]](#footnote-13) 0.16 0.5 ug/L EPA 1636 30 Days

Aluminum 7429-90-5 Dissolved 6.3 20 ug/L EPA 200.7 6 Months

Total 6.3 20 ug/L EPA 200.7 6 Months

Antimony 7440-36-0 Total 4.7 15 ug/L EPA 200.7 6 Months

Arsenic 7440-38-2 Dissolved 3.1 10 ug/L EPA 200.7 6 Months

Barium 7440-39-3 Dissolved 0.63 2 ug/L EPA 200.7 6 Months

Total 0.63 2 ug/L EPA 200.7 6 Months

Beryllium 7440-41-7 Total 0.31 1 ug/L EPA 200.7 6 Months

Boron 7440-42-8 Total 6.3 20 ug/L EPA 200.7 6 Months

Cadmium 7440-43-9 Dissolved 0.63 2 ug/L EPA 200.7 6 Months

Total 4.7 15 ug/L EPA 200.7 6 Months

Calcium 7440-70-2 Total 6.3 20 ug/L EPA 200.7 6 Months

Chromium 7440-47-3 Dissolved 3.1 10 ug/L EPA 200.7 6 Months

Total 3.1 10 ug/L EPA 200.7 6 Months

Cobalt 7440-48-4 Total 3.1 10 ug/L EPA 200.7 6 Months

Copper 7440-50-8 Dissolved 3.1 10 ug/L EPA 200.7 6 Months

Total 3.1 10 ug/L EPA 200.7 6 Months

Iron 7439-89-6 Dissolved 6.3 20 ug/L EPA 200.7 6 Months

Total 6.3 20 ug/L EPA 200.7 6 Months

Lead 7439-92-1 Total 3.1 10 ug/L EPA 200.7 6 Months

**Metals** **Water**

Lithium 7439-93-2 Total 1.6 5 ug/L EPA 200.7 6 Months

Magnesium 7439-95-4 Total 30 95 ug/L EPA 200.7 6 Months

Manganese 7439-96-5 Dissolved 0.63 2 ug/L EPA 200.7 6 Months

Total 0.63 2 ug/L EPA 200.7 6 Months

Molybdenum 7439-98-7 Total 3.1 10 ug/L EPA 200.7 6 Months

Nickel 7440-02-0 Dissolved 1.6 5 ug/L EPA 200.7 6 Months

Total 1.6 5 ug/L EPA 200.7 6 Months

Potassium 7440-09-7 Total 31 100 ug/L EPA 200.7 6 Months

Silica (Reactive) [[14]](#footnote-14) 7631-86-9 Dissolved 3.1 10 ug/L EPA 200.7 6 Months

Total 9.4 30 ug/L EPA 200.7 6 Months

Silicon 7440-21-3 Dissolved 9.4 30 ug/L EPA 200.7 6 Months

Total 9.4 30 ug/L EPA 200.7 6 Months

Silver 7440-22-4 Total 2.2 7 ug/L EPA 200.7 6 Months

Sodium 7440-23-5 Total 31 100 ug/L EPA 200.7 6 Months

Strontium 7440-24-6 Total 0.63 2 ug/L EPA 200.7 6 Months

Thallium 7440-28-0 Total 3.1 10 ug/L EPA 200.7 6 Months

Tin 7440-31-5 Total 25 80 ug/L EPA 200.7 6 Months

Vanadium 7440-62-2 Total 7.5 24 ug/L EPA 200.7 6 Months

Zinc 7440-66-6 Dissolved 1.9 6 ug/L EPA 200.7 6 Months

Total 1.9 6 ug/L EPA 200.7 6 Months

Aluminum 7429-90-5 Dissolved 1.3 4 ug/L EPA 200.8 6 Months

Total 3.1 10 ug/L EPA 200.8 6 Months

Antimony 7440-36-0 Dissolved 0.31 1 ug/L EPA 200.8 6 Months

Total 0.31 1 ug/L EPA 200.8 6 Months

Arsenic 7440-38-2 Dissolved 0.63 2 ug/L EPA 200.8 6 Months

Total 0.63 2 ug/L EPA 200.8 6 Months

Barium 7440-39-3 Dissolved 0.63 2 ug/L EPA 200.8 6 Months

Total 0.63 2 ug/L EPA 200.8 6 Months

Beryllium 7440-41-7 Total 0.31 1 ug/L EPA 200.8 6 Months

Boron 7440-42-8 Total 1.6 5 ug/L EPA 200.8 6 Months

Cadmium 7440-43-9 Dissolved 0.31 1 ug/L EPA 200.8 6 Months

Total 0.31 1 ug/L EPA 200.8 6 Months

Calcium 7440-70-2 Total 13 40 ug/L EPA 200.8 6 Months

Chromium 7440-47-3 Dissolved 0.94 3 ug/L EPA 200.8 6 Months

Total 0.94 3 ug/L EPA 200.8 6 Months

Chromium, Trivalent 16065-83-1 Dissolved 0.94 3 ug/L EPA 200.8 6 Months

Total 0.94 3 ug/L EPA 200.8 6 Months

Cobalt 7440-48-4 Total 0.16 0.5 ug/L EPA 200.8 6 Months

Copper 7440-50-8 Dissolved 0.63 2 ug/L EPA 200.8 6 Months

Total 0.63 2 ug/L EPA 200.8 6 Months

Iron 7439-89-6 Total 0.0031 0.01 ug/L EPA 200.8 6 Months

Lead 7439-92-1 Dissolved 0.63 2 ug/L EPA 200.8 6 Months

Total 0.63 2 ug/L EPA 200.8 6 Months

Magnesium 7439-95-4 Total 63 200 ug/L EPA 200.8 6 Months

Manganese 7439-96-5 Dissolved 0.16 0.5 ug/L EPA 200.8 6 Months

Total 0.16 0.5 ug/L EPA 200.8 6 Months

Molybdenum 7439-98-7 Total 0.31 1 ug/L EPA 200.8 6 Months

Nickel 7440-02-0 Dissolved 0.31 1 ug/L EPA 200.8 6 Months

Total 0.47 1.5 ug/L EPA 200.8 6 Months

Selenium 7782-49-2 Dissolved 1.3 4 ug/L EPA 200.8 6 Months

Total 1.3 4 ug/L EPA 200.8 6 Months

Silver 7440-22-4 Dissolved 0.094 0.3 ug/L EPA 200.8 6 Months

Total 0.094 0.3 ug/L EPA 200.8 6 Months

Strontium 7440-24-6 Total 0.31 1 ug/L EPA 200.8 6 Months

Thallium 7440-28-0 Dissolved 0.31 1 ug/L EPA 200.8 6 Months

Total 0.31 1 ug/L EPA 200.8 6 Months

Vanadium 7440-62-2 Total 0.63 2 ug/L EPA 200.8 6 Months

Zinc 7440-66-6 Dissolved 1.6 5 ug/L EPA 200.8 6 Months

Total 1.6 5 ug/L EPA 200.8 6 Months

Arsenic 7440-38-2 Dissolved 57 180 ug/L EPA 200.9 6 Months

Total 0.79 2.5 ug/L EPA 200.9 6 Months

**Metals** **Water**

Copper 7440-50-8 Dissolved 0.63 2 ug/L EPA 200.9 6 Months

Total 0.63 2 ug/L EPA 200.9 6 Months

Lead 7439-92-1 Dissolved 0.69 2.2 ug/L EPA 200.9 6 Months

Total 0.69 2.2 ug/L EPA 200.9 6 Months

Nickel 7440-02-0 Total 1.6 5 ug/L EPA 200.9 6 Months

Selenium 7782-49-2 Dissolved 0.63 2 ug/L EPA 200.9 6 Months

Total 0.63 2 ug/L EPA 200.9 6 Months

Thallium 7440-28-0 Total 0.79 2.5 ug/L EPA 200.9 6 Months

Antimony 7440-36-0 Total 3 9.5 ug/L EPA 204.2 6 Months

Arsenic 7440-38-2 Total 1 3.2 ug/L EPA 206.2 6 Months

Total 0.63 2 ug/L EPA 206.3 6 Months

Barium 7440-39-3 Total 31 100 ug/L EPA 208.1 6 Months

Cadmium 7440-43-9 Total 0.1 0.32 ug/L EPA 213.2 6 Months

Calcium (as CaCO3) 471-34-1 Total 0.31 1 mg/L EPA 215.2 6 Months

Chromium 7440-47-3 Total 0.94 3 ug/L EPA 218.2 6 Months

Chromium, Hexavalent [[15]](#footnote-15) 18540-29-9 Total 3.1 10 ug/L EPA 218.4 24 Hours

Total 0.31 1 ug/L EPA 218.6 24 Hours

Copper 7440-50-8 Total 1 3.2 ug/L EPA 220.2 6 Months

Iron 7439-89-6 Total 38 120 ug/L EPA 236.1 6 Months

Lead 7439-92-1 Total 1 3.2 ug/L EPA 239.2 6 Months

Mercury 7439-97-6 Total 0.063 0.2 ug/L EPA 245.1 28 Days

Total 0.063 0.2 ug/L EPA 245.2 28 Days

Total 0.063 0.2 ug/L EPA 245.5 28 Days

Nickel 7440-02-0 Total 1.6 5 ug/L EPA 249.1 6 Months

Total 1 3.2 ug/L EPA 249.2 6 Months

Selenium 7782-49-2 Total 2 6.4 ug/L EPA 270.2 6 Months

Thallium 7440-28-0 Total 0.16 0.5 ug/L EPA 279.2 6 Months

Titanium 7440-32-6 Total 10 32 ug/L EPA 283.2 6 Months

Zinc 7440-66-6 Total 6.3 20 ug/L EPA 289.1 6 Months

Silica (Reactive) 14 7631-86-9 Dissolved 1.9 6 mg/L EPA 370.1 28 Days

Silver 7440-22-4 Total 3.1 10 ug/L SM3110B 6 Months

Potassium 7440-09-7 Total 9.4 30 ug/L SM3111B 6 Months

Mercury 7439-97-6 Total 0.063 0.2 ug/L SM3112B 28 Days

Calcium 7440-70-2 Dissolved 6.3 20 ug/L SM3120B 6 Months

Iron 7439-89-6 Dissolved 0.0031 0.01 ug/L SM3120B 6 Months

Total 0.0031 0.01 ug/L SM3120B 6 Months

Manganese 7439-96-5 Dissolved 13 40 ug/L SM3120B 6 Months

Sodium 7440-23-5 Dissolved 9.4 30 ug/L SM3120B 6 Months

Calcium (as CaCO3) 471-34-1 Total 0.63 2 mg/L SM3500Ca-B 6 Months

Calcium 7440-70-2 Total 630 2000 ug/L SM3500Ca-D 6 Months

Calcium (as CaCO3) 471-34-1 Total 0.63 2 mg/L SM3500Ca-D 6 Months

Chromium 7440-47-3 Total 3.1 10 ug/L SM3500Cr-D 6 Months

Chromium, Hexavalent 15 18540-29-9 Total 3.1 10 ug/L SM3500Cr-D 24 Hours

Iron 7439-89-6 Total 31 100 ug/L SM3500Fe-B 6 Months

Potassium 7440-09-7 Total 0.97 3.1 mg/L SM3500-KD 6 Months

Magnesium Carbonate 13717-00-5 Total 0.13 0.4 mg/L SM3500-MgE 6 Months

Manganese 7439-96-5 Total 0.016 0.05 mg/L SM3500-MnB 6 Months

Sodium 7440-23-5 Total 97 310 ug/L SM3500-NaD 6 Months

Silica (Reactive) 13 7631-86-9 Total 1.6 5 mg/L SM4500-SiC 28 Days

Total 1.9 6 mg/L SM4500-SiD 28 Days

Cadmium 7440-43-9 Total 4.7 15 ug/L SW846 6010 6 Months

Magnesium Carbonate 13717-00-5 Total 220 700 ug/L SW846 6010 6 Months

Nickel 7440-02-0 Total 79 250 ug/L SW846 6010 6 Months

Potassium 7440-09-7 Total 63 200 ug/L SW846 6010 6 Months

Sodium 7440-23-5 Total 31 100 ug/L SW846 6010 6 Months

Zinc 7440-66-6 Dissolved 3.1 10 ug/L SW846 6010 6 Months

Total 3.1 10 ug/L SW846 6010 6 Months

Cadmium 7440-43-9 Total 4.7 15 ug/L SW846 7131A 6 Months

Chromium 7440-47-3 Total 6.3 20 ug/L SW846 7191 6 Months

Copper 7440-50-8 Dissolved 6.3 20 ug/L SW846 7211 6 Months

Total 6.3 20 ug/L SW846 7211 6 Months

**Metals** **Water**

Cobalt 7440-48-4 Total 6.3 20 ug/L SW846 7421 6 Months

Nickel 7440-02-0 Total 1.6 5 ug/L SW846 7521 6 Months

**Nutrients** [[16]](#footnote-16) **Water**

COD E-101174 Total 1.6 5 mg/L ASTM D1252-00 (B) 28 Days

TKN E-102644 Total 0.0094 0.03 mg/L ASTM D3590-02 (A) 28 Days

Nitrogen, Nitrate 14797-55-8 Dissolved 0.0031 0.01 mg/L EPA 300.0 28 Days

Nitrogen, Nitrite 14797-65-0 Dissolved 0.0031 0.01 mg/L EPA 300.0 28 Days

Phosphorus, ortho 14265-44-2 Dissolved 0.0031 0.01 mg/L EPA 300.0 48 Hours

Nitrogen, Ammonia 7664-41-7 Dissolved 0.0031 0.01 mg/L EPA 350.1 28 Days

Total 0.0031 0.01 mg/L EPA 350.1 28 Days

Total 0.0094 0.03 mg/L EPA 350.3 28 Days

TKN E-102644 Total 0.031 0.1 mg/L EPA 351.2 28 Days

Total 0.0094 0.03 mg/L EPA 351.4 28 Days

Nitrogen, Nitrate 14797-55-8 Total 0.31 1 mg/L EPA 352.1 48 Hours

Nitrogen, Nitrate+Nitrite E-101284 Total 0.0031 0.01 mg/L EPA 353.1 28 Days

Nitrogen, Nitrate 14797-55-8 Total 0.0094 0.03 mg/L EPA 353.2 48 Hours

Nitrogen, Nitrate+Nitrite E-101284 Dissolved 0.016 0.05 mg/L EPA 353.2 28 Days

Total 0.016 0.05 mg/L EPA 353.2 28 Days

Nitrogen, Nitrite 14797-65-0 Total 0.0094 0.03 mg/L EPA 353.2 48 Hours

Total 0.0031 0.01 mg/L EPA 354.1 48 Hours

Phosphorus, ortho 14265-44-2 Dissolved 0.0031 0.01 mg/L EPA 365.1 4 Days

Phosphorus, Total 7723-14-0 Total 0.0031 0.01 mg/L EPA 365.1 28 Days

Phosphorus, ortho 14265-44-2 Total 0.0031 0.01 mg/L EPA 365.2 48 Hours

Phosphorus, Total 7723-14-0 Total 0.0031 0.01 mg/L EPA 365.2 28 Days

CBOD5 E-10106C5 4, [[17]](#footnote-17) Total 0.63 2 mg/L EPA 405.1 48 Hours

TBOD5 E-10106T5 4, 17 Total 0.63 2 mg/L EPA 405.1 48 Hours

COD E-10117 4 Total 16 50 mg/L EPA 410.1 28 Days

Total 1.6 5 mg/L EPA 410.2 28 Days

Total 0.94 3 mg/L EPA 410.4 28 Days

TOC E-10195 4 Total 0.31 1 mg/L EPA 415.1 28 Days

Total 0.016 0.05 mg/L EPA 415.2 28 Days

DOC E-DOC 4 Dissolved 0.16 0.5 mg/L EPA 415.3 28 Days

TOC E-10195 4 Total 0.16 0.5 mg/L EPA 415.3 28 Days

COD E-10117 4 Total 1.6 5 mg/L HACH8328 28 Days

TKN E-10264 4 Total 0.0094 0.03 mg/L SM4500N(Org)-B 28 Days

Total 0.0094 0.03 mg/L SM4500N(Org)-D 28 Days

Nitrogen, Ammonia 7664-41-7 Total 0.0031 0.01 mg/L SM4500NH3-D 28 Days

Total 0.0031 0.01 mg/L SM4500NH3-F 28 Days

Total 0.0031 0.01 mg/L SM4500NH3-G 28 Days

Nitrogen, Nitrite 14797-65-0 Total 0.0094 0.03 mg/L SM4500NO2-B 48 Hours

Nitrogen, Nitrate 14797-55-8 Total 0.0094 0.03 mg/L SM4500NO3-D 28 Days

Total 0.0094 0.03 mg/L SM4500NO3-E 48 Hours

Total 0.47 1.5 mg/L SM4500NO3-F 48 Hours

Nitrogen, Nitrate+Nitrite E-10128 4 Total 0.16 0.5 mg/L SM4500NO3-F 28 Days

Nitrogen, Nitrite 14797-65-0 Total 0.47 1.5 mg/L SM4500NO3-F 48 Hours

Nitrogen, Nitrate+Nitrite E-10128 4 Total 0.0031 0.01 mg/L SM4500NO3-H 28 Days

Phosphorus, Total 7723-14-0 Total 0.0094 0.03 mg/L SM4500P-E 28 Days

Dissolved 0.0031 0.01 mg/L SM4500P-F 28 Days

Total 0 0 mg/L SM4500P-F 28 Days

Nitrogen, Total E-52450988 4 Total 0.031 0.1 mg/L SM4500P-J 28 Days

CBOD5 E-10106C5 4, 17 Total 0.63 2 mg/L SM5210B 48 Hours

TBOD5 E-10106T5 4, 17 Total 0.63 2 mg/L SM5210B 48 Hours

CBOD-LR E-10106CU 4, 17 Total 0.63 2 mg/L SM5210C 48 Hours

UBOD E-10106TU 4, 17 Total 0.63 2 mg/L SM5210C 48 Hours

COD E-10117 4 Total 16 50 mg/L SM5220B 28 Days

Total 0.94 3 mg/L SM5220C 28 Days

Total 0.94 3 mg/L SM5220D 28 Days

TOC E-10195 4 Total 0.31 1 mg/L SM5310 28 Days

**Nutrients** **Water**

DOC E-DOC 4 Dissolved 0.31 1 mg/L SM5310B 28 Days

TOC E-10195 4 Total 0.31 1 mg/L SM5310B 28 Days

DOC E-DOC 4 Dissolved 0.31 1 mg/L SM5310C 28 Days

TOC E-10195 4 Total 0.31 1 mg/L SM5310C 28 Days

TOX 59473-04-0 Total 0.016 0.05 mg/L SW846 9020 28 Days

Total 0.016 0.05 mg/L SW846 9022 28 Days

TOC E-10195 4 Total 0.31 1 mg/L SW846 9060 28 Days

**PCBs [[18]](#footnote-18)** **Water**

2,2',3,3’,4,4',5 heptaCB 35065-30-6 Total 19 60 pg/L EPA 1668 7 Days

2,2',3,4,4',5,5' heptaCB 35065-29-3 Total 19 60 pg/L EPA 1668 7 Days

2,3,3',4,4' pentaCB 32598-14-4 Total 130 400 pg/L EPA 1668 7 Days

2,3,3',4,4',5 hexaCB 38380-08-4 Total 19 60 pg/L EPA 1668 7 Days

2,3,3',4,4',5' hexaCB 69782-90-7 Total 19 60 pg/L EPA 1668 7 Days

2,3,3',4,4',5,5' heptaCB 39635-31-9 Total 19 60 pg/L EPA 1668 7 Days

2',3,4,4',5 pentaCB 65510-44-3 Total 13 40 pg/L EPA 1668 7 Days

2,3',4,4',5 pentaCB 31508-00-6 Total 19 60 pg/L EPA 1668 7 Days

2,3',4,4',5,5' hexaCB 52663-72-6 Total 19 60 pg/L EPA 1668 7 Days

3,3',4,4' tetraCB 32598-13-3 Total 1.6 5 pg/L EPA 1668 7 Days

3,3',4,4',5 pentaCB 57465-28-8 Total 13 40 pg/L EPA 1668 7 Days

3,3',4,4',5,5' hexaCB 32774-16-6 Total 19 60 pg/L EPA 1668 7 Days

Aroclor-1016 12674-11-2 Total 0.16 0.5 ug/L EPA 1668 7 Days

Aroclor-1221 11104-28-2 Total 0.16 0.5 ug/L EPA 1668 7 Days

Aroclor-1232 11141-16-5 Total 0.16 0.5 ug/L EPA 1668 7 Days

Aroclor-1242 53469-21-9 Total 0.16 0.5 ug/L EPA 1668 7 Days

Aroclor-1248 12672-29-6 Total 0.16 0.5 ug/L EPA 1668 7 Days

Aroclor-1254 11097-69-1 Total 0.31 1 ug/L EPA 1668 7 Days

Aroclor-1260 11096-82-5 Total 0.31 1 ug/L EPA 1668 7 Days

PeCB, 2,3,4,4',5- 74472-37-0 Total 190 600 pg/L EPA 1668 7 Days

Aroclor-1016 12674-11-2 Total 0.079 0.25 ug/L EPA 505 14 Days

Aroclor-1221 11104-28-2 Total 15 48 ug/L EPA 505 14 Days

Aroclor-1232 11141-16-5 Total 0.47 1.5 ug/L EPA 505 14 Days

Aroclor-1242 53469-21-9 Total 0.31 1 ug/L EPA 505 14 Days

Aroclor-1248 12672-29-6 Total 0.13 0.4 ug/L EPA 505 14 Days

Aroclor-1254 11097-69-1 Total 0.13 0.4 ug/L EPA 505 14 Days

**PCBs** **Water**

Aroclor-1260 11096-82-5 Total 0.19 0.6 ug/L EPA 505 14 Days

2,3-Dichlorobiphenyl 16605-91-7 Total 0.16 0.5 ug/L EPA 525.2 14 Days

2,4,5-Trichlorobiphenyl 15862-07-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dichlorobiphenyl 2050-68-2 Total 0.31 1 %Recov EPA 525.2 14 Days

PCB 154 60145-22-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

PCB 171 52663-71-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

PCB 200 40186-71-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

PCB 47 2437-79-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

PCB 98 60233-25-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Aroclor-1016 12674-11-2 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1221 11104-28-2 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1232 11141-16-5 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1242 53469-21-9 Total 0.066 0.21 ug/L EPA 608 7 Days

Aroclor-1248 12672-29-6 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1254 11097-69-1 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1260 11096-82-5 Total 0.16 0.5 ug/L EPA 608 7 Days

Aroclor-1262 37324-23-5 Total 0.16 0.5 ug/L EPA 608 7 Days

Decachlorobiphenyl (surr.) 2051-24-3 Total ug/L EPA 608 7 Days

Total 0.31 1 %Recov SW846 8081 7 Days

Aroclor-1016 12674-11-2 Total 0.16 0.5 ug/L SW846 8082 7 Days

Aroclor-1221 11104-28-2 Total 0.16 0.5 ug/L SW846 8082 7 Days

Aroclor-1232 11141-16-5 Total 0.16 0.5 ug/L SW846 8082 7 Days

Aroclor-1242 53469-21-9 Total 0.16 0.5 ug/L SW846 8082 7 Days

Aroclor-1248 12672-29-6 Total 0.16 0.5 ug/L SW846 8082 7 Days

**PCBs** **Water**

Aroclor-1254 11097-69-1 Total 0.31 1 ug/L SW846 8082 7 Days

Aroclor-1260 11096-82-5 Total 0.31 1 ug/L SW846 8082 7 Days

**Pesticides [[19]](#footnote-19)** **Water**

2,4,5-T 93-76-5 Total 0.16 0.5 ug/L EHL-L131 [[20]](#footnote-20) 7 Days

2,4-D 94-75-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

2,4-DB 94-82-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

3,4-Dichlorophenol 95-77-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

3,5-Dichlorobenzoic Acid 51-36-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

3-Hydroxy Carbofuran 16655-82-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Acifluorfen 50594-66-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Aldicarb 116-06-3 Total 0.31 1 ug/L EHL-L131 7 Days

Baygon 114-26-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

Bensulide 741-58-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

Bentazon 25057-89-0 Total 0.16 0.5 ug/L EHL-L131 7 Days

Bromacil 314-40-9 Total 0.16 0.5 ug/L EHL-L131 7 Days

Carbaryl 63-25-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

Chloramben 133-90-4 Total 0.31 1 ug/L EHL-L131 7 Days

Chlorotoluron 15545-48-9 Total 0.16 0.5 ug/L EHL-L131 7 Days

DCPA 1861-32-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

Dicamba 1918-00-9 Total 0.31 1 ug/L EHL-L131 7 Days

Dichlone 117-80-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Dichloroprop 120-36-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

Dinoseb 88-85-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

Diuron 330-54-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

Ethofumesate 26225-79-6 Total 0.63 2 ug/L EHL-L131 7 Days

Fenamiphos 22224-92-6 Total 0.63 2 ug/L EHL-L131 7 Days

Fenuron 101-42-8 Total 0.63 2 ug/L EHL-L131 7 Days

Fluometuron 2164-17-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

Imazaquin\* 81335-37-7 Total 0.63 2 ug/L EHL-L131 7 Days

Imazethapyr\* 81335-77-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

Imidacloprid 105827-78-9 Total 1.6 5 ug/L EHL-L131 7 Days

Isazophos 42509-80-8 Total 0.16 0.5 ug/L EHL-L131 7 Days

Isofenphos 25311-71-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

Isoproturon 34123-59-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Isoxaben 82558-50-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

Linuron 330-55-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

MCPA 94-74-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

MCPP 7085-19-0 Total 0.16 0.5 ug/L EHL-L131 7 Days

Mecoprop (Anicon B) 93-65-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

Merphos 150-50-5 Total 1.6 5 ug/L EHL-L131 7 Days

Metalaxyl 57837-19-1 Total 1.6 5 ug/L EHL-L131 7 Days

Methiocarb 2032-65-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

Methomyl 16752-77-5 Total 0.63 2 ug/L EHL-L131 7 Days

Methyl Paraoxon 950-35-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Monuron 150-68-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

Naptalam 132-66-1 Total 1.6 5 ug/L EHL-L131 7 Days

Oryzalin 19044-88-3 Total 0.16 0.5 ug/L EHL-L131 7 Days

Oxamyl 23135-22-0 Total 0.63 2 ug/L EHL-L131 7 Days

Picloram 1918-02-1 Total 0.31 1 ug/L EHL-L131 7 Days

Propham 122-42-9 Total 0.16 0.5 ug/L EHL-L131 7 Days

Ronnel 299-84-3 Total 0.16 0.5 ug/L EHL-L131 7 Days

Siduron 1982-49-6 Total 0.63 2 ug/L EHL-L131 7 Days

Sulfometuron Methyl 74222-97-2 Total 0.63 2 ug/L EHL-L131 7 Days

Tebuthiuron 34014-18-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

Terbuthylazine 30125-63-4 Total 0.16 0.5 ug/L EHL-L131 7 Days

Tetradifon 116-29-0 Total 1.6 5 ug/L EHL-L131 7 Days

Thifensulfuron Methyl 79277-27-3 Total 0.63 2 ug/L EHL-L131 7 Days

Thiophanate Methyl 23564-05-8 Total 0.63 2 ug/L EHL-L131 7 Days

Thiram 137-26-8 Total 0.63 2 ug/L EHL-L131 7 Days

Triallate 2303-17-5 Total 0.63 2 ug/L EHL-L131 7 Days

**Pesticides** **Water**

Triclopyr 55335-06-3 Total 1.6 5 ug/L EHL-L131 7 Days

Alachlor 15972-60-8 Total 0.22 0.71 ug/L EPA 505 14 Days

Aldrin 309-00-2 Total 0.0063 0.02 ug/L EPA 505 14 Days

Atrazine (Aatrex) 1912-24-9 Total 2.5 8 ug/L EPA 505 14 Days

Chlordane, Alpha- 5103-71-9 Total 0.0063 0.02 ug/L EPA 505 14 Days

Chlordane, Gamma- 5103-74-2 Total 0.013 0.04 ug/L EPA 505 14 Days

Chlordane, Total 57-74-9 Total 0.14 0.44 ug/L EPA 505 14 Days

Dieldrin 60-57-1 Total 0.013 0.04 ug/L EPA 505 14 Days

Endrin 72-20-8 Total 0.063 0.2 ug/L EPA 505 14 Days

Heptachlor 76-44-8 Total 0.0031 0.01 ug/L EPA 505 14 Days

Heptachlor Epoxide 1024-57-3 Total 0.0063 0.02 ug/L EPA 505 14 Days

Lindane 58-89-9 Total 0.0031 0.01 ug/L EPA 505 14 Days

Methoxychlor 72-43-5 Total 0.94 3 ug/L EPA 505 14 Days

Nonachlor, cis- 5103-73-1 Total 0.028 0.09 ug/L EPA 505 14 Days

Simazine 122-34-9 Total 6.8 21.6 ug/L EPA 505 14 Days

Toxaphene 8001-35-2 Total 1 3.18 ug/L EPA 505 14 Days

trans-Nonachlor 39765-80-5 Total 0.0094 0.03 ug/L EPA 505 14 Days

1,3-Dimethyl-2-Nitrobenzene (Surrogate) 81-20-9 Total 0.31 1 %Recov EPA 525.2 14 Days

2-Chlorobiphenyl 2051-60-7 Total 0.16 0.5 ug/L EPA 525.2 14 Days

4,4'-DDD 72-54-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

4,4'-DDE 72-55-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

4,4'-DDT 50-29-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Acetochlor 34256-82-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Alachlor 15972-60-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Aldrin 309-00-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Alpha-BHC 319-84-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Ametryn 834-12-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Aspon 3244-90-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Atraton 1610-17-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Atrazine (Aatrex) 1912-24-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Azinphos-ethyl 2642-71-9 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Azinphos-methyl 86-50-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Bendiocarb 22781-23-3 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Benfluralin 1861-40-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Beta-BHC 319-85-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Bolstar 35400-43-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Bromacil 314-40-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Butachlor 23184-66-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Butylate (Sutan Plus) 2008-41-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Carbophenothion 786-19-6 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Carboxin 5234-68-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlordane, Alpha- 5103-71-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlordane, Gamma- 5103-74-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlorfenvinphos 470-90-6 Total 1.6 5 ug/L EPA 525.2 14 Days

Chlorobenzilate 510-15-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chloroneb 2675-77-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chloropropylate 5836-10-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlorothalonil (Bravo) 1897-45-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlorpropham 101-21-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlorpyrifos 2921-88-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chlorpyrifos Methyl 5598-13-0 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Clomazone 81777-89-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Clopyralid 1702-17-6 Total 3.1 10 ug/L EPA 525.2 14 Days

Coumaphos 56-72-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Crotoxyphos 7700-17-6 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Cyanazine (Bladex) 21725-46-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Cycloate 1134-23-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

DCPA 1861-32-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Delta-BHC 319-86-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Demeton 8065-48-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Demeton-O 298-03-3 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Desethylatrazine 6190-65-4 Total 0.31 1 ug/L EPA 525.2 14 Days

**Pesticides** **Water**

Desisopropylatrazine 1007-28-9 Total 0.31 1 ug/L EPA 525.2 14 Days

Di(2-ethylhexyl) adipate 103-23-1 Total 0.31 1 ug/L EPA 525.2 14 Days

Diazinon 333-41-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dichlobenil 1194-65-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dichlofenthion 97-17-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dichloran 99-30-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dichlorvos 62-73-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dieldrin 60-57-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dioxathion 78-34-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Diphenamid 957-51-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Disulfoton Sulfone 2497-06-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Disulfoton Sulfoxide 2497-07-6 Total 3.1 10 ug/L EPA 525.2 14 Days

Dyfonate 944-22-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Endosulfan I 959-98-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Endosulfan II 33213-65-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Endosulfan Sulfate 1031-07-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Endrin 72-20-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Endrin Aldehyde 7421-93-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

EPTC 759-94-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Esfenvalerate 66230-04-4 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Ethalfluralin 55283-68-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Ethion 563-12-2 Total 1.6 5 ug/L EPA 525.2 14 Days

Ethofumesate 26225-79-6 Total 0.63 2 ug/L EPA 525.2 14 Days

Ethoprop 13194-48-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Etridiazole 2593-15-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fenamiphos 22224-92-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fenarimol 60168-88-9 Total 0.31 1 ug/L EPA 525.2 14 Days

Fenitrothion 122-14-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Fenoxaprop-ethyl 66441-23-4 Total 0.31 1 ug/L EPA 525.2 14 Days

Fenthion 55-38-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fluazifop-butyl 69806-50-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fluometuron 2164-17-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fluridone 59756-60-4 Total 0.31 1 ug/L EPA 525.2 14 Days

Heptachlor 76-44-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Heptachlor Epoxide 1024-57-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Hexazinone 51235-04-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Iprodione 36734-19-7 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Isofenphos 25311-71-1 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Leptophos 21609-90-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Lindane 58-89-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Malathion 121-75-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Merphos 150-50-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Metalaxyl 57837-19-1 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Methoxychlor 72-43-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Methyl Paraoxon 950-35-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Metolachlor 51218-45-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Metribuzin 21087-64-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Metsulfuron-methyl 74223-64-6 Total 3.1 10 ug/L EPA 525.2 14 Days

MGK 264, isomers a & b 113-48-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

MGK 326 136-45-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Molinate 2212-67-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Monocrotophos 6923-22-4 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Naled 300-76-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Napropamide 15299-99-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Nonachlor, cis- 5103-73-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Norflurazon 27314-13-2 Total 0.31 1 ug/L EPA 525.2 14 Days

Oryzalin 19044-88-3 Total 0.31 1 ug/L EPA 525.2 14 Days

Oxadiazon 19666-30-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Oxychlordane 27304-13-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Oxyfluorfen 42874-03-3 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Parathion 56-38-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Pebulate 1114-71-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Pendimethalin 40487-42-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Permethrin, cis 61949-76-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

**Pesticides** **Water**

Permethrin, trans 51877-74-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Profluralin 26399-36-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Prometon 1610-18-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Prometryn 7287-19-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Propachlor 1918-16-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Propanil 709-98-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Propazine 139-40-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Propiconazole isomer a 60207-90-1a Total 1.6 5 ug/L EPA 525.2 14 Days

Propiconazole isomer b 60207-90-1b Total 1.6 5 ug/L EPA 525.2 14 Days

Prothiofos 34643-46-4 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Simazine 122-34-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Simetryn 1014-70-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Stirofos 22248-79-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Sulfotep 3689-24-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Tebuthiuron 34014-18-1 Total 3.1 10 ug/L EPA 525.2 14 Days

Terbacil 5902-51-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Terbufos 13071-79-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Terbutryn 886-50-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Thiabendazole 148-79-8 Total 3.1 10 ug/L EPA 525.2 14 Days

Thiobencarb 28249-77-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Thionazin 297-97-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Toxaphene 8001-35-2 Total 3.1 10 ug/L EPA 525.2 14 Days

trans-Nonachlor 39765-80-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Triadimefon 43121-43-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Tribufos 78-48-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Trichlorfon 52-68-6 Total 3.1 10 ug/L EPA 525.2 14 Days

Trichloronate 327-98-0 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Tricyclazole 41814-78-2 Total 0.31 1 ug/L EPA 525.2 14 Days

Triphenyl Phosphate 115-86-6 Total 0.31 1 %Recov EPA 525.2 14 Days

Vernolate 1929-77-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Vinclozolin 50471-44-8 Total 0.16 0.5 ug/L EPA 525.2 14 Days

1,3-Dimethyl-2-Nitrobenzene (Surrogate) 81-20-9 Total 0.31 1 %Recov EPA 525.3 14 Days

4,4'-DDT 50-29-3 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Acetochlor 34256-82-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Alachlor 15972-60-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Aldrin 309-00-2 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Atrazine (Aatrex) 1912-24-9 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Chlordane, Alpha- 5103-71-9 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Chlordane, Gamma- 5103-74-2 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Chlorpyrifos 2921-88-2 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Clomazone 81777-89-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Cyanazine (Bladex) 21725-46-2 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Desethylatrazine 6190-65-4 Total 0.31 1 ug/L EPA 525.3 14 Days

Desisopropylatrazine 1007-28-9 Total 0.31 1 ug/L EPA 525.3 14 Days

Di(2-ethylhexyl) adipate 103-23-1 Total 0.31 1 ug/L EPA 525.3 14 Days

Dieldrin 60-57-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Endrin 72-20-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Heptachlor 76-44-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Heptachlor Epoxide 1024-57-3 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Lindane 58-89-9 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Methoxychlor 72-43-5 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Metolachlor 51218-45-2 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Nonachlor, cis- 5103-73-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Oxychlordane 27304-13-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Pendimethalin 40487-42-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Propachlor 1918-16-7 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Simazine 122-34-9 Total 0.031 0.1 ug/L EPA 525.3 14 Days

trans-Nonachlor 39765-80-5 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Triphenyl Phosphate 115-86-6 Total 0.31 1 %Recov EPA 525.3 14 Days

2-Hydroxyatrazine 2163-68-0 Total 3.1 10 ng/L EPA 540 28 Days

Acetamiprid 135410-20-7 Total 3.1 10 ng/L EPA 540 28 Days

Atrazine (Aatrex) 1912-24-9 Total 3.1 10 ng/L EPA 540 28 Days

Chlorpyrifos 2921-88-2 Total 3.1 10 ng/L EPA 540 7 Days

Clothianidin 210880-92-5 Total 3.1 10 ng/L EPA 540 28 Days

Deisopropylatrazine 1007-28-9 Total 3.1 10 ng/L EPA 540 28 Days

Desethylatrazine 6190-65-4 Total 3.1 10 ng/L EPA 540 28 Days

Fipronil 120068-37-3 Total 3.1 10 ng/L EPA 540 28 Days

Imidacloprid 138261-41-3 Total 3.1 10 ng/L EPA 540 28 Days

Simazine 122-34-9 Total 3.1 10 ng/L EPA 540 28 Days

Thiacloprid 111988-49-9 Total 3.1 10 ng/L EPA 540 28 Days

Thiamethoxam 153719-23-4 Total 3.1 10 ng/L EPA 540 28 Days

AMPA 1066-51-9 Total 1.9 6 ug/L EPA 547 14 Days

Glyphosate 1071-83-6 Total 1.9 6 ug/L EPA 547 14 Days

2,4'-DDT 789-02-6 Total 0.031 0.1 ug/L EPA 608 7 Days

4,4'-DDD 72-54-8 Total 0.013 0.04 ug/L EPA 608 7 Days

4,4'-DDE 72-55-9 Total 0.0063 0.02 ug/L EPA 608 7 Days

**Pesticides** **Water**

4,4'-DDT 50-29-3 Total 0.013 0.04 ug/L EPA 608 7 Days

Aldrin 309-00-2 Total 0.0031 0.01 ug/L EPA 608 7 Days

Alpha-BHC 319-84-6 Total 0.0031 0.01 ug/L EPA 608 7 Days

Beta-BHC 319-85-7 Total 0.019 0.06 ug/L EPA 608 7 Days

Chlordane, Alpha- 5103-71-9 Total 0.0063 0.02 ug/L EPA 608 7 Days

Chlordane, Gamma- 5103-74-2 Total 0.013 0.04 ug/L EPA 608 7 Days

Chlordane, Total 57-74-9 Total 0.044 0.14 ug/L EPA 608 7 Days

Delta-BHC 319-86-8 Total 0.0094 0.03 ug/L EPA 608 7 Days

Dieldrin 60-57-1 Total 0.0031 0.01 ug/L EPA 608 7 Days

Endosulfan I 959-98-8 Total 0.044 0.14 ug/L EPA 608 7 Days

Endosulfan II 33213-65-9 Total 0.0031 0.01 ug/L EPA 608 7 Days

Endosulfan Sulfate 1031-07-8 Total 0.066 0.21 ug/L EPA 608 7 Days

Endrin 72-20-8 Total 0.0063 0.02 ug/L EPA 608 7 Days

Endrin Aldehyde 7421-93-4 Total 0.022 0.07 ug/L EPA 608 7 Days

Endrin Ketone 53494-70-5 Total 0.063 0.2 ug/L EPA 608 7 Days

Heptachlor 76-44-8 Total 0.0031 0.01 ug/L EPA 608 7 Days

Heptachlor Epoxide 1024-57-3 Total 0.0094 0.03 ug/L EPA 608 7 Days

Lindane 58-89-9 Total 0.0031 0.01 ug/L EPA 608 7 Days

Methoxychlor 72-43-5 Total 0 0 ug/L EPA 608 7 Days

Propachlor 1918-16-7 Total 0.013 0.04 ug/L EPA 608 7 Days

Toxaphene 8001-35-2 Total 0.24 0.76 ug/L EPA 608 7 Days

Azinphos-methyl 86-50-0 Total 31 100 ug/L SW846 8270 7 Days

Carbaryl 63-25-2 Total 3.1 10 ug/L SW846 8270 7 Days

Carbophenothion 786-19-6 Total 3.1 10 ug/L SW846 8270 7 Days

Chlorfenvinphos 470-90-6 Total 6.3 20 ug/L SW846 8270 7 Days

Chlorobenzilate 510-15-6 Total 3.1 10 ug/L SW846 8270 7 Days

Coumaphos 56-72-4 Total 13 40 ug/L SW846 8270 7 Days

Crotoxyphos 7700-17-6 Total 6.3 20 ug/L SW846 8270 7 Days

Demeton-O 298-03-3 Total 3.1 10 ug/L SW846 8270 7 Days

Dichlorvos 62-73-7 Total 3.1 10 ug/L SW846 8270 7 Days

Dinoseb 88-85-7 Total 6.3 20 ug/L SW846 8270 7 Days

Ethion 563-12-2 Total 3.1 10 ug/L SW846 8270 7 Days

Fenthion 55-38-9 Total 3.1 10 ug/L SW846 8270 7 Days

Leptophos 21609-90-5 Total 3.1 10 ug/L SW846 8270 7 Days

Malathion 121-75-5 Total 16 50 ug/L SW846 8270 7 Days

Methoxychlor 72-43-5 Total 3.1 10 ug/L SW846 8270 7 Days

Methyl Paraoxon 950-35-6 Total 3.1 10 ug/L SW846 8270 7 Days

Monocrotophos 6923-22-4 Total 13 40 ug/L SW846 8270 7 Days

Naled 300-76-5 Total 6.3 20 ug/L SW846 8270 7 Days

Parathion 56-38-2 Total 3.1 10 ug/L SW846 8270 7 Days

Terbufos 13071-79-9 Total 6.3 20 ug/L SW846 8270 7 Days

Thionazin 297-97-2 Total 6.3 20 ug/L SW846 8270 7 Days

**Polynuclear Aromatic Hydrocarbons [[21]](#footnote-21)** **Water**

Naphthalene 91-20-3 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1-Methylnaphthalene 90-12-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

2-Methylnaphthalene 91-57-6 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Acenaphthene 83-32-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

**Polynuclear Aromatic Hydrocarbons** **Water**

Acenaphthene-d10 (IS) 15067-26-2 Total 0.31 1 %Recov EPA 525.2 14 Days

Acenaphthylene 208-96-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Anthracene 120-12-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Benzo[a]anthracene 56-55-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Benzo[a]pyrene 50-32-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Benzo[b]fluoranthene 205-99-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Benzo[g,h,i]perylene 191-24-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Benzo[k]fluoranthene 207-08-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chrysene 218-01-9 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dibenzo[a,h]anthracene 53-70-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fluoranthene 206-44-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fluorene 86-73-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Naphthalene 91-20-3 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Phenanthrene 85-01-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Phenanthrene-d10 (IS) 1517-22-2 Total 0.31 1 %Recov EPA 525.2 14 Days

p-Terphenyl-d14 (Surrogate) 1718-51-0 Total 0.31 1 %Recov EPA 525.2 14 Days

Pyrene 129-00-0 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Pyrene-d10 1718-52-1 Total 0.31 1 %Recov EPA 525.2 14 Days

Acenaphthene-d10 (IS) 15067-26-2 Total 0.31 1 %Recov EPA 525.3 14 Days

Benzo[a]pyrene 50-32-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Phenanthrene-d10 (IS) 1517-22-2 Total 0.31 1 %Recov EPA 525.3 14 Days

p-Terphenyl-d14 (Surrogate) 1718-51-0 Total 0.31 1 %Recov EPA 525.3 14 Days

Pyrene-d10 1718-52-1 Total 0.31 1 %Recov EPA 525.3 14 Days

Naphthalene 91-20-3 Total 0.16 0.5 ug/L EPA 624 14 Days

2-Chloronaphthalene 91-58-7 Total 1.9 6 ug/L EPA 625 7 Days

2-Fluorobiphenyl (Surrogate) 321-60-8 Total ug/L EPA 625 7 Days

2-Methylnaphthalene 91-57-6 Total 3.1 10 ug/L EPA 625 7 Days

Acenaphthene 83-32-9 Total 3.1 10 ug/L EPA 625 7 Days

Acenaphthylene 208-96-8 Total 3.1 10 ug/L EPA 625 7 Days

Anthracene 120-12-7 Total 3.1 10 ug/L EPA 625 7 Days

Benzo[a]anthracene 56-55-3 Total 3.1 10 ug/L EPA 625 7 Days

Benzo[a]pyrene 50-32-8 Total 3.1 10 ug/L EPA 625 7 Days

Benzo[b]fluoranthene 205-99-2 Total 3.1 10 ug/L EPA 625 7 Days

Benzo[g,h,i]perylene 191-24-2 Total 3.1 10 ug/L EPA 625 7 Days

Benzo[k]fluoranthene 207-08-9 Total 3.1 10 ug/L EPA 625 7 Days

Chrysene 218-01-9 Total 3.1 10 ug/L EPA 625 7 Days

Dibenzo[a,h]anthracene 53-70-3 Total 3.1 10 ug/L EPA 625 7 Days

Fluoranthene 206-44-0 Total 3.1 10 ug/L EPA 625 7 Days

Fluorene 86-73-7 Total 3.1 10 ug/L EPA 625 7 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 3.1 10 ug/L EPA 625 7 Days

Naphthalene 91-20-3 Total 3.1 10 ug/L EPA 625 7 Days

Nitrobenzene-d5 (Surrogate) 4165-60-0 Total ug/L EPA 625 7 Days

Phenanthrene 85-01-8 Total 3.1 10 ug/L EPA 625 7 Days

Pyrene 129-00-0 Total 3.1 10 ug/L EPA 625 7 Days

Naphthalene 91-20-3 Total ug/L SW846 8260 14 Days

1-Methylnaphthalene 90-12-0 Total ug/L SW846 8270 14 Days

2-Chloronaphthalene 91-58-7 Total 3.1 10 ug/L SW846 8270 7 Days

2-Fluorobiphenyl (Surrogate) 321-60-8 Total 0.31 1 %Recov SW846 8270 7 Days

2-Methylnaphthalene 91-57-6 Total 3.1 10 ug/L SW846 8270 7 Days

5-Nitroacenaphthene 602-87-9 Total 3.1 10 ug/L SW846 8270 7 Days

7,12-Dimethylbenz(a)-anthracene 57-97-6 Total 3.1 10 ug/L SW846 8270 7 Days

Acenaphthene 83-32-9 Total 3.1 10 ug/L SW846 8270 7 Days

Acenaphthene-d10 (IS) 15067-26-2 Total 0.31 1 %Recov SW846 8270 7 Days

Acenaphthylene 208-96-8 Total ug/L SW846 8270 7 Days

Anthracene 120-12-7 Total 3.1 10 ug/L SW846 8270 7 Days

Benzo[a]anthracene 56-55-3 Total 3.1 10 ug/L SW846 8270 7 Days

Benzo[a]pyrene 50-32-8 Total 3.1 10 ug/L SW846 8270 7 Days

Benzo[b]fluoranthene 205-99-2 Total 3.1 10 ug/L SW846 8270 7 Days

Benzo[g,h,i]perylene 191-24-2 Total 3.1 10 ug/L SW846 8270 7 Days

Benzo[k]fluoranthene 207-08-9 Total 3.1 10 ug/L SW846 8270 7 Days

Chrysene 218-01-9 Total 3.1 10 ug/L SW846 8270 7 Days

Dibenzo[a,e]pyrene 192-65-4 Total 3.1 10 ug/L SW846 8270 7 Days

Dibenzo[a,h]anthracene 53-70-3 Total 3.1 10 ug/L SW846 8270 7 Days

**Polynuclear Aromatic Hydrocarbons** **Water**

Fluoranthene 206-44-0 Total 3.1 10 ug/L SW846 8270 7 Days

Fluorene 86-73-7 Total 3.1 10 ug/L SW846 8270 7 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 3.1 10 ug/L SW846 8270 7 Days

Naphthalene 91-20-3 Total 3.1 10 ug/L SW846 8270 7 Days

Nitrobenzene-d5 (Surrogate) 4165-60-0 Total 0.31 1 %Recov SW846 8270 7 Days

Phenanthrene 85-01-8 Total 3.1 10 ug/L SW846 8270 7 Days

Phenanthrene-d10 (IS) 1517-22-2 Total 0.31 1 %Recov SW846 8270 7 Days

Phenol-d6 (Surrogate) 13127-88-3 Total 0.31 1 %Recov SW846 8270 7 Days

p-Terphenyl-d14 (Surrogate) 1718-51-0 Total 0.31 1 %Recov SW846 8270 7 Days

Pyrene 129-00-0 Total 3.1 10 ug/L SW846 8270 7 Days

Acenaphthene 83-32-9 Total 5.7 18 ug/L SW846 8310 7 Days

Acenaphthylene 208-96-8 Total 7.2 23 ug/L SW846 8310 7 Days

Anthracene 120-12-7 Total 2.1 6.6 ug/L SW846 8310 7 Days

Benzo[a]anthracene 56-55-3 Total 0.041 0.13 ug/L SW846 8310 7 Days

Benzo[a]pyrene 50-32-8 Total 0.072 0.23 ug/L SW846 8310 7 Days

Benzo[b]fluoranthene 205-99-2 Total 0.057 0.18 ug/L SW846 8310 7 Days

Benzo[g,h,i]perylene 191-24-2 Total 0.072 0.23 ug/L SW846 8310 7 Days

Benzo[k]fluoranthene 207-08-9 Total 0.053 0.17 ug/L SW846 8310 7 Days

Chrysene 218-01-9 Total 0.47 1.5 ug/L SW846 8310 7 Days

Dibenzo[a,h]anthracene 53-70-3 Total 0.094 0.3 ug/L SW846 8310 7 Days

Fluoranthene 206-44-0 Total 0.66 2.1 ug/L SW846 8310 7 Days

Fluorene 86-73-7 Total 0.66 2.1 ug/L SW846 8310 7 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 0.14 0.43 ug/L SW846 8310 7 Days

Naphthalene 91-20-3 Total 5.7 18 ug/L SW846 8310 7 Days

Phenanthrene 85-01-8 Total 2 6.4 ug/L SW846 8310 7 Days

Pyrene 129-00-0 Total 0.85 2.7 ug/L SW846 8310 7 Days

**Radionuclides [[22]](#footnote-22)** **Water**

Alpha Activity 12587-46-1 Total 0.31 1 pCi/L EPA 900.0 5 Days

Beta Activity 12587-47-2 Total 0.31 1 pCi/L EPA 900.0 5 Days

**Semi-Volatile Organics [[23]](#footnote-23)** **Water**

2,4-Dichlorophenol 120-83-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

2,4-Dimethylphenol 105-67-9 Total 0.16 0.5 ug/L EHL-L131 7 Days

2,4-Dinitrophenol 51-28-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

2-Chlorophenol 95-57-8 Total 0.16 0.5 ug/L EHL-L131 7 Days

2-Methyl-4,6-Dinitrophenol 534-52-1 Total 0.16 0.5 ug/L EHL-L131 7 Days

2-Nitrophenol 88-75-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

4-Chloro-3-methylphenol 59-50-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

4-Nitrophenol 100-02-7 Total 0.16 0.5 ug/L EHL-L131 7 Days

Anilazine 101-05-3 Total 0.16 0.5 ug/L EHL-L131 7 Days

Carbofuran 1563-66-2 Total 0.31 1 ug/L EHL-L131 7 Days

Diallate (cis or trans) 2303-16-4 Total 0.16 0.5 ug/L EHL-L131 7 Days

Fensulfothion 115-90-2 Total 0.63 2 ug/L EHL-L131 7 Days

Pentachlorophenol 87-86-5 Total 0.16 0.5 ug/L EHL-L131 7 Days

Phenol 108-95-2 Total 1.6 5 ug/L EHL-L131 7 Days

Phosmet 732-11-6 Total 0.16 0.5 ug/L EHL-L131 7 Days

Trichlorophenol, 2,4,6- 88-06-2 Total 0.16 0.5 ug/L EHL-L131 7 Days

Phenol 108-95-2 Total 3.1 10 ug/L EPA 1625 7 Days

Phenols [4AAP] E-10253 Total 0.63 2 ug/L EPA 420.1 24 Hours

Total 0.63 2 ug/L EPA 420.2 28 Days

Total 0.63 2 ug/L EPA 420.4 28 Days

Hexachlorobenzene 118-74-1 Total 0.0031 0.01 ug/L EPA 505 14 Days

Hexachlorocyclopentadiene 77-47-4 Total 0.13 0.41 ug/L EPA 505 14 Days

1,3-Dichlorobenzene 541-73-1 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Hexachloroethane 67-72-1 Total 0.063 0.2 ug/L EPA 524.2 14 Days

Nitrobenzene 98-95-3 Total 1.3 4 ug/L EPA 524.2 14 Days

2-(2-Butoxyethoxy)ethyl Acetate 124-17-4 Total 0.31 1 ug/L EPA 525.2 14 Days

2,4-Dinitrotoluene 121-14-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

**Semi-Volatile Organics** **Water**

2,6-Dinitrotoluene 606-20-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Anilazine 101-05-3 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Benzyl Butyl Phthalate 85-68-7 Total 0.31 1 ug/L EPA 525.2 14 Days

Chrysene-d12 (IS) 1719-03-5 Total 0.31 1 %Recov EPA 525.2 14 Days

DEHP 117-81-7 Total 0.31 1 ug/L EPA 525.2 14 Days

Demeton-S 126-75-0 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Dicrotophos 141-66-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Diethylphthalate 84-66-2 Total 0.31 1 ug/L EPA 525.2 14 Days

Dimethoate 60-51-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Dimethyl Phthalate 131-11-3 Total 0.31 1 ug/L EPA 525.2 14 Days

Di-n-butyl phthalate 84-74-2 Total 0.31 1 ug/L EPA 525.2 14 Days

Di-n-octyl Phthalate 117-84-0 Total 0.31 1 ug/L EPA 525.2 14 Days

Disulfoton 298-04-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

EPN 2104-64-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Famphur 52-85-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Fensulfothion 115-90-2 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Fluchloralin 33245-39-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Hexachlorobenzene 118-74-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Hexachlorocyclopentadiene 77-47-4 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Isophorone 78-59-1 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Mevinphos 7786-34-7 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Mirex 2385-85-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Pentachlorobenzene 608-93-5 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Pentachloronitrobenzene 82-68-8 Total 0.31 1 ug/L EPA 525.2 14 Days

Pentachlorophenol 87-86-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Perylene-d12 (IS) 1520-96-3 Total 0.31 1 %Recov EPA 525.2 14 Days

Phorate 298-02-2 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Phosmet 732-11-6 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Phosphamidon 13171-21-6 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Pronamide 23950-58-5 Total 0.031 0.1 ug/L EPA 525.2 14 Days

TEPP 107-49-3 Total 3.1 10 ug/L EPA 525.2 14 Days

Tetrachlorobenzene, 1,2,4,5- 95-94-3 Total 0.16 0.5 ug/L EPA 525.2 14 Days

Tetrachloro-m-xylene (Surrogate) 877-09-8 Total 0.31 1 %Recov EPA 525.2 14 Days

Triethylene Glycol 112-27-6 Total 0.31 1 ug/L EPA 525.2 14 Days

Trifluralin 1582-09-8 Total 0.031 0.1 ug/L EPA 525.2 14 Days

Chrysene-d12 (IS) 1719-03-5 Total 0.31 1 %Recov EPA 525.3 14 Days

DEHP 117-81-7 Total 0.31 1 ug/L EPA 525.3 14 Days

Hexachlorobenzene 118-74-1 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Hexachlorocyclopentadiene 77-47-4 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Pentachlorophenol 87-86-5 Total 0.031 0.1 ug/L EPA 525.3 14 Days

Perylene-d12 (IS) 1520-96-3 Total 0.31 1 %Recov EPA 525.3 14 Days

Tetrachloro-m-xylene (Surrogate) 877-09-8 Total 0.31 1 %Recov EPA 525.3 14 Days

Trifluralin 1582-09-8 Total 0.031 0.1 ug/L EPA 525.3 14 Days

1,3-Dichlorobenzene 541-73-1 Total 0.5 1.6 ug/L EPA 601 14 Days

Benzyl Butyl Phthalate 85-68-7 Total 0.47 1.5 ug/L EPA 606 7 Days

DEHP 117-81-7 Total 1.9 6 ug/L EPA 606 7 Days

Diethylphthalate 84-66-2 Total 0.47 1.5 ug/L EPA 606 7 Days

Dimethyl Phthalate 131-11-3 Total 0.31 1 ug/L EPA 606 7 Days

Di-n-butyl phthalate 84-74-2 Total 0.47 1.5 ug/L EPA 606 7 Days

Di-n-octyl Phthalate 117-84-0 Total 3.1 10 ug/L EPA 606 7 Days

Hexachlorobenzene 118-74-1 Total 0.031 0.1 ug/L EPA 608 7 Days

Hexachlorocyclopentadiene 77-47-4 Total 1.3 4 ug/L EPA 608 7 Days

Trifluralin 1582-09-8 Total 0.031 0.1 ug/L EPA 608 7 Days

1,3-Dichlorobenzene 541-73-1 Total 3.1 10 ug/L EPA 624 14 Days

Dihydromyrcenol 18479-58-8 Total ug/L EPA 624 14 Days

(Z)-octadec-9-enoic acid 112-80-1 Total ug/L EPA 625 7 Days

1,3-Dichlorobenzene 541-73-1 Total 3.1 10 ug/L EPA 625 7 Days

1-Hexadecene 629-73-2 Total ug/L EPA 625 7 Days

1-methyl-4-prop-1-en-2-yl-cyclohexene 138-86-3 Total ug/L EPA 625 7 Days

1-tetradecene 1120-36-1 Total ug/L EPA 625 7 Days

2-(2-butoxyethoxy)ethanol 112-34-5 Total ug/L EPA 625 7 Days

2-(2-Butoxyethoxy)ethyl Acetate 124-17-4 Total ug/L EPA 625 7 Days

2,4,5-Trichlorophenol 95-95-4 Total 3.1 10 ug/L EPA 625 7 Days

2,4,6-Tribromophenol (Surrogate) 118-79-6 Total 3.1 10 ug/L EPA 625 7 Days

**Semi-Volatile Organics** **Water**

2,4-Dichlorophenol 120-83-2 Total 2.7 8.6 ug/L EPA 625 7 Days

2,4-Dimethylphenol 105-67-9 Total 2.7 8.6 ug/L EPA 625 7 Days

2,4-Dinitrophenol 51-28-5 Total 42 135 ug/L EPA 625 7 Days

2,4-Dinitrotoluene 121-14-2 Total 5.7 18 ug/L EPA 625 7 Days

2,6-Dinitrotoluene 606-20-2 Total 33 106 ug/L EPA 625 7 Days

2-Butoxy ethanol 111-76-2 Total ug/L EPA 625 7 Days

2-Chlorophenol 95-57-8 Total 3.1 10 ug/L EPA 625 7 Days

2-Fluorophenol (Surrogate) 367-12-4 Total ug/L EPA 625 7 Days

2-Methyl-4,6-Dinitrophenol 534-52-1 Total 7.5 24 ug/L EPA 625 7 Days

2-Methylphenol 95-48-7 Total 3.1 10 ug/L EPA 625 7 Days

2-Nitroaniline 88-74-4 Total 16 50 ug/L EPA 625 7 Days

2-Nitrophenol 88-75-5 Total 3.5 11 ug/L EPA 625 7 Days

3,3'-Dichlorobenzidine 91-94-1 Total 16 52 ug/L EPA 625 7 Days

3-Nitroaniline 99-09-2 Total 16 50 ug/L EPA 625 7 Days

4-Bromophenyl Phenyl Ether 101-55-3 Total 1.9 6 ug/L EPA 625 7 Days

4-Chloro-3-methylphenol 59-50-7 Total 3 9.5 ug/L EPA 625 7 Days

4-Chloroaniline 106-47-8 Total 3.1 10 ug/L EPA 625 7 Days

4-Chlorophenyl Phenyl Ether 7005-72-3 Total 4.1 13 ug/L EPA 625 7 Days

4-Methylphenol 106-44-5 Total 3.1 10 ug/L EPA 625 7 Days

4-Nitroaniline 100-01-6 Total 16 50 ug/L EPA 625 7 Days

4-Nitrophenol 100-02-7 Total 2.4 7.6 ug/L EPA 625 7 Days

Aniline 62-53-3 Total 3.1 10 ug/L EPA 625 7 Days

Benzidine 92-87-5 Total 44 140 ug/L EPA 625 7 Days

Benzoic Acid 65-85-0 Total 16 50 ug/L EPA 625 7 Days

Benzyl Alcohol 100-51-6 Total 6.3 20 ug/L EPA 625 7 Days

Benzyl Butyl Phthalate 85-68-7 Total 2.5 8 ug/L EPA 625 7 Days

Bis(2-chloroethoxy)Methane 111-91-1 Total 5.3 17 ug/L EPA 625 7 Days

Bis(2-chloroethyl)Ether 111-44-4 Total 5.7 18 ug/L EPA 625 7 Days

Bis(2-chloroisopropyl) Ether 108-60-1 Total 5.7 18 ug/L EPA 625 7 Days

Bis(2-chloromethyl) Ether 542-88-1 Total 3.1 10 ug/L EPA 625 7 Days

Caffeine 58-08-2 Total ug/L EPA 625 7 Days

Carbazole 86-74-8 Total 3.1 10 ug/L EPA 625 7 Days

Cholesterol 57-88-5 Total ug/L EPA 625 7 Days

Cyclohexanol 89-78-1 Total ug/L EPA 625 7 Days

Decamethylcyclopentasiloxane 541-02-6 Total ug/L EPA 625 7 Days

DEHP 117-81-7 Total 3.1 10 ug/L EPA 625 7 Days

Dibenzofuran 132-64-9 Total 3.1 10 ug/L EPA 625 7 Days

Diethylphthalate 84-66-2 Total 1.9 6 ug/L EPA 625 7 Days

Dihydrocholesterol 80-97-7 Total ug/L EPA 625 7 Days

Dihydromyrcenol 18479-58-8 Total ug/L EPA 625 7 Days

Dimethyl Phthalate 131-11-3 Total 1.6 5.1 ug/L EPA 625 7 Days

Di-n-butyl phthalate 84-74-2 Total 2.5 8 ug/L EPA 625 7 Days

Di-n-octyl Phthalate 117-84-0 Total 2.5 8 ug/L EPA 625 7 Days

Diphenylhydrazine, 1,2- 122-66-7 Total 3.1 10 ug/L EPA 625 7 Days

Hexachlorobenzene 118-74-1 Total 1.9 6 ug/L EPA 625 7 Days

Hexachlorocyclopentadiene 77-47-4 Total 3.1 10 ug/L EPA 625 7 Days

Hexachloroethane 67-72-1 Total 1.6 5.1 ug/L EPA 625 7 Days

hexacosane 630-01-3 Total ug/L EPA 625 7 Days

Isophorone 78-59-1 Total 2.2 7 ug/L EPA 625 7 Days

n-Heptadecane 629-78-7 Total ug/L EPA 625 7 Days

Nitrobenzene 98-95-3 Total 1.9 6 ug/L EPA 625 7 Days

N-Nitrosodiethylamine 55-18-5 Total 1.6 5 ug/L EPA 625 7 Days

N-Nitrosodimethylamine 62-75-9 Total 1.6 5 ug/L EPA 625 7 Days

N-Nitrosodi-n-butylamine 924-16-3 Total 3.1 10 ug/L EPA 625 7 Days

N-Nitrosodi-n-propylamine 621-64-7 Total 1.6 5 ug/L EPA 625 7 Days

N-Nitrosodiphenylamine 86-30-6 Total 1.9 6 ug/L EPA 625 7 Days

N-Nitrosopyrrolidine 930-55-2 Total 1.6 5 ug/L EPA 625 7 Days

n-Tetracosane 646-31-1 Total ug/L EPA 625 7 Days

n-Tetradecanoic Acid 544-63-8 Total ug/L EPA 625 7 Days

n-Tricosane 638-67-5 Total ug/L EPA 625 7 Days

n-Tridecane 629-50-5 Total ug/L EPA 625 7 Days

octadecan-1-ol 112-92-5 Total ug/L EPA 625 7 Days

octathiocane 10544-50-0 Total ug/L EPA 625 7 Days

Palmitic acid 57-10-3 Total ug/L EPA 625 7 Days

**Semi-Volatile Organics** **Water**

PCP methyl ether 1825-21-4 Total 16 50 ug/L EPA 625 7 Days

Pentachlorobenzene 608-93-5 Total 16 50 ug/L EPA 625 7 Days

Pentachlorophenol 87-86-5 Total 3.5 11 ug/L EPA 625 7 Days

Phenol 108-95-2 Total 1.5 4.8 ug/L EPA 625 7 Days

Phenol-d5 (Surrogate) 4165-62-2 Total ug/L EPA 625 7 Days

sodium dodecanoate 143-07-7 Total ug/L EPA 625 7 Days

Stearic acid 57-11-4 Total ug/L EPA 625 7 Days

Terphenyl-d14 98904-43-9 Total ug/L EPA 625 7 Days

Tetrachlorobenzene, 1,2,4,5- 95-94-3 Total 3.1 10 ug/L EPA 625 7 Days

Trichlorophenol, 2,4,6- 88-06-2 Total 3.1 10 ug/L EPA 625 7 Days

Phenols [4AAP] E-10253 Total 0.63 2 ug/L SM5530C 28 Days

Phenol 108-95-2 Total 3.1 10 ug/L SM5530D 24 Hours

Tetrachloro-m-xylene (Surrogate) 877-09-8 Total 0.31 1 %Recov SW846 8081 7 Days

1,3-Dichlorobenzene 541-73-1 Total ug/L SW846 8260 14 Days

1,2-Dinitrobenzene 528-29-0 Total 13 40 ug/L SW846 8270 7 Days

1,2-Octanediol 1117-86-8 Total ug/L SW846 8270 14 Days

1,3,5-Trinitrobenzene 99-35-4 Total 3.1 10 ug/L SW846 8270 7 Days

1,3-Dichlorobenzene 541-73-1 Total 3.1 10 ug/L SW846 8270 7 Days

1,3-Dinitrobenzene 99-65-0 Total 6.3 20 ug/L SW846 8270 7 Days

1,4-Dichlorobenzene-d4 (IS) 3855-82-1 Total 0.31 1 %Recov SW846 8270 7 Days

1,4-Dinitrobenzene 100-25-4 Total 13 40 ug/L SW846 8270 7 Days

1,4-Naphthoquinone 130-15-4 Total 3.1 10 ug/L SW846 8270 7 Days

1,4-Phenylenediamine 106-50-3 Total 3.1 10 ug/L SW846 8270 7 Days

1-Acetyl-2-thiourea 591-08-2 Total 310 1000 ug/L SW846 8270 7 Days

1-Naphthylamine 134-32-7 Total 3.1 10 ug/L SW846 8270 7 Days

2,3,4,6-Tetrachlorophenol 58-90-2 Total 3.1 10 ug/L SW846 8270 7 Days

2,4,4-trimethyl-2-Pentene 107-40-4 Total ug/L SW846 8270 14 Days

2,4,5-Trichlorophenol 95-95-4 Total 3.1 10 ug/L SW846 8270 7 Days

2,4,5-Trimethylaniline 137-17-7 Total 3.1 10 ug/L SW846 8270 7 Days

2,4,6-Tribromophenol (Surrogate) 118-79-6 Total 0.31 1 %Recov SW846 8270 7 Days

2,4-Diaminotoluene 95-80-7 Total 6.3 20 ug/L SW846 8270 7 Days

2,4-Dichlorophenol 120-83-2 Total 3.1 10 ug/L SW846 8270 7 Days

2,4-Dimethylphenol 105-67-9 Total 3.1 10 ug/L SW846 8270 7 Days

2,4-Dinitrophenol 51-28-5 Total 16 50 ug/L SW846 8270 7 Days

2,4-Dinitrotoluene 121-14-2 Total 3.1 10 ug/L SW846 8270 7 Days

2,6-Dichlorophenol 87-65-0 Total 3.1 10 ug/L SW846 8270 7 Days

2,6-Dinitrotoluene 606-20-2 Total 3.1 10 ug/L SW846 8270 7 Days

2-Acetylaminofluorene 53-96-3 Total 6.3 20 ug/L SW846 8270 7 Days

2-Aminoanthraquinone 117-79-3 Total 6.3 20 ug/L SW846 8270 7 Days

2-Chlorophenol 95-57-8 Total 3.1 10 ug/L SW846 8270 7 Days

2-Cyclohexyl-4,6-dinitro-phenol 131-89-5 Total 31 100 ug/L SW846 8270 7 Days

2-Fluorophenol (Surrogate) 367-12-4 Total 0.31 1 %Recov SW846 8270 7 Days

2-Methyl-4,6-Dinitrophenol 534-52-1 Total 16 50 ug/L SW846 8270 7 Days

2-Methylphenol 95-48-7 Total 3.1 10 ug/L SW846 8270 7 Days

2-Naphthylamine 91-59-8 Total 3.1 10 ug/L SW846 8270 7 Days

2-Nitroaniline 88-74-4 Total 16 50 ug/L SW846 8270 7 Days

2-Nitrophenol 88-75-5 Total 3.1 10 ug/L SW846 8270 7 Days

3,3'-Dichlorobenzidine 91-94-1 Total 6.3 20 ug/L SW846 8270 7 Days

3,3'-Dimethoxybenzidine 119-90-4 Total 31 100 ug/L SW846 8270 7 Days

3,3'-Dimethylbenzidine 119-93-7 Total 3.1 10 ug/L SW846 8270 7 Days

3-Methylcholanthrene 56-49-5 Total 3.1 10 ug/L SW846 8270 7 Days

3-Methylphenol 108-39-4 Total 3.1 10 ug/L SW846 8270 7 Days

3-Nitroaniline 99-09-2 Total 16 50 ug/L SW846 8270 7 Days

3-Picolyl chloride hydrochloride 6959-48-4 Total 31 100 ug/L SW846 8270 7 Days

4,4'-Oxydianiline 101-80-4 Total 6.3 20 ug/L SW846 8270 7 Days

4-Aminobiphenyl 92-67-1 Total 6.3 20 ug/L SW846 8270 7 Days

4-Bromophenyl Phenyl Ether 101-55-3 Total 3.1 10 ug/L SW846 8270 7 Days

4-Chloro-3-methylphenol 59-50-7 Total 6.3 20 ug/L SW846 8270 7 Days

4-Chloroaniline 106-47-8 Total 6.3 20 ug/L SW846 8270 7 Days

4-Chlorophenyl Phenyl Ether 7005-72-3 Total 3.1 10 ug/L SW846 8270 7 Days

4-Hydroxy-4-methyl-2-pentanone 123-42-2 Total ug/L SW846 8270 14 Days

4-Methylphenol 106-44-5 Total 3.1 10 ug/L SW846 8270 7 Days

4-Nitroaniline 100-01-6 Total 6.3 20 ug/L SW846 8270 7 Days

4-Nitrobiphenyl 92-93-3 Total 3.1 10 ug/L SW846 8270 7 Days

**Semi-Volatile Organics** **Water**

4-Nitrophenol 100-02-7 Total 16 50 ug/L SW846 8270 7 Days

5,5-Diphenylhydantoin 57-41-0 Total 6.3 20 ug/L SW846 8270 7 Days

5-Chloro-2-methylaniline 95-79-4 Total 3.1 10 ug/L SW846 8270 7 Days

5-Nitro-o-anisidine 99-59-2 Total 3.1 10 ug/L SW846 8270 7 Days

5-Nitro-o-toluidine 99-55-8 Total 3.1 10 ug/L SW846 8270 7 Days

Acetophenone 98-86-2 Total 3.1 10 ug/L SW846 8270 7 Days

Aminoazobenzene 60-09-3 Total 3.1 10 ug/L SW846 8270 7 Days

Anilazine 101-05-3 Total 31 100 ug/L SW846 8270 7 Days

Aniline 62-53-3 Total ug/L SW846 8270 7 Days

Aramite 140-57-8 Total 6.3 20 ug/L SW846 8270 7 Days

Barban 101-27-9 Total 63 200 ug/L SW846 8270 7 Days

Benzidine 92-87-5 Total ug/L SW846 8270 7 Days

Benzoic Acid 65-85-0 Total 16 50 ug/L SW846 8270 7 Days

Benzyl Alcohol 100-51-6 Total 6.3 20 ug/L SW846 8270 7 Days

Benzyl Butyl Phthalate 85-68-7 Total 3.1 10 ug/L SW846 8270 7 Days

Bis(2-chloroethoxy)Methane 111-91-1 Total 3.1 10 ug/L SW846 8270 7 Days

Bis(2-chloroethyl)Ether 111-44-4 Total 3.1 10 ug/L SW846 8270 7 Days

Bis(2-chloroisopropyl) Ether 108-60-1 Total 3.1 10 ug/L SW846 8270 7 Days

Bromoxynil 1689-84-5 Total 3.1 10 ug/L SW846 8270 7 Days

Captan 133-06-2 Total 16 50 ug/L SW846 8270 7 Days

Carbazole 86-74-8 Total ug/L SW846 8270 7 Days

Carbofuran 1563-66-2 Total 3.1 10 ug/L SW846 8270 7 Days

Chrysene-d12 (IS) 1719-03-5 Total 0.31 1 %Recov SW846 8270 7 Days

Cyclohexane, 1-methyl-2-propyl- 4291-79-6 Total ug/L SW846 8270 14 Days

Cyclohexane, diethyl- 1331-43-7 Total ug/L SW846 8270 14 Days

DEHP 117-81-7 Total 3.1 10 ug/L SW846 8270 7 Days

Demeton-S 126-75-0 Total 3.1 10 ug/L SW846 8270 7 Days

Diallate (cis or trans) 2303-16-4 Total 3.1 10 ug/L SW846 8270 7 Days

Dibenz(a,j)acridine 224-42-0 Total 3.1 10 ug/L SW846 8270 7 Days

Dibenzofuran 132-64-9 Total 3.1 10 ug/L SW846 8270 7 Days

Dicrotophos 141-66-2 Total 3.1 10 ug/L SW846 8270 7 Days

Diethyl Sulfate 64-67-5 Total 31 100 ug/L SW846 8270 7 Days

Diethylphthalate 84-66-2 Total 3.1 10 ug/L SW846 8270 7 Days

Diethylstilbestrol 56-53-1 Total 6.3 20 ug/L SW846 8270 7 Days

Dimethoate 60-51-5 Total 6.3 20 ug/L SW846 8270 7 Days

Dimethyl Phthalate 131-11-3 Total 3.1 10 ug/L SW846 8270 7 Days

Dimethylaminoazobenzene 60-11-7 Total 3.1 10 ug/L SW846 8270 7 Days

Di-n-butyl phthalate 84-74-2 Total 3.1 10 ug/L SW846 8270 7 Days

Dinocap 39300-45-3 Total 31 100 ug/L SW846 8270 7 Days

Di-n-octyl Phthalate 117-84-0 Total 3.1 10 ug/L SW846 8270 7 Days

Diphenylhydrazine, 1,2- 122-66-7 Total ug/L SW846 8270 7 Days

Disulfoton 298-04-4 Total 3.1 10 ug/L SW846 8270 7 Days

EPN 2104-64-5 Total 3.1 10 ug/L SW846 8270 7 Days

Ethyl carbamate 51-79-6 Total 16 50 ug/L SW846 8270 7 Days

Ethyl methanesulfonate 62-50-0 Total 6.3 20 ug/L SW846 8270 7 Days

Famphur 52-85-7 Total 6.3 20 ug/L SW846 8270 7 Days

Fensulfothion 115-90-2 Total 13 40 ug/L SW846 8270 7 Days

Fluchloralin 33245-39-5 Total 6.3 20 ug/L SW846 8270 7 Days

Hexachlorobenzene 118-74-1 Total 3.1 10 ug/L SW846 8270 7 Days

Hexachlorocyclopentadiene 77-47-4 Total 3.1 10 ug/L SW846 8270 7 Days

Hexachloroethane 67-72-1 Total 3.1 10 ug/L SW846 8270 7 Days

Hexachlorophene 70-30-4 Total 16 50 ug/L SW846 8270 7 Days

Hexachloropropene 1888-71-7 Total 3.1 10 ug/L SW846 8270 7 Days

Hexamethylphosphoramide 680-31-9 Total 6.3 20 ug/L SW846 8270 7 Days

Isodrin 465-73-6 Total 6.3 20 ug/L SW846 8270 7 Days

Isophorone 78-59-1 Total 3.1 10 ug/L SW846 8270 7 Days

Isosafrole 120-58-1 Total 3.1 10 ug/L SW846 8270 7 Days

Kepone 143-50-0 Total 6.3 20 ug/L SW846 8270 7 Days

Mestranol 72-33-3 Total 6.3 20 ug/L SW846 8270 7 Days

Methapyrilene 91-80-5 Total 31 100 ug/L SW846 8270 7 Days

Methyl Methanesulfonate 66-27-3 Total 3.1 10 ug/L SW846 8270 7 Days

Mevinphos 7786-34-7 Total 3.1 10 ug/L SW846 8270 7 Days

Mexacarbate 315-18-4 Total 6.3 20 ug/L SW846 8270 7 Days

Mirex 2385-85-5 Total 3.1 10 ug/L SW846 8270 7 Days

**Semi-Volatile Organics** **Water**

Naphthalene-d8 (IS) 1146-65-2 Total 0.31 1 %Recov SW846 8270 7 Days

Nicotine 54-11-5 Total 6.3 20 ug/L SW846 8270 7 Days

Nitrobenzene 98-95-3 Total 3.1 10 ug/L SW846 8270 7 Days

Nitrofen 1836-75-5 Total 6.3 20 ug/L SW846 8270 7 Days

Nitroquinoline-1-oxide 56-57-5 Total 13 40 ug/L SW846 8270 7 Days

N-Nitrosodiethylamine 55-18-5 Total 6.3 20 ug/L SW846 8270 7 Days

N-Nitrosodimethylamine 62-75-9 Total ug/L SW846 8270 7 Days

N-Nitrosodi-n-butylamine 924-16-3 Total 3.1 10 ug/L SW846 8270 7 Days

N-Nitrosodi-n-propylamine 621-64-7 Total 3.1 10 ug/L SW846 8270 7 Days

N-Nitrosodiphenylamine 86-30-6 Total 3.1 10 ug/L SW846 8270 7 Days

N-Nitrosopiperidine 100-75-4 Total 6.3 20 ug/L SW846 8270 7 Days

N-Nitrosopyrrolidine 930-55-2 Total 13 40 ug/L SW846 8270 7 Days

o-Anisidine 90-04-0 Total 3.1 10 ug/L SW846 8270 7 Days

Octamethyl Pyrophosphoramide 152-16-9 Total 63 200 ug/L SW846 8270 7 Days

o-Toluidine 95-53-4 Total 3.1 10 ug/L SW846 8270 7 Days

p-Benzoquinone 106-51-4 Total 3.1 10 ug/L SW846 8270 7 Days

p-Cresidine 120-71-8 Total 3.1 10 ug/L SW846 8270 7 Days

Pentachlorobenzene 608-93-5 Total 3.1 10 ug/L SW846 8270 7 Days

Pentachloronitrobenzene 82-68-8 Total 6.3 20 ug/L SW846 8270 7 Days

Pentachlorophenol 87-86-5 Total 16 50 ug/L SW846 8270 7 Days

Pentanal, 2-methyl- 123-15-9 Total ug/L SW846 8270 14 Days

Perylene-d12 (IS) 1520-96-3 Total 0.31 1 %Recov SW846 8270 7 Days

Phenacetin 62-44-2 Total 6.3 20 ug/L SW846 8270 7 Days

Phenobarbital 50-06-6 Total 3.1 10 ug/L SW846 8270 7 Days

Phenol 108-95-2 Total 3.1 10 ug/L SW846 8270 7 Days

Phenol-d5 (Surrogate) 4165-62-2 Total %Recov SW846 8270 14 Days

Phorate 298-02-2 Total 3.1 10 ug/L SW846 8270 7 Days

Phosalone 2310-17-0 Total 31 100 ug/L SW846 8270 7 Days

Phosmet 732-11-6 Total 13 40 ug/L SW846 8270 7 Days

Phosphamidon 13171-21-6 Total 31 100 ug/L SW846 8270 7 Days

Phthalic Anhydride 85-44-9 Total 31 100 ug/L SW846 8270 7 Days

Piperonyl Sulfoxide 120-62-7 Total 31 100 ug/L SW846 8270 7 Days

Pronamide 23950-58-5 Total 3.1 10 ug/L SW846 8270 7 Days

Propylthiouracil 51-52-5 Total 31 100 ug/L SW846 8270 7 Days

Pyridine 110-86-1 Total ug/L SW846 8270 7 Days

Resorcinol 108-46-3 Total 31 100 ug/L SW846 8270 7 Days

Safrole 94-59-7 Total 3.1 10 ug/L SW846 8270 7 Days

Strychnine 57-24-9 Total 13 40 ug/L SW846 8270 7 Days

Sulfallate 95-06-7 Total 3.1 10 ug/L SW846 8270 7 Days

TDBPP 126-72-7 Total 63 200 ug/L SW846 8270 7 Days

TEPP 107-49-3 Total 13 40 ug/L SW846 8270 7 Days

Terphenyl-d14 98904-43-9 Total %Recov SW846 8270 14 Days

Tetrachlorobenzene, 1,2,4,5- 95-94-3 Total 3.1 10 ug/L SW846 8270 7 Days

Tetrachlorvinphos 961-11-5 Total 6.3 20 ug/L SW846 8270 7 Days

Thiophenol (Benzenethiol) 108-98-5 Total 6.3 20 ug/L SW846 8270 7 Days

Trichlorophenol, 2,4,6- 88-06-2 Total 3.1 10 ug/L SW846 8270 7 Days

Trifluralin 1582-09-8 Total 3.1 10 ug/L SW846 8270 7 Days

Trimethyl Phosphate 512-56-1 Total 3.1 10 ug/L SW846 8270 7 Days

Tri-p-tolyl Phosphate 78-32-0 Total 3.1 10 ug/L SW846 8270 7 Days

Unknown Compound E-Unknown Total ug/L SW846 8270 14 Days

Phenols [4AAP] E-10253 Total 0.63 2 ug/L SW846 9066 28 Days

**Volatile Organics** [[24]](#footnote-24) **Water**

1,1,1,2-Tetrachloroethane 630-20-6 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1,1,1-Trichloroethane 71-55-6 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1,1,2-Trichloroethane 79-00-5 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1,1-Dichloroethane 75-34-3 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1,1-Dichloroethene 75-35-4 Total 0.047 0.15 ug/L EPA 524.2 14 Days

**Volatile Organics** **Water**

1,1-Dichloropropanone 513-88-2 Total 1 3.2 ug/L EPA 524.2 14 Days

1,1-Dichloropropene 563-58-6 Total 0.025 0.08 ug/L EPA 524.2 14 Days

1,2,3-Trichlorobenzene 87-61-6 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1,2,3-Trichloropropane 96-18-4 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1,2,4-Trimethylbenzene 95-63-6 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1,2-Dibromoethane (EDB) 106-93-4 Total 0.025 0.08 ug/L EPA 524.2 14 Days

1,2-Dichlorobenzene 95-50-1 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1,2-Dichloroethane 107-06-2 Total 0.025 0.08 ug/L EPA 524.2 14 Days

1,2-Dichloropropane 78-87-5 Total 0.025 0.08 ug/L EPA 524.2 14 Days

1,3,5-Trimethylbenzene 108-67-8 Total 0.025 0.08 ug/L EPA 524.2 14 Days

1,3-Dichloropropane 142-28-9 Total 0.047 0.15 ug/L EPA 524.2 14 Days

1,4-Dichlorobenzene 106-46-7 Total 0.031 0.1 ug/L EPA 524.2 14 Days

1-Chlorobutane 109-69-3 Total 0.19 0.6 ug/L EPA 524.2 14 Days

2,2-Dichloropropane 594-20-7 Total 0.047 0.15 ug/L EPA 524.2 14 Days

2-Butanone (MEK) 78-93-3 Total 0.47 1.5 ug/L EPA 524.2 14 Days

2-Chlorotoluene 95-49-8 Total 0.047 0.15 ug/L EPA 524.2 14 Days

2-Hexanone 591-78-6 Total 0.41 1.3 ug/L EPA 524.2 14 Days

2-Nitropropane 79-46-9 Total 0.16 0.5 ug/L EPA 524.2 14 Days

4-Chlorotoluene 106-43-4 Total 0.047 0.15 ug/L EPA 524.2 14 Days

4-Isopropyltoluene 99-87-6 Total 0.13 0.4 ug/L EPA 524.2 14 Days

4-Methyl-2-pentanone 108-10-1 Total 0.17 0.55 ug/L EPA 524.2 14 Days

Acetone 67-64-1 Total 0.31 1 ug/L EPA 524.2 14 Days

Acrylonitrile 107-13-1 Total 0.22 0.7 ug/L EPA 524.2 14 Days

Allyl Chloride 107-05-1 Total 0.13 0.4 ug/L EPA 524.2 14 Days

Benzene 71-43-2 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Bromobenzene 108-86-1 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Bromochloromethane 74-97-5 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Bromoform 75-25-2 Total 0.13 0.4 ug/L EPA 524.2 14 Days

Bromomethane 74-83-9 Total 0.063 0.2 ug/L EPA 524.2 14 Days

Carbon Disulfide 75-15-0 Total 0.094 0.3 ug/L EPA 524.2 14 Days

Carbon Tetrachloride 56-23-5 Total 0.079 0.25 ug/L EPA 524.2 14 Days

Chloroacetonitrile 107-14-2 Total 0.13 0.4 ug/L EPA 524.2 14 Days

Chlorobenzene 108-90-7 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Chlorodibromomethane 124-48-1 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Chloroethane 75-00-3 Total 0.025 0.08 ug/L EPA 524.2 14 Days

Chloroform 67-66-3 Total 0.025 0.08 ug/L EPA 524.2 14 Days

Chloromethane 74-87-3 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Dibromo-3-Chloropropane, 1,2 96-12-8 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Dibromomethane 74-95-3 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Dichlorodifluoromethane 75-71-8 Total 0.094 0.3 ug/L EPA 524.2 14 Days

Dichloroethene, cis-1,2- 156-59-2 Total 0.063 0.2 ug/L EPA 524.2 14 Days

Dichloroethene, trans-1,2- 156-60-5 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 0.063 0.2 ug/L EPA 524.2 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Diethyl Ether 60-29-7 Total 0.31 1 ug/L EPA 524.2 14 Days

Ethyl methacrylate 97-63-2 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Ethylbenzene 100-41-4 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Hexachlorobutadiene 87-68-3 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Isopropylbenzene 98-82-8 Total 0.094 0.3 ug/L EPA 524.2 14 Days

Methacrylonitrile 126-98-7 Total 0.13 0.4 ug/L EPA 524.2 14 Days

Methyl Iodide 74-88-4 Total 0.025 0.08 ug/L EPA 524.2 14 Days

Methylacrylate 96-33-3 Total 0.44 1.4 ug/L EPA 524.2 14 Days

Methylene Chloride 75-09-2 Total 0.031 0.1 ug/L EPA 524.2 14 Days

Methylmethacrylate 80-62-6 Total 0.44 1.4 ug/L EPA 524.2 14 Days

MTBE 1634-04-4 Total 0.094 0.3 ug/L EPA 524.2 14 Days

m-Xylene 108-38-3 Total 0.031 0.1 ug/L EPA 524.2 14 Days

n-Butylbenzene 104-51-8 Total 0.031 0.1 ug/L EPA 524.2 14 Days

n-Propylbenzene 103-65-1 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Pentachloroethane 76-01-7 Total 0.14 0.45 ug/L EPA 524.2 14 Days

Propionitrile 107-12-0 Total 0.14 0.45 ug/L EPA 524.2 14 Days

p-Xylene 106-42-3 Total 0.063 0.2 ug/L EPA 524.2 14 Days

sec-Butylbenzene 135-98-8 Total 0.13 0.4 ug/L EPA 524.2 14 Days

**Volatile Organics** **Water**

Styrene 100-42-5 Total 0.047 0.15 ug/L EPA 524.2 14 Days

tert-Butylbenzene 98-06-6 Total 0.14 0.45 ug/L EPA 524.2 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Tetrachloroethene 127-18-4 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Tetrahydrofuran 109-99-9 Total 1.6 5 ug/L EPA 524.2 14 Days

Toluene 108-88-3 Total 0.079 0.25 ug/L EPA 524.2 14 Days

trans-1,4-Dichloro-2-butene 110-57-6 Total 0.38 1.2 ug/L EPA 524.2 14 Days

Trichloroethene 79-01-6 Total 0.025 0.08 ug/L EPA 524.2 14 Days

Trichlorofluoromethane 75-69-4 Total 0.079 0.25 ug/L EPA 524.2 14 Days

Vinyl Chloride 75-01-4 Total 0.047 0.15 ug/L EPA 524.2 14 Days

Xylene, (m- + p-) 0-00-62 [[25]](#footnote-25) Total 0.063 0.2 ug/L EPA 524.2 14 Days

Xylene, o- 95-47-6 Total 0.063 0.2 ug/L EPA 524.2 14 Days

1,1,1-Trichloroethane 71-55-6 Total 0.047 0.15 ug/L EPA 601 14 Days

1,1,2-Trichloroethane 79-00-5 Total 0.031 0.1 ug/L EPA 601 14 Days

1,1-Dichloroethane 75-34-3 Total 0.11 0.35 ug/L EPA 601 14 Days

1,1-Dichloroethene 75-35-4 Total 0.19 0.6 ug/L EPA 601 14 Days

1,2-Dichlorobenzene 95-50-1 Total 0.24 0.75 ug/L EPA 601 14 Days

1,2-Dichloroethane 107-06-2 Total 0.047 0.15 ug/L EPA 601 14 Days

1,2-Dichloropropane 78-87-5 Total 0.063 0.2 ug/L EPA 601 14 Days

1,4-Dichlorobenzene 106-46-7 Total 0.38 1.2 ug/L EPA 601 14 Days

2-Chloroethylvinylether 110-75-8 Total 0.2 0.65 ug/L EPA 601 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 0.16 0.5 ug/L EPA 601 14 Days

Bromoform 75-25-2 Total 0.031 0.1 ug/L EPA 601 14 Days

Bromomethane 74-83-9 Total 1.9 5.9 ug/L EPA 601 14 Days

Carbon Tetrachloride 56-23-5 Total 0.19 0.6 ug/L EPA 601 14 Days

Chlorodibromomethane 124-48-1 Total 0.14 0.45 ug/L EPA 601 14 Days

Chloroethane 75-00-3 Total 0.82 2.6 ug/L EPA 601 14 Days

Chloroform 67-66-3 Total 0.079 0.25 ug/L EPA 601 14 Days

Chloromethane 74-87-3 Total 0.13 0.4 ug/L EPA 601 14 Days

Dichlorodifluoromethane 75-71-8 Total 1.9 5.9 ug/L EPA 601 14 Days

Dichloroethene, trans-1,2- 156-60-5 Total 0.16 0.5 ug/L EPA 601 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 0.53 1.7 ug/L EPA 601 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 0.31 1 ug/L EPA 601 14 Days

Methylene Chloride 75-09-2 Total 0.079 0.25 ug/L EPA 601 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 0.047 0.15 ug/L EPA 601 14 Days

Tetrachloroethene 127-18-4 Total 0.047 0.15 ug/L EPA 601 14 Days

Trichloroethene 79-01-6 Total 0.19 0.6 ug/L EPA 601 14 Days

Vinyl Chloride 75-01-4 Total 0.28 0.9 ug/L EPA 601 14 Days

Benzene 71-43-2 Total 0.31 1 ug/L EPA 602 14 Days

Chlorobenzene 108-90-7 Total 0.31 1 ug/L EPA 602 14 Days

Ethylbenzene 100-41-4 Total 0.31 1 ug/L EPA 602 14 Days

Toluene 108-88-3 Total 0.31 1 ug/L EPA 602 14 Days

Acrolein 107-02-8 Total 0.94 3 ug/L EPA 603 14 Days

Acrylonitrile 107-13-1 Total 0.5 1.6 ug/L EPA 603 14 Days

1,1,1,2-Tetrachloroethane 630-20-6 Total 0.16 0.5 ug/L EPA 624 14 Days

1,1,1-Trichloroethane 71-55-6 Total 3.8 12 ug/L EPA 624 14 Days

1,1,2-Trichloroethane 79-00-5 Total 5 16 ug/L EPA 624 14 Days

1,1-Dichloroethane 75-34-3 Total 4.7 15 ug/L EPA 624 14 Days

1,1-Dichloroethene 75-35-4 Total 2.8 9 ug/L EPA 624 14 Days

1,1-Dichloropropene 563-58-6 Total 0.16 0.5 ug/L EPA 624 14 Days

1,2,3,4-Tetramethylbenzene 488-23-3 Total ug/L EPA 624 14 Days

1,2,3-Trichlorobenzene 87-61-6 Total 0.16 0.5 ug/L EPA 624 14 Days

1,2,3-Trichloropropane 96-18-4 Total 0.16 0.5 ug/L EPA 624 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 0.16 0.5 ug/L EPA 624 14 Days

1,2,4-Trimethylbenzene 95-63-6 Total 0.13 0.41 ug/L EPA 624 14 Days

1,2-Dibromoethane (EDB) 106-93-4 Total 0.16 0.5 ug/L EPA 624 14 Days

1,2-Dichlorobenzene 95-50-1 Total 3.1 10 ug/L EPA 624 14 Days

1,2-Dichlorobenzene-d4 2199-69-1 Total 3.1 10 ug/L EPA 624 14 Days

1,2-Dichloroethane 107-06-2 Total 2.8 9 ug/L EPA 624 14 Days

1,2-Dichloroethane-d4 17060-07-0 Total ug/L EPA 624 14 Days

**Volatile Organics** **Water**

1,2-Dichloropropane 78-87-5 Total 6 19 ug/L EPA 624 14 Days

1,3,5-Trimethylbenzene 108-67-8 Total 0.05 0.16 ug/L EPA 624 14 Days

1,3-Dichloropropane 142-28-9 Total 0.16 0.5 ug/L EPA 624 14 Days

1,4-Cineole 470-67-7 Total ug/L EPA 624 14 Days

1,4-Dichlorobenzene 106-46-7 Total 3.1 10 ug/L EPA 624 14 Days

1-Ethyl-2,3-dimethyl-benzene 933-98-2 Total ug/L EPA 624 14 Days

2,2-Dichloropropane 594-20-7 Total 0.16 0.5 ug/L EPA 624 14 Days

2-Butanone (MEK) 78-93-3 Total 3.1 10 ug/L EPA 624 14 Days

2-Chloroethylvinylether 110-75-8 Total 3.1 10 ug/L EPA 624 14 Days

2-Chlorotoluene 95-49-8 Total 0.16 0.5 ug/L EPA 624 14 Days

2-ethyl-1,3-dimethyl-benzene 2870-04-4 Total ug/L EPA 624 14 Days

2-Methyldecane 6975-98-0 Total ug/L EPA 624 14 Days

3-Methyl decane 13151-34-3 Total ug/L EPA 624 14 Days

4-Bromofluorobenzene (surr.) 460-00-4 Total ug/L EPA 624 14 Days

4-Chlorotoluene 106-43-4 Total 0.16 0.5 ug/L EPA 624 14 Days

4-Isopropyltoluene 99-87-6 Total 0.16 0.5 ug/L EPA 624 14 Days

4-Methyl-2-pentanone 108-10-1 Total 1.6 5 ug/L EPA 624 14 Days

Acetone 67-64-1 Total 31 100 ug/L EPA 624 14 Days

Acrolein 107-02-8 Total 30 95 ug/L EPA 624 14 Days

Acrylonitrile 107-13-1 Total 14 43 ug/L EPA 624 14 Days

Benzene 71-43-2 Total 4.4 14 ug/L EPA 624 14 Days

Bromobenzene 108-86-1 Total 0.16 0.5 ug/L EPA 624 14 Days

Bromochloromethane 74-97-5 Total 0.16 0.5 ug/L EPA 624 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 0.16 0.5 ug/L EPA 624 14 Days

Bromoform 75-25-2 Total 4.7 15 ug/L EPA 624 14 Days

Bromomethane 74-83-9 Total 3.1 10 ug/L EPA 624 14 Days

Carbon Disulfide 75-15-0 Total 2.5 8 ug/L EPA 624 14 Days

Carbon Tetrachloride 56-23-5 Total 2.8 9 ug/L EPA 624 14 Days

Chlorobenzene 108-90-7 Total 6 19 ug/L EPA 624 14 Days

Chlorodibromomethane 124-48-1 Total 3.1 10 ug/L EPA 624 14 Days

Chloroethane 75-00-3 Total 3.1 10 ug/L EPA 624 14 Days

Chloroform 67-66-3 Total 1.6 5 ug/L EPA 624 14 Days

Chloromethane 74-87-3 Total 3.1 10 ug/L EPA 624 14 Days

Dibromo-3-Chloropropane, 1,2 96-12-8 Total 0.16 0.5 ug/L EPA 624 14 Days

Dibromomethane 74-95-3 Total 0.16 0.5 ug/L EPA 624 14 Days

Dichlorodifluoromethane 75-71-8 Total 0.16 0.5 ug/L EPA 624 14 Days

Dichloroethene, cis-1,2- 156-59-2 Total 0.16 0.5 ug/L EPA 624 14 Days

Dichloroethene, trans-1,2- 156-60-5 Total 1.6 5.1 ug/L EPA 624 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 1.6 5 ug/L EPA 624 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 3.1 10 ug/L EPA 624 14 Days

Diisopropyl ether (DIPE) 108-20-3 Total 0.31 1 ug/L EPA 624 14 Days

D-limonene 5989-27-5 Total ug/L EPA 624 14 Days

Dodecane 112-40-3 Total ug/L EPA 624 14 Days

Ethylbenzene 100-41-4 Total 7.2 23 ug/L EPA 624 14 Days

Hexachlorobutadiene 87-68-3 Total 0.16 0.5 ug/L EPA 624 14 Days

Isopropylbenzene 98-82-8 Total 0.16 0.5 ug/L EPA 624 14 Days

m-cymene 535-77-3 Total ug/L EPA 624 14 Days

Methylene Chloride 75-09-2 Total 2.8 8.9 ug/L EPA 624 14 Days

MTBE 1634-04-4 Total 0.091 0.29 ug/L EPA 624 14 Days

n-Butylbenzene 104-51-8 Total 0.16 0.5 ug/L EPA 624 14 Days

n-Propylbenzene 103-65-1 Total 0.16 0.5 ug/L EPA 624 14 Days

Propyl Mercaptan 107-03-9 Total ug/L EPA 624 14 Days

sec-Butylbenzene 135-98-8 Total 0.16 0.5 ug/L EPA 624 14 Days

Styrene 100-42-5 Total 0.16 0.5 ug/L EPA 624 14 Days

Sulfur Dioxide 7446-09-5 Total ug/L EPA 624 14 Days

tert-Butylbenzene 98-06-6 Total 0.16 0.5 ug/L EPA 624 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 6.9 22 ug/L EPA 624 14 Days

Tetrachloroethene 127-18-4 Total 4.1 13 ug/L EPA 624 14 Days

Toluene 108-88-3 Total 6 19 ug/L EPA 624 14 Days

Toluene-d8 (surr.) 2037-26-5 Total ug/L EPA 624 14 Days

Trichloroethene 79-01-6 Total 1.9 6 ug/L EPA 624 14 Days

Trichlorofluoromethane 75-69-4 Total 3.1 10 ug/L EPA 624 14 Days

Trimethylbenzene, 1,2,3- 526-73-8 Total 0.16 0.5 ug/L EPA 624 14 Days

Undecane 1120-21-4 Total ug/L EPA 624 14 Days

**Volatile Organics** **Water**

Vinyl Chloride 75-01-4 Total 3.1 10 ug/L EPA 624 14 Days

Xylene, (m- + p-) 0-00-62 Total 0.16 0.5 ug/L EPA 624 14 Days

Xylene, o- 95-47-6 Total 0.16 0.5 ug/L EPA 624 14 Days

Xylenes, Total 1330-20-7 Total 0.31 1 ug/L EPA 624 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 1.9 6 ug/L EPA 625 7 Days

1,2-Dichlorobenzene 95-50-1 Total 3.1 10 ug/L EPA 625 7 Days

1,4-Dichlorobenzene 106-46-7 Total 3.1 10 ug/L EPA 625 7 Days

Hexachlorobutadiene 87-68-3 Total 0.91 2.9 ug/L EPA 625 7 Days

1,1,1,2-Tetrachloroethane 630-20-6 Total ug/L SW846 8260 14 Days

1,1,1-Trichloroethane 71-55-6 Total 0.31 1 ug/L SW846 8260 14 Days

1,1,2-Trichloroethane 79-00-5 Total 0.31 1 ug/L SW846 8260 14 Days

1,1-Dichloroethane 75-34-3 Total 0.31 1 ug/L SW846 8260 14 Days

1,1-Dichloroethene 75-35-4 Total 0.31 1 ug/L SW846 8260 14 Days

1,1-Dichloropropene 563-58-6 Total ug/L SW846 8260 14 Days

1,2,3-Trichlorobenzene 87-61-6 Total ug/L SW846 8260 14 Days

1,2,3-Trichloropropane 96-18-4 Total ug/L SW846 8260 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total ug/L SW846 8260 14 Days

1,2,4-Trimethylbenzene 95-63-6 Total ug/L SW846 8260 14 Days

1,2-Dibromoethane (EDB) 106-93-4 Total ug/L SW846 8260 14 Days

1,2-Dichlorobenzene 95-50-1 Total ug/L SW846 8260 14 Days

1,2-Dichloroethane 107-06-2 Total 0.31 1 ug/L SW846 8260 14 Days

1,2-Dichloroethane-d4 17060-07-0 Total 0.31 1 % SW846 8260 14 Days

1,2-Dichloropropane 78-87-5 Total 0.31 1 ug/L SW846 8260 14 Days

1,3,5-Trimethylbenzene 108-67-8 Total ug/L SW846 8260 14 Days

1,3-Dichloropropane 142-28-9 Total ug/L SW846 8260 14 Days

1,4-Dichlorobenzene 106-46-7 Total ug/L SW846 8260 14 Days

2,2-Dichloropropane 594-20-7 Total ug/L SW846 8260 14 Days

2-Butanone (MEK) 78-93-3 Total 1.6 5 ug/L SW846 8260 14 Days

2-Chloroethylvinylether 110-75-8 Total 1.6 5 ug/L SW846 8260 14 Days

2-Chlorotoluene 95-49-8 Total ug/L SW846 8260 14 Days

2-Hexanone 591-78-6 Total 1.6 5 ug/L SW846 8260 14 Days

4-Bromofluorobenzene (surr.) 460-00-4 Total 0.31 1 %Recov SW846 8260 14 Days

4-Chlorotoluene 106-43-4 Total ug/L SW846 8260 14 Days

4-Isopropyltoluene 99-87-6 Total ug/L SW846 8260 14 Days

4-Methyl-2-pentanone 108-10-1 Total 1.6 5 ug/L SW846 8260 14 Days

Acetone 67-64-1 Total 31 100 ug/L SW846 8260 14 Days

Acrolein 107-02-8 Total ug/L SW846 8260 14 Days

Acrylonitrile 107-13-1 Total ug/L SW846 8260 14 Days

Benzene 71-43-2 Total 0.31 1 ug/L SW846 8260 14 Days

Bromobenzene 108-86-1 Total ug/L SW846 8260 14 Days

Bromochloromethane 74-97-5 Total ug/L SW846 8260 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 0.31 1 ug/L SW846 8260 14 Days

Bromoform 75-25-2 Total 0.31 1 ug/L SW846 8260 14 Days

Bromomethane 74-83-9 Total 0.63 2 ug/L SW846 8260 14 Days

Carbon Disulfide 75-15-0 Total 2.5 8 ug/L SW846 8260 14 Days

Carbon Tetrachloride 56-23-5 Total 0.31 1 ug/L SW846 8260 14 Days

Chlorobenzene 108-90-7 Total 0.31 1 ug/L SW846 8260 14 Days

Chlorodibromomethane 124-48-1 Total 0.31 1 ug/L SW846 8260 14 Days

Chloroethane 75-00-3 Total 0.63 2 ug/L SW846 8260 14 Days

Chloroform 67-66-3 Total 0.31 1 ug/L SW846 8260 14 Days

Chloromethane 74-87-3 Total 0.63 2 ug/L SW846 8260 14 Days

Dibromo-3-Chloropropane, 1,2 96-12-8 Total ug/L SW846 8260 14 Days

Dibromofluoromethane (surr.) 1868-53-7 Total 0.31 1 %Recov SW846 8260 14 Days

Dibromomethane 74-95-3 Total ug/L SW846 8260 14 Days

Dichlorodifluoromethane 75-71-8 Total ug/L SW846 8260 14 Days

Dichloroethene, 1,2- (Total) 540-59-0 Total 0.63 2 ug/L SW846 8260 14 Days

Dichloroethene, cis-1,2- 156-59-2 Total ug/L SW846 8260 14 Days

Dichloroethene, trans-1,2- 156-60-5 Total ug/L SW846 8260 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 0.31 1 ug/L SW846 8260 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 0.31 1 ug/L SW846 8260 14 Days

Ethyl methacrylate 97-63-2 Total ug/L SW846 8260 14 Days

Ethylbenzene 100-41-4 Total 0.31 1 ug/L SW846 8260 14 Days

Hexachlorobutadiene 87-68-3 Total ug/L SW846 8260 14 Days

Isopropylbenzene 98-82-8 Total ug/L SW846 8260 14 Days

**Volatile Organics** **Water**

Methyl Iodide 74-88-4 Total ug/L SW846 8260 14 Days

Methylene Chloride 75-09-2 Total 0.31 1 ug/L SW846 8260 14 Days

MTBE 1634-04-4 Total ug/L SW846 8260 14 Days

n-Butylbenzene 104-51-8 Total ug/L SW846 8260 14 Days

n-Propylbenzene 103-65-1 Total ug/L SW846 8260 14 Days

sec-Butylbenzene 135-98-8 Total ug/L SW846 8260 14 Days

Styrene 100-42-5 Total 0.31 1 ug/L SW846 8260 14 Days

tert-Butylbenzene 98-06-6 Total ug/L SW846 8260 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 0.31 1 ug/L SW846 8260 14 Days

Tetrachloroethene 127-18-4 Total 0.31 1 ug/L SW846 8260 14 Days

Toluene 108-88-3 Total 0.31 1 ug/L SW846 8260 14 Days

Toluene-d8 (surr.) 2037-26-5 Total 0.31 1 %Recov SW846 8260 14 Days

trans-1,4-Dichloro-2-butene 110-57-6 Total 0.31 1 mg/L SW846 8260 14 Days

Trichloroethene 79-01-6 Total 0.31 1 ug/L SW846 8260 14 Days

Trichlorofluoromethane 75-69-4 Total ug/L SW846 8260 14 Days

Vinyl Acetate 108-05-4 Total 0.31 1 ug/L SW846 8260 14 Days

Vinyl Chloride 75-01-4 Total 0.63 2 ug/L SW846 8260 14 Days

Xylenes, Total 1330-20-7 Total 0.94 3 ug/L SW846 8260 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 3.1 10 ug/L SW846 8270 7 Days

1,2-Dichlorobenzene 95-50-1 Total 3.1 10 ug/L SW846 8270 7 Days

1,4-Dichlorobenzene 106-46-7 Total 3.1 10 ug/L SW846 8270 7 Days

Hexachlorobutadiene 87-68-3 Total 3.1 10 ug/L SW846 8270 7 Days

Toluene 108-88-3 Total ug/L SW846 8270 14 Days

**General Chemistry *[[26]](#footnote-26)*** **[[27]](#footnote-27)****[[28]](#footnote-28)** **Sediment**

Clay Clay [[29]](#footnote-29) Total 0.031 0.1 % ASTM D422

Clay/Silt Clay/Silt 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #10 Sieve10 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #100 Sieve100 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #140 Sieve140 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #20 Sieve20 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #200 Sieve200 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #4 Sieve4 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #40 Sieve40 28 Total 0.031 0.1 % ASTM D422

Grain size, Sieve #60 Sieve60 28 Total 0.031 0.1 % ASTM D422

Gravel Gravel 28 Total 0.031 0.1 % ASTM D422

Sand Sand 28 Total 0.031 0.1 % ASTM D422

Silt Silt 28 Total 0.031 0.1 % ASTM D422

Specific Gravity SPECGRAVITY 28 Total 0.031 0.1 g/cm3 ASTM D422

Grain size analysis GRAINSIZE 28 Total 0.31 1 % ASTM D854

Solids, Total (TS) E-10151 28 Total 0.31 1 % EPA 160.3 7 Days

Solids, Total Volatile E-11927 28 Total 0.31 1 % EPA 160.4 7 Days

Chloride 16887-00-6 Total 1.9 6 mg/Kg dw EPA 325.2 28 Days

Cyanide (Total) 57-12-5 Total 0.079 0.25 mg/Kg dw EPA 335.4 14 Days

Sulfide 18496-25-8 Total 0.41 1.3 mg/Kg dw EPA 376.2 7 Days

Solids, Total (TS) E-10151 28 Total µg/Kg dw SM2540B 14 Days

Solids SOLIDS 28 Total 0.031 0.1 % SM2540G 7 Days

Specific Gravity SPECGRAVITY 28 Total 0.031 0.1 g/cm3 SM2710F

Chloride 16887-00-6 Total 1.9 6 mg/Kg dw SM4500Cl-E 28 Days

Cyanide (Total) 57-12-5 Total 0.079 0.25 mg/Kg dw SW846 9010 14 Days

Total 0.079 0.25 mg/Kg dw SW846 9012 14 Days

Sulfide 18496-25-8 Total 7.9 25 mg/Kg dw SW846 9030 7 Days

Total 0.063 0.2 mg/Kg dw SW846 9034 7 Days

Sulfate 14808-79-8 Total 10 32 mg/Kg dw SW846 9036 28 Days

Total 1.6 5 mg/Kg dw SW846 9038 28 Days

Sulfide, Acid Volatile E-AVS 28, [[30]](#footnote-30) SEM 29 6 19 mg/Kg dw USEPA91 7 Days

Grain size analysis GRAINSIZE 28 Total 0.31 1 % USGS '77

Specific Gravity SPECGRAVITY 28 Total 0.031 0.1 g/cm3 USGS '77

**Metals** **Sediment**

Tin (as Tributyl Tin) 688-73-3 Total 3.1 10 µg/Kg dw Battelle

Aluminum 7429-90-5 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Antimony 7440-36-0 SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Barium 7440-39-3 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Beryllium 7440-41-7 Total 0.47 1.5 mg/Kg dw EPA 200.7 6 Months

Boron 7440-42-8 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

**Metals Sediment**

Cadmium 7440-43-9 SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 0.31 1 mg/Kg dw EPA 200.7 6 Months

Calcium 7440-70-2 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Chromium 7440-47-3 SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Cobalt 7440-48-4 Total 22 70 mg/Kg dw EPA 200.7 6 Months

Copper 7440-50-8 Dissolved 0.63 2 mg/Kg dw EPA 200.7 6 Months

SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 0.63 2 mg/Kg dw EPA 200.7 6 Months

Iron 7439-89-6 Dissolved 0.31 1 mg/Kg dw EPA 200.7 6 Months

Total 0.31 1 mg/Kg dw EPA 200.7 6 Months

Lead 7439-92-1 SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 4.7 15 mg/Kg dw EPA 200.7 6 Months

Magnesium 7439-95-4 Total 9.4 30 mg/Kg dw EPA 200.7 6 Months

Manganese 7439-96-5 Dissolved 0.63 2 mg/Kg dw EPA 200.7 6 Months

Total 0.63 2 mg/Kg dw EPA 200.7 6 Months

Mercury 7439-97-6 SEM 29 0.016 0.05 mg/Kg dw EPA 200.7 28 Days

Molybdenum 7439-98-7 Total 2.5 8 mg/Kg dw EPA 200.7 6 Months

Nickel 7440-02-0 SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 4.7 15 mg/Kg dw EPA 200.7 6 Months

Potassium 7440-09-7 Total 31 100 mg/Kg dw EPA 200.7 6 Months

Silver 7440-22-4 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Sodium 7440-23-5 Total 3.1 10 mg/Kg dw EPA 200.7 6 Months

Thallium 7440-28-0 Total 13 40 mg/Kg dw EPA 200.7 6 Months

Vanadium 7440-62-2 Total 1.6 5 mg/Kg dw EPA 200.7 6 Months

Zinc 7440-66-6 Dissolved 0.31 1 mg/Kg dw EPA 200.7 6 Months

SEM 29 0.16 0.5 mg/Kg dw EPA 200.7 6 Months

Total 0.31 1 mg/Kg dw EPA 200.7 6 Months

Aluminum 7429-90-5 Total 0.47 1.5 mg/Kg dw EPA 200.8 6 Months

Antimony 7440-36-0 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Arsenic 7440-38-2 Total 0.63 2 mg/Kg dw EPA 200.8 6 Months

Barium 7440-39-3 Total 0.47 1.5 mg/Kg dw EPA 200.8 6 Months

Beryllium 7440-41-7 Total 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Cadmium 7440-43-9 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Chromium 7440-47-3 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.47 1.5 mg/Kg dw EPA 200.8 6 Months

Cobalt 7440-48-4 Total 0.063 0.2 mg/Kg dw EPA 200.8 6 Months

Copper 7440-50-8 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Lead 7439-92-1 Dissolved 0.016 0.05 mg/Kg dw EPA 200.8 6 Months

SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Manganese 7439-96-5 Dissolved 0.063 0.2 mg/Kg dw EPA 200.8 6 Months

Total 0.063 0.2 mg/Kg dw EPA 200.8 6 Months

Molybdenum 7439-98-7 Total 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Nickel 7440-02-0 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Selenium 7782-49-2 Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Silver 7440-22-4 Total 0.063 0.2 mg/Kg dw EPA 200.8 6 Months

Thallium 7440-28-0 Total 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Vanadium 7440-62-2 Total 1 3.2 mg/Kg dw EPA 200.8 6 Months

Zinc 7440-66-6 SEM 29 0.16 0.5 mg/Kg dw EPA 200.8 6 Months

Total 0.31 1 mg/Kg dw EPA 200.8 6 Months

Nickel 7440-02-0 Total 0.079 0.25 mg/Kg dw EPA 200.9 6 Months

Antimony 7440-36-0 SEM 29 0.16 0.5 mg/Kg dw EPA 204.2 6 Months

Cadmium 7440-43-9 SEM 29 0.0031 0.01 mg/Kg dw EPA 213.2 6 Months

Chromium 7440-47-3 SEM 29 0.031 0.1 mg/Kg dw EPA 218.2 6 Months

Chromium, Hexavalent 18540-29-9 Total 3.1 10 mg/Kg dw EPA 218.4 24 Hours

**Metals Sediment**

Copper 7440-50-8 SEM 29 0.031 0.1 mg/Kg dw EPA 220.2 6 Months

Lead 7439-92-1 Dissolved 1.6 5 mg/Kg dw EPA 239.2 6 Months

SEM 29 0.031 0.1 mg/Kg dw EPA 239.2 6 Months

Total 1.6 5 mg/Kg dw EPA 239.2 6 Months

Mercury 7439-97-6 SEM 29 0.016 0.05 mg/Kg dw EPA 245.1 28 Days

Total 0.063 0.2 mg/Kg dw EPA 245.1 28 Days

Total 0.063 0.2 mg/Kg dw EPA 245.2 28 Days

Total 0.063 0.2 mg/Kg dw EPA 245.5 28 Days

Nickel 7440-02-0 Total 0.079 0.25 mg/Kg dw EPA 249.1 6 Months

SEM 29 0.031 0.1 mg/Kg dw EPA 249.2 6 Months

Total 0.079 0.25 mg/Kg dw EPA 249.2 6 Months

Titanium 7440-32-6 Total 31 100 mg/Kg dw EPA 283.2 6 Months

Zinc 7440-66-6 SEM 29 0.0031 0.01 mg/Kg dw EPA 289.2 6 Months

Aluminum 7429-90-5 Total 0.94 3 mg/Kg dw SW846 6010 6 Months

Antimony 7440-36-0 Total 0.63 2 mg/Kg dw SW846 6010 6 Months

Arsenic 7440-38-2 Total 0.63 2 mg/Kg dw SW846 6010 6 Months

Barium 7440-39-3 Total 0.063 0.2 mg/Kg dw SW846 6010 6 Months

Beryllium 7440-41-7 Total 0.031 0.1 mg/Kg dw SW846 6010 6 Months

Cadmium 7440-43-9 SEM 29 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Total 0.063 0.2 mg/Kg dw SW846 6010 6 Months

Calcium 7440-70-2 Total 0.63 2 mg/Kg dw SW846 6010 6 Months

Chromium 7440-47-3 Total 0.25 0.8 mg/Kg dw SW846 6010 6 Months

Cobalt 7440-48-4 Total 0.13 0.4 mg/Kg dw SW846 6010 6 Months

Copper 7440-50-8 SEM 29 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Total 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Iron 7439-89-6 Total 1.9 6 mg/Kg dw SW846 6010 6 Months

Lead 7439-92-1 SEM 29 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Total 0.63 2 mg/Kg dw SW846 6010 6 Months

Magnesium 7439-95-4 Total 0.94 3 mg/Kg dw SW846 6010 6 Months

Manganese 7439-96-5 Total 0.063 0.2 mg/Kg dw SW846 6010 6 Months

Mercury 7439-97-6 SEM 29 0.016 0.05 mg/Kg dw SW846 6010 28 Days

Molybdenum 7439-98-7 Total 2.5 8 mg/Kg dw SW846 6010 6 Months

Nickel 7440-02-0 SEM 29 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Total 4.7 15 mg/Kg dw SW846 6010 6 Months

Potassium 7440-09-7 Total 19 60 mg/Kg dw SW846 6010 6 Months

Selenium 7782-49-2 Total 1.6 5 mg/Kg dw SW846 6010 6 Months

SEM 29 SEM 28 SEM 0.31 1 mg/Kg dw SW846 6010 6 Months

SEM/AVS 29 SEM/AVS 28 SEM 0.0031 0.01 Ratio SW846 6010 6 Months

Silver 7440-22-4 Total 0.094 0.3 mg/Kg dw SW846 6010 6 Months

Sodium 7440-23-5 Total 1.9 6 mg/Kg dw SW846 6010 6 Months

Thallium 7440-28-0 Total 0.063 0.2 mg/Kg dw SW846 6010 6 Months

Vanadium 7440-62-2 Total 0.31 1 mg/Kg dw SW846 6010 6 Months

Zinc 7440-66-6 Dissolved 0.31 1 mg/Kg dw SW846 6010 6 Months

SEM 29 0.16 0.5 mg/Kg dw SW846 6010 6 Months

Total 0.31 1 mg/Kg dw SW846 6010 6 Months

Aluminum 7429-90-5 Total 0.47 1.5 mg/Kg dw SW846 6020 6 Months

Antimony 7440-36-0 Total 0.31 1 mg/Kg dw SW846 6020 6 Months

Arsenic 7440-38-2 SEM 29 0.63 2 mg/Kg dw SW846 6020 6 Months

Total 0.63 2 mg/Kg dw SW846 6020 6 Months

Barium 7440-39-3 Total 0.47 1.5 mg/Kg dw SW846 6020 6 Months

Beryllium 7440-41-7 Total 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Cadmium 7440-43-9 SEM 29 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

Calcium 7440-70-2 Total 1.6 5 mg/Kg dw SW846 6020 6 Months

Chromium 7440-47-3 Total 0.47 1.5 mg/Kg dw SW846 6020 6 Months

Cobalt 7440-48-4 Total 0.063 0.2 mg/Kg dw SW846 6020 6 Months

Copper 7440-50-8 SEM 29 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

Iron 7439-89-6 Total 1.6 5 mg/Kg dw SW846 6020 6 Months

Lead 7439-92-1 SEM 29 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

Magnesium 7439-95-4 Total 0.94 3 mg/Kg dw SW846 6020 6 Months

Manganese 7439-96-5 Total 0.063 0.2 mg/Kg dw SW846 6020 6 Months

Mercury 7439-97-6 Total 0.31 1 mg/Kg dw SW846 6020 28 Days

Nickel 7440-02-0 SEM 29 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

**Metals** **Sediment**

Potassium 7440-09-7 Total 19 60 mg/Kg dw SW846 6020 6 Months

Selenium 7782-49-2 SEM 29 0.31 1 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

SEM 29 SEM 28 SEM 0.31 1 µg/Kg dw SW846 6020 6 Months

Silver 7440-22-4 Total 0.063 0.2 mg/Kg dw SW846 6020 6 Months

Sodium 7440-23-5 Total 1.9 6 mg/Kg dw SW846 6020 6 Months

Thallium 7440-28-0 Total 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Vanadium 7440-62-2 Total 1 3.2 mg/Kg dw SW846 6020 6 Months

Zinc 7440-66-6 SEM 29 0.16 0.5 mg/Kg dw SW846 6020 6 Months

Total 0.31 1 mg/Kg dw SW846 6020 6 Months

Antimony 7440-36-0 Total 0.31 1 mg/Kg dw SW846 7041 6 Months

Arsenic 7440-38-2 Total 0.31 1 mg/Kg dw SW846 7060A 6 Months

Cadmium 7440-43-9 Total 0.31 1 mg/Kg dw SW846 7131A 6 Months

Chromium 7440-47-3 Total 1.6 5 mg/Kg dw SW846 7191 6 Months

Copper 7440-50-8 Dissolved 0.63 2 mg/Kg dw SW846 7211 6 Months

Total 0.63 2 mg/Kg dw SW846 7211 6 Months

Cobalt 7440-48-4 Total 22 70 mg/Kg dw SW846 7421 6 Months

Mercury 7439-97-6 SEM 29  0.063 0.2 mg/Kg dw SW846 7470A 28 Days

SEM 29 0.063 0.2 mg/Kg dw SW846 7471A 28 Days

Total 0.063 0.2 mg/Kg dw SW846 7471A 28 Days

Nickel 7440-02-0 Total 0.079 0.25 mg/Kg dw SW846 7521 6 Months

Selenium 7782-49-2 Total 0.31 1 mg/Kg dw SW846 7740 6 Months

Silver 7440-22-4 Total 3.1 10 mg/Kg dw SW846 7761 6 Months

Thallium 7440-28-0 Total 13 40 mg/Kg dw SW846 7841 6 Months

SEM/AVS SEM/AVS 28 SEM 29 0.0031 0.01 Ratio USEPA91 6 Months

**Nutrients** **Sediment**

Nitrogen, Ammonia 7664-41-7 Total 3.5 11 mg/Kg dw EPA 350.1 28 Days

Total 3.5 11 mg/Kg dw EPA 350.3 28 Days

TKN E-10264 28 Total 2 6.3 mg/Kg dw EPA 351.2 28 Days

Total 2 6.3 mg/Kg dw EPA 351.4 28 Days

Nitrogen, Nitrate+Nitrite E-10128 28 Total 0.041 0.13 mg/Kg dw EPA 353.2 28 Days

Phosphorus, Total 7723-14-0 Total 1 3.2 mg/Kg dw EPA 365.1 28 Days

Total 1 3.2 mg/Kg dw EPA 365.2 28 Days

COD E-10117 28 Total 1.6 5 mg/Kg dw EPA 410.4M 28 Days

TKN E-10264 28 Total 2 6.3 mg/Kg dw SM4500N(Org)-B 28 Days

Nitrogen, Ammonia 7664-41-7 Total 3.5 11 mg/Kg dw SM4500NH3-D 28 Days

TOC E-10195 28 Total 0.031 0.1 mg/Kg dw SM5310 28 Days

Total 0.031 0.1 % SW846 9060 28 Days

Total 0.031 0.1 % Walkey-Black 28 Days

**PCBs** **Sediment**

Aroclor-1016 12674-11-2 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1221 11104-28-2 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1232 11141-16-5 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1242 53469-21-9 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1248 12672-29-6 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1254 11097-69-1 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1260 11096-82-5 Total 16 50 µg/Kg dw EPA 1668 12 Months

Aroclor-1264 Aroclor-1264 28 Total 16 50 µg/Kg dw EPA 1668 12 Months

2,2',3,3',4,4' hexaCB 38380-07-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,3',4,4',5,5',6 nonaCB 40186-72-9 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,3',4,4',5,6 octaCB 52663-78-2 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4,4',5' hexaCB 35065-28-2 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4,4',5,5' heptaCB 35065-29-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,3’,4,4',5 heptaCB 35065-30-6 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4,4',5',6 heptaCB 52663-69-1 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4,4',6,6' heptaCB 74472-48-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4',5 pentaCB 68194-07-0 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4,5' pentaCB 38380-02-8 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,4',5,5',6 heptaCB 52663-68-0 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,5' tetraCB 41464-39-5 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',3,5,5',6 hexaCB 52663-63-5 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',4,4',5,5' hexaCB 35065-27-1 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',4,5' tetraCB 41464-40-8 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

**PCBs** **Sediment**

2,2',4,5,5' pentaCB 37680-73-2 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',5 triCB 37680-65-2 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,2',5,5' tetraCB 35693-99-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3,3',4,4' pentaCB 32598-14-4 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3,3',4,4',5 hexaCB 38380-08-4 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3,3',4,4',5' hexaCB 69782-90-7 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3,3',4,4',5,5' heptaCB 39635-31-9 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3,3',4,4',6 hexaCB 74472-42-7 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4,4' tetraCB 32598-10-0 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2',3,4,4',5 pentaCB 65510-44-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4,4',5 pentaCB 31508-00-6 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4,4',5,5' hexaCB 52663-72-6 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4,4',5',6 hexaCB 59291-65-5 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4,4',6 pentaCB 56558-17-9 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,3',4',5 tetraCB 32598-11-1 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,4' diCB 34883-43-7 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,4,4' triCB 7012-37-5 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

2,4,4',5 tetraCB 32690-93-0 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

3,3',4,4' tetraCB 32598-13-3 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

3,3',4,4',5 pentaCB 57465-28-8 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

3,3',4,4',5,5' hexaCB 32774-16-6 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

3,4,4' triCB 38444-90-5 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

3,4,4',5 tetraCB 70362-50-4 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

Aroclor-1016 12674-11-2 Total 25 80 µg/Kg dw SW846 8080 14 Days

Aroclor-1221 11104-28-2 Total 25 80 µg/Kg dw SW846 8080 14 Days

Aroclor-1232 11141-16-5 Total 25 80 µg/Kg dw SW846 8080 14 Days

Aroclor-1242 53469-21-9 Total 25 80 µg/Kg dw SW846 8080 14 Days

Aroclor-1248 12672-29-6 Total 25 80 µg/Kg dw SW846 8080 14 Days

Aroclor-1254 11097-69-1 Total 50 160 µg/Kg dw SW846 8080 14 Days

Aroclor-1260 11096-82-5 Total 50 160 µg/Kg dw SW846 8080 14 Days

Aroclor-1262 37324-23-5 Total 16 50 µg/Kg dw SW846 8080 14 Days

Aroclor-1264 Aroclor-1264 28 Total 16 50 µg/Kg dw SW846 8080 14 Days

Decachlorobiphenyl (surr.) 2051-24-3 Total 0.31 1 %Recov SW846 8080 14 Days

PCB 200 40186-71-8 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

PeCB, 2,3,4,4',5- 74472-37-0 Total 3.1 10 ng/Kg dw SW846 8080 14 Days

Total PCBs 1336-36-3 Total 16 50 µg/Kg dw SW846 8080 14 Days

Aroclor-1264 Aroclor-1264 28 Total 16 50 µg/Kg dw SW846 8081 14 Days

Decachlorobiphenyl (surr.) 2051-24-3 Total 0.31 1 %Recov SW846 8081 14 Days

2,2',3,3',4,4' hexaCB 38380-07-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,3',4,4',5,5',6 nonaCB 40186-72-9 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,3',4,4',5,6 octaCB 52663-78-2 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4,4',5' hexaCB 35065-28-2 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4,4',5,5' heptaCB 35065-29-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

35065-30-6 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4,4',5',6 heptaCB 52663-69-1 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4,4',6,6' heptaCB 74472-48-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4',5 pentaCB 68194-07-0 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4,5' pentaCB 38380-02-8 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,4',5,5',6 heptaCB 52663-68-0 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,5' tetraCB 41464-39-5 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',3,5,5',6 hexaCB 52663-63-5 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',4,4',5,5' hexaCB 35065-27-1 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',4,5' tetraCB 41464-40-8 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',4,5,5' pentaCB 37680-73-2 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',5 triCB 37680-65-2 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,2',5,5' tetraCB 35693-99-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3,3',4,4' pentaCB 32598-14-4 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3,3',4,4',5 hexaCB 38380-08-4 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3,3',4,4',5' hexaCB 69782-90-7 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3,3',4,4',5,5' heptaCB 39635-31-9 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3,3',4,4',6 hexaCB 74472-42-7 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3',4,4' tetraCB 32598-10-0 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2',3,4,4',5 pentaCB 65510-44-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3',4,4',5 pentaCB 31508-00-6 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3',4,4',5,5' hexaCB 52663-72-6 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3',4,4',5',6 hexaCB 59291-65-5 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

**PCBs** **Sediment**

2,3',4,4',6 pentaCB 56558-17-9 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,3',4',5 tetraCB 32598-11-1 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,4' diCB 34883-43-7 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,4,4' triCB 7012-37-5 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

2,4,4',5 tetraCB 32690-93-0 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

3,3',4,4' tetraCB 32598-13-3 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

3,3',4,4',5 pentaCB 57465-28-8 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

3,3',4,4',5,5' hexaCB 32774-16-6 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

3,4,4' triCB 38444-90-5 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

3,4,4',5 tetraCB 70362-50-4 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

Aroclor-1016 12674-11-2 Total 25 80 µg/Kg dw SW846 8082 14 Days

Aroclor-1221 11104-28-2 Total 25 80 µg/Kg dw SW846 8082 14 Days

Aroclor-1232 11141-16-5 Total 25 80 µg/Kg dw SW846 8082 14 Days

Aroclor-1242 53469-21-9 Total 25 80 µg/Kg dw SW846 8082 14 Days

Aroclor-1248 12672-29-6 Total 25 80 µg/Kg dw SW846 8082 14 Days

Aroclor-1254 11097-69-1 Total 50 160 µg/Kg dw SW846 8082 14 Days

Aroclor-1260 11096-82-5 Total 50 160 µg/Kg dw SW846 8082 14 Days

Aroclor-1262 37324-23-5 Total 16 50 µg/Kg dw SW846 8082 14 Days

Decachlorobiphenyl (surr.) 2051-24-3 Total 0.31 1 %Recov SW846 8082 14 Days

PCB 200 40186-71-8 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

PeCB, 2,3,4,4',5- 74472-37-0 Total 3.1 10 ng/Kg dw SW846 8082 14 Days

**Pesticides** **Sediment**

2,4'-DDD 53-19-0 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

2,4'-DDE 3424-82-6 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

2,4'-DDT 789-02-6 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

4,4'-DDD 72-54-8 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

4,4'-DDE 72-55-9 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

4,4'-DDT 50-29-3 Total 0.63 2 µg/Kg dw SW846 8080 14 Days

Aldrin 309-00-2 Total 2.5 8 µg/Kg dw SW846 8080 14 Days

Alpha-BHC 319-84-6 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Beta-BHC 319-85-7 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Chlordane, Alpha- 5103-71-9 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Chlordane, Gamma- 5103-74-2 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Chlordane, Total 57-74-9 Total 6.3 20 mg/Kg dw SW846 8080 14 Days

Delta-BHC 319-86-8 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Dieldrin 60-57-1 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Endosulfan I 959-98-8 Total 3.1 10 µg/Kg dw SW846 8080 14 Days

Endosulfan II 33213-65-9 Total 3.1 10 µg/Kg dw SW846 8080 14 Days

Endosulfan Sulfate 1031-07-8 Total 3.1 10 µg/Kg dw SW846 8080 14 Days

Endrin 72-20-8 Total 3.1 10 µg/Kg dw SW846 8080 14 Days

Endrin Aldehyde 7421-93-4 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Endrin Ketone 53494-70-5 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Heptachlor 76-44-8 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Heptachlor Epoxide 1024-57-3 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

Lindane 58-89-9 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Methoxychlor 72-43-5 Total 3.1 10 µg/Kg dw SW846 8080 14 Days

Nonachlor, cis- 5103-73-1 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Oxychlordane 27304-13-8 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

Toxaphene 8001-35-2 Total 16 50 µg/Kg dw SW846 8080 14 Days

trans-Nonachlor 39765-80-5 Total 0.31 1 µg/Kg dw SW846 8080 14 Days

2,4'-DDD 53-19-0 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

2,4'-DDE 3424-82-6 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

2,4'-DDT 789-02-6 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

4,4'-DDD 72-54-8 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

4,4'-DDE 72-55-9 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

4,4'-DDT 50-29-3 Total 0.63 2 µg/Kg dw SW846 8081 14 Days

Aldrin 309-00-2 Total 2.5 8 µg/Kg dw SW846 8081 14 Days

Alpha-BHC 319-84-6 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Beta-BHC 319-85-7 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Chlordane, Alpha- 5103-71-9 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Chlordane, Gamma- 5103-74-2 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Chlordane, Total 57-74-9 Total 6.3 20 mg/Kg dw SW846 8081 14 Days

Delta-BHC 319-86-8 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Dieldrin 60-57-1 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

**Pesticides** **Sediment**

Endosulfan I 959-98-8 Total 3.1 10 µg/Kg dw SW846 8081 14 Days

Endosulfan II 33213-65-9 Total 3.1 10 µg/Kg dw SW846 8081 14 Days

Endosulfan Sulfate 1031-07-8 Total 3.1 10 µg/Kg dw SW846 8081 14 Days

Endrin 72-20-8 Total 3.1 10 µg/Kg dw SW846 8081 14 Days

Endrin Aldehyde 7421-93-4 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Endrin Ketone 53494-70-5 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Heptachlor 76-44-8 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Heptachlor Epoxide 1024-57-3 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

Lindane 58-89-9 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Methoxychlor 72-43-5 Total 3.1 10 µg/Kg dw SW846 8081 14 Days

Nonachlor, cis- 5103-73-1 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Oxychlordane 27304-13-8 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Toxaphene 8001-35-2 Total 16 50 µg/Kg dw SW846 8081 14 Days

trans-Nonachlor 39765-80-5 Total 0.31 1 µg/Kg dw SW846 8081 14 Days

Azinphos-methyl 86-50-0 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Carbaryl 63-25-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Carbophenothion 786-19-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

Chlorfenvinphos 470-90-6 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Chlorobenzilate 510-15-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

Coumaphos 56-72-4 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Crotoxyphos 7700-17-6 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Demeton-O 298-03-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dichlorvos 62-73-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dinoseb 88-85-7 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Ethion 563-12-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Fenthion 55-38-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

Leptophos 21609-90-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Malathion 121-75-5 Total 1000 3300 µg/Kg dw SW846 8270 14 Days

Methoxychlor 72-43-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Methyl Paraoxon 950-35-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

Monocrotophos 6923-22-4 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Naled 300-76-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Terbufos 13071-79-9 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Thionazin 297-97-2 Total 420 1320 µg/Kg dw SW846 8270 14 Days

**Polynuclear Aromatic Hydrocarbons** **Sediment**

Naphthalene 91-20-3 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1-Methylnaphthalene 90-12-0 Total 63 200 µg/Kg dw SW846 8270 14 Days

2-Chloronaphthalene 91-58-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Fluorobiphenyl (Surrogate) 321-60-8 Total 0.31 1 %Recov SW846 8270 14 Days

2-Methylnaphthalene 91-57-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

5-Nitroacenaphthene 602-87-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

7,12-Dimethylbenz(a)-anthracene 57-97-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

Acenaphthene 83-32-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

Acenaphthene-d10 (IS) 15067-26-2 Total 0.31 1 %Recov SW846 8270 14 Days

Acenaphthylene 208-96-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

Anthracene 120-12-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzo[a]anthracene 56-55-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzo[a]pyrene 50-32-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzo[b]fluoranthene 205-99-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzo[g,h,i]perylene 191-24-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzo[k]fluoranthene 207-08-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

Chrysene 218-01-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dibenzo[a,e]pyrene 192-65-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dibenzo[a,h]anthracene 53-70-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Fluoranthene 206-44-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Fluorene 86-73-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Methylnaphthalene 1321-94-4 Total 16 50 µg/Kg dw SW846 8270 14 Days

Naphthalene 91-20-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Nitrobenzene-d5 (Surrogate) 4165-60-0 Total 0.31 1 %Recov SW846 8270 14 Days

Phenanthrene 85-01-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

Phenanthrene-d10 (IS) 1517-22-2 Total 0.31 1 %Recov SW846 8270 14 Days

Phenol-d6 (Surrogate) 13127-88-3 Total 0.31 1 %Recov SW846 8270 14 Days

p-Terphenyl-d14 (Surrogate) 1718-51-0 Total 0.31 1 %Recov SW846 8270 14 Days

**Polynuclear Aromatic Hydrocarbons** **Sediment**

Pyrene 129-00-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

1-Methylnaphthalene 90-12-0 Total 5 16 µg/Kg dw SW846 8310 14 Days

2-Methylnaphthalene 91-57-6 Total 5 16 µg/Kg dw SW846 8310 14 Days

9,10-Diphenylanthracene 1499-10-1 Total 5 16 µg/Kg dw SW846 8310 14 Days

Acenaphthene 83-32-9 Total 10 33 µg/Kg dw SW846 8310 14 Days

Acenaphthylene 208-96-8 Total 21 67 µg/Kg dw SW846 8310 14 Days

Anthracene 120-12-7 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Benzo[a]anthracene 56-55-3 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Benzo[a]pyrene 50-32-8 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Benzo[b]fluoranthene 205-99-2 Total 2.1 6.7 µg/Kg dw SW846 8310 14 Days

Benzo[g,h,i]perylene 191-24-2 Total 2.1 6.7 µg/Kg dw SW846 8310 14 Days

Benzo[k]fluoranthene 207-08-9 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Chrysene 218-01-9 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Dibenzo[a,h]anthracene 53-70-3 Total 2.1 6.7 µg/Kg dw SW846 8310 14 Days

Fluoranthene 206-44-0 Total 1.6 5 µg/Kg dw SW846 8310 14 Days

Fluorene 86-73-7 Total 2.1 6.7 µg/Kg dw SW846 8310 14 Days

Indeno[1,2,3-cd]pyrene 193-39-5 Total 2.1 6.7 µg/Kg dw SW846 8310 14 Days

Methylnaphthalene 1321-94-4 Total 16 50 µg/Kg dw SW846 8310 14 Days

Naphthalene 91-20-3 Total 10 33 µg/Kg dw SW846 8310 14 Days

Phenanthrene 85-01-8 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

Pyrene 129-00-0 Total 1 3.3 µg/Kg dw SW846 8310 14 Days

**Semi-Volatile Organics** **Sediment**

Benzyl Alcohol 100-51-6 Total 100 330 µg/Kg dw ISDH 14 Days

Hexachlorobenzene 118-74-1 Total 1.6 5 µg/Kg dw SW846 8080 14 Days

PCP methyl ether 1825-21-4 Total 6.3 20 µg/Kg dw SW846 8080 14 Days

Tetrachloro-m-xylene (Surrogate) 877-09-8 Total 0.31 1 %Recov SW846 8080 14 Days

Hexachlorobenzene 118-74-1 Total 1.6 5 µg/Kg dw SW846 8081 14 Days

PCP methyl ether 1825-21-4 Total 6.3 20 µg/Kg dw SW846 8081 14 Days

Tetrachloro-m-xylene (Surrogate) 877-09-8 Total 0.31 1 %Recov SW846 8081 14 Days

Total 0.31 1 %Recov SW846 8082 14 Days

1,3-Dichlorobenzene 541-73-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2-Dinitrobenzene 528-29-0 Total 830 2640 µg/Kg dw SW846 8270 14 Days

1,3,5-Trinitrobenzene 99-35-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

1,3-Dichlorobenzene 541-73-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

1,3-Dinitrobenzene 99-65-0 Total 420 1320 µg/Kg dw SW846 8270 14 Days

1,4-Dichlorobenzene-d4 (IS) 3855-82-1 Total 0.31 1 %Recov SW846 8270 14 Days

1,4-Dinitrobenzene 100-25-4 Total 830 2640 µg/Kg dw SW846 8270 14 Days

1,4-Naphthoquinone 130-15-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

1,4-Phenylenediamine 106-50-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

1-Acetyl-2-thiourea 591-08-2 Total 21000 66000 µg/Kg dw SW846 8270 14 Days

1-Naphthylamine 134-32-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,3,4,6-Tetrachlorophenol 58-90-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4,5-Trichlorophenol 95-95-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4,5-Trimethylaniline 137-17-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4,6-Tribromophenol (Surrogate) 118-79-6 Total 0.31 1 %Recov SW846 8270 14 Days

2,4-Diaminotoluene 95-80-7 Total 420 1320 µg/Kg dw SW846 8270 14 Days

2,4-Dichlorophenol 120-83-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4-Dimethylphenol 105-67-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4-Dinitrophenol 51-28-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,4-Dinitrotoluene 121-14-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,5-Dimethylheptane 2216-30-0 Total µg/Kg dw SW846 8270 14 Days

2,6-Dichlorophenol 87-65-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

2,6-Dinitrotoluene 606-20-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Acetylaminofluorene 53-96-3 Total 420 1320 µg/Kg dw SW846 8270 14 Days

2-Aminoanthraquinone 117-79-3 Total 420 1320 µg/Kg dw SW846 8270 14 Days

2-Chlorophenol 95-57-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Cyclohexyl-4,6-dinitro-phenol 131-89-5 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

2-Fluorophenol (Surrogate) 367-12-4 Total 0.31 1 %Recov SW846 8270 14 Days

2-Methyl-4,6-Dinitrophenol 534-52-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Methylphenol 95-48-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Naphthylamine 91-59-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Nitroaniline 88-74-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-Nitrophenol 88-75-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

2-picoline 109-06-8 Total 100 330 µg/Kg dw SW846 8270 14 Days

**Semi-Volatile Organics** **Sediment**

3,3'-Dichlorobenzidine 91-94-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

3,3'-Dimethoxybenzidine 119-90-4 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

3,3'-Dimethylbenzidine 119-93-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

3-Methylcholanthrene 56-49-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

3-Methylphenol 108-39-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

3-Nitroaniline 99-09-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

3-Picolyl chloride hydrochloride 6959-48-4 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

4,4'-Oxydianiline 101-80-4 Total 420 1320 µg/Kg dw SW846 8270 14 Days

4,7,7-trimethylbicyclo[3.1.1]hept-3-ene 80-56-8 Total µg/Kg dw SW846 8270 14 Days

4-Aminobiphenyl 92-67-1 Total 420 1320 µg/Kg dw SW846 8270 14 Days

4-Bromophenyl Phenyl Ether 101-55-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Chloro-3-methylphenol 59-50-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Chloroaniline 106-47-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Chlorophenyl Phenyl Ether 7005-72-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Hydroxy-4-methyl-2-pentanone 123-42-2 Total µg/Kg dw SW846 8270 14 Days

4-Methylphenol 106-44-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Nitroaniline 100-01-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Nitrobiphenyl 92-93-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

4-Nitrophenol 100-02-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

5,5-Diphenylhydantoin 57-41-0 Total 420 1320 µg/Kg dw SW846 8270 14 Days

5-Chloro-2-methylaniline 95-79-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

5-Hexen-2-one 109-49-9 Total µg/Kg dw SW846 8270 14 Days

5-Nitro-o-anisidine 99-59-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

5-Nitro-o-toluidine 99-55-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

9-Hexadecenoic acid 2091-29-4 Total µg/Kg dw SW846 8270 14 Days

Acetophenone 98-86-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Aminoazobenzene 60-09-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Anilazine 101-05-3 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Aniline 62-53-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Anthracene-9,10-dione 84-65-1 Total µg/Kg dw SW846 8270 14 Days

Aramite 140-57-8 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Barban 101-27-9 Total 4200 13200 µg/Kg dw SW846 8270 14 Days

Benzidine 92-87-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzoic Acid 65-85-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Benzyl Alcohol 100-51-6 Total 100 330 µg/Kg dw SW846 8270 14 Days

Benzyl Butyl Phthalate 85-68-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Bis(2-chloroethoxy)Methane 111-91-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Bis(2-chloroethyl)Ether 111-44-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

Bis(2-chloroisopropyl) Ether 108-60-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Bis(2-chloromethyl) Ether 542-88-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Bromoxynil 1689-84-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Butyl Octadecanoate 123-95-5 Total µg/Kg dw SW846 8270 14 Days

Camphene 79-92-5 Total µg/Kg dw SW846 8270 14 Days

Captan 133-06-2 Total 1000 3300 µg/Kg dw SW846 8270 14 Days

Carbazole 86-74-8 Total 16 50 µg/Kg dw SW846 8270 14 Days

Carbofuran 1563-66-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Chrysene-d12 (IS) 1719-03-5 Total 0.31 1 %Recov SW846 8270 14 Days

Cyclohexadecanolide 109-29-5 Total µg/Kg dw SW846 8270 14 Days

DEHP 117-81-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Demeton-S 126-75-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Diallate (cis or trans) 2303-16-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dibenz(a,j)acridine 224-42-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dibenzofuran 132-64-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dicrotophos 141-66-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Diethyl Sulfate 64-67-5 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Diethylphthalate 84-66-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Diethylstilbestrol 56-53-1 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Dimethoate 60-51-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Dimethyl Phthalate 131-11-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dimethylaminoazobenzene 60-11-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Di-n-butyl phthalate 84-74-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Dinitrobenzene (All Isomers) 25154-54-5 Total µg/Kg dw SW846 8270 14 Days

Dinocap 39300-45-3 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Di-n-octyl Phthalate 117-84-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Diphenylhydrazine, 1,2- 122-66-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Disulfoton 298-04-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

**Semi-Volatile Organics** **Sediment**

EPN 2104-64-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Ethyl carbamate 51-79-6 Total 1000 3300 µg/Kg dw SW846 8270 14 Days

Ethyl methanesulfonate 62-50-0 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Famphur 52-85-7 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Fensulfothion 115-90-2 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Fluchloralin 33245-39-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Hexachlorobenzene 118-74-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Hexachlorocyclopentadiene 77-47-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

Hexachloroethane 67-72-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Hexachlorophene 70-30-4 Total 1000 3300 µg/Kg dw SW846 8270 14 Days

Hexachloropropene 1888-71-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Hexamethylphosphoramide 680-31-9 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Isodrin 465-73-6 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Isophorone 78-59-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Isosafrole 120-58-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Kepone 143-50-0 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Mesityl oxide 141-79-7 Total µg/Kg dw SW846 8270 14 Days

Mestranol 72-33-3 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Methapyrilene 91-80-5 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Methyl Methanesulfonate 66-27-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Mevinphos 7786-34-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Mexacarbate 315-18-4 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Mirex 2385-85-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Naphthalene-d8 (IS) 1146-65-2 Total 0.31 1 %Recov SW846 8270 14 Days

N-heptacosane 593-49-7 Total µg/Kg dw SW846 8270 14 Days

n-Heptadecane 629-78-7 Total µg/Kg dw SW846 8270 14 Days

N-hexatriacontane 630-06-8 Total µg/Kg dw SW846 8270 14 Days

Nicotine 54-11-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Nitrobenzene 98-95-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Nitrofen 1836-75-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Nitroquinoline-1-oxide 56-57-5 Total 830 2640 µg/Kg dw SW846 8270 14 Days

N-Nitrosodiethylamine 55-18-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

N-Nitrosodimethylamine 62-75-9 Total 210 660 µg/Kg dw SW846 8270 14 Days

N-Nitrosodi-n-butylamine 924-16-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

N-Nitrosodi-n-propylamine 621-64-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

N-Nitrosodiphenylamine 86-30-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

N-Nitrosopiperidine 100-75-4 Total 420 1320 µg/Kg dw SW846 8270 14 Days

N-Nitrosopyrrolidine 930-55-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

n-Tetradecanoic Acid 544-63-8 Total µg/Kg dw SW846 8270 14 Days

o-Anisidine 90-04-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Octamethyl Pyrophosphoramide 152-16-9 Total 4200 13200 µg/Kg dw SW846 8270 14 Days

o-Toluidine 95-53-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

Palmitic acid 57-10-3 Total µg/Kg dw SW846 8270 14 Days

p-Benzoquinone 106-51-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

PCP methyl ether 1825-21-4 Total 210 660 µg/Kg dw SW846 8270 14 Days

p-Cresidine 120-71-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

Pentachlorobenzene 608-93-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Pentachloronitrobenzene 82-68-8 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Pentachlorophenol 87-86-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Perylene 198-55-0 Total µg/Kg dw SW846 8270 14 Days

Perylene-d12 (IS) 1520-96-3 Total 0.31 1 %Recov SW846 8270 14 Days

Phenacetin 62-44-2 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Phenobarbital 50-06-6 Total 210 660 µg/Kg dw SW846 8270 14 Days

Phenol 108-95-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Phenol-d5 (Surrogate) 4165-62-2 Total 0.31 1 %Recov SW846 8270 14 Days

Phorate 298-02-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Phosalone 2310-17-0 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Phosmet 732-11-6 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Phosphamidon 13171-21-6 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Phthalic Anhydride 85-44-9 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Piperonyl Sulfoxide 120-62-7 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Pronamide 23950-58-5 Total 210 660 µg/Kg dw SW846 8270 14 Days

Propylthiouracil 51-52-5 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Pyridine 110-86-1 Total 100 330 µg/Kg dw SW846 8270 14 Days

Resorcinol 108-46-3 Total 2100 6600 µg/Kg dw SW846 8270 14 Days

Safrole 94-59-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

**Semi-Volatile Organics** **Sediment**

Strychnine 57-24-9 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Sulfallate 95-06-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

TDBPP 126-72-7 Total 4200 13200 µg/Kg dw SW846 8270 14 Days

TEPP 107-49-3 Total 830 2640 µg/Kg dw SW846 8270 14 Days

Tetrachlorobenzene, 1,2,4,5- 95-94-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Tetrachlorophenol 25167-83-3 Total µg/Kg dw SW846 8270 14 Days

Tetrachlorvinphos 961-11-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Thiophenol (Benzenethiol) 108-98-5 Total 420 1320 µg/Kg dw SW846 8270 14 Days

Trichlorophenol, 2,4,6- 88-06-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Triethyleneglycol Monobutyl Ether 143-22-6 Total µg/Kg dw SW846 8270 14 Days

Trifluralin 1582-09-8 Total 210 660 µg/Kg dw SW846 8270 14 Days

Trimethyl Phosphate 512-56-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

Tri-p-tolyl Phosphate 78-32-0 Total 210 660 µg/Kg dw SW846 8270 14 Days

Phenols [4AAP] E-10253 28 Total 1 3.3 mg/Kg dw SW846 9066 28 Days

**Volatile Organics** **Sediment**

1,1,1-Trichloroethane 71-55-6 Total 1.6 5 µg/Kg dw EPA 601 14 Days

1,1,2-Trichloroethane 79-00-5 Total 1.6 5 µg/Kg dw EPA 601 14 Days

1,1-Dichloroethane 75-34-3 Total 1.6 5 µg/Kg dw EPA 601 14 Days

1,1-Dichloroethene 75-35-4 Total 1.6 5 µg/Kg dw EPA 601 14 Days

1,2-Dichloroethane 107-06-2 Total 1.6 5 µg/Kg dw EPA 601 14 Days

1,2-Dichloropropane 78-87-5 Total 1.6 5 µg/Kg dw EPA 601 14 Days

2-Chloroethylvinylether 110-75-8 Total 3.1 10 µg/Kg dw EPA 601 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Bromoform 75-25-2 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Bromomethane 74-83-9 Total 3.1 10 µg/Kg dw EPA 601 14 Days

Carbon Tetrachloride 56-23-5 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Chlorodibromomethane 124-48-1 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Chloroethane 75-00-3 Total 3.1 10 µg/Kg dw EPA 601 14 Days

Chloroform 67-66-3 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Chloromethane 74-87-3 Total 3.1 10 µg/Kg dw EPA 601 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Methylene Chloride 75-09-2 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Tetrachloroethene 127-18-4 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Trichloroethene 79-01-6 Total 1.6 5 µg/Kg dw EPA 601 14 Days

Benzene 71-43-2 Total 1.6 5 µg/Kg dw EPA 602 14 Days

Chlorobenzene 108-90-7 Total 1.6 5 µg/Kg dw EPA 602 14 Days

Ethylbenzene 100-41-4 Total 1.6 5 µg/Kg dw EPA 602 14 Days

Toluene 108-88-3 Total 1.6 5 µg/Kg dw EPA 602 14 Days

1,1,1,2-Tetrachloroethane 630-20-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,1,1-Trichloroethane 71-55-6 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,1,2-Trichloroethane 79-00-5 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,1-Dichloroethane 75-34-3 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,1-Dichloroethene 75-35-4 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,1-Dichloropropene 563-58-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2,3-Trichlorobenzene 87-61-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2,3-Trichloropropane 96-18-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2,4-Trimethylbenzene 95-63-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2-Dibromoethane (EDB) 106-93-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2-Dichlorobenzene 95-50-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2-Dichloroethane 107-06-2 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,2-Dichloropropane 78-87-5 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

1,3,5-Trimethylbenzene 108-67-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,3-Dichloropropane 142-28-9 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,4-dichloro-2-Butene 764-41-0 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,4-Dichlorobenzene 106-46-7 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

2,2-Dichloropropane 594-20-7 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

2-Butanone (MEK) 78-93-3 Total 3.1 10 µg/Kg dw SW846 8260 14 Days

2-Chloroethylvinylether 110-75-8 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

2-Chlorotoluene 95-49-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

2-Hexanone 591-78-6 Total 3.1 10 mg/Kg dw SW846 8260 14 Days

4-Bromofluorobenzene (surr.) 460-00-4 Total 0.31 1 %Recov SW846 8260 14 Days

**Volatile Organics** **Sediment**

4-Chlorotoluene 106-43-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

4-Isopropyltoluene 99-87-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

4-Methyl-2-pentanone 108-10-1 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

Acetone 67-64-1 Total 3.1 10 µg/Kg dw SW846 8260 14 Days

Acrolein 107-02-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Acrylonitrile 107-13-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Benzene 71-43-2 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Bromobenzene 108-86-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Bromochloromethane 74-97-5 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Bromodichloromethane (surr.) 75-27-4 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Bromoform 75-25-2 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Bromomethane 74-83-9 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

Carbon Disulfide 75-15-0 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Carbon Tetrachloride 56-23-5 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Chlorobenzene 108-90-7 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Chlorodibromomethane 124-48-1 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Chloroethane 75-00-3 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

Chloroform 67-66-3 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Chloromethane 74-87-3 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

Dibromo-3-Chloropropane, 1,2 96-12-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dibromofluoromethane (surr.) 1868-53-7 Total 0.31 1 %Recov SW846 8260 14 Days

Dibromomethane 74-95-3 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dichlorodifluoromethane 75-71-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dichloroethene, 1,2- (Total) 540-59-0 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dichloroethene, cis-1,2- 156-59-2 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dichloroethene, trans-1,2- 156-60-5 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Dichloropropene, cis-1.3- 10061-01-5 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Dichloropropene, trans-1,3- 10061-02-6 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Ethyl methacrylate 97-63-2 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Ethylbenzene 100-41-4 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Fuel Oil 68476-34-6 Total 31 100 mg/Kg dw SW846 8260 14 Days

Gasoline 8006-61-9 Total 3.1 10 mg/Kg dw SW846 8260 14 Days

Hexachlorobutadiene 87-68-3 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Isopropylbenzene 98-82-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Methyl Iodide 74-88-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Methylene Chloride 75-09-2 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

MTBE 1634-04-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

n-Butylbenzene 104-51-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

n-Propylbenzene 103-65-1 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

sec-Butylbenzene 135-98-8 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Styrene 100-42-5 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

tert-Butylbenzene 98-06-6 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Tetrachloroethane, 1,1,2,2- 79-34-5 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Tetrachloroethene 127-18-4 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Toluene 108-88-3 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Toluene-d8 (surr.) 2037-26-5 Total 0.31 1 %Recov SW846 8260 14 Days

Trichloroethene 79-01-6 Total 1.9 6 µg/Kg dw SW846 8260 14 Days

Trichlorofluoromethane 75-69-4 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

Vinyl Acetate 108-05-4 Total 3.1 10 µg/Kg dw SW846 8260 14 Days

Vinyl Chloride 75-01-4 Total 3.8 12 µg/Kg dw SW846 8260 14 Days

Xylene, (m- + p-) 0-00-62 [[31]](#footnote-31) Total 0.31 1 µg/Kg dw SW846 8260 14 Days

Xylene, o- 95-47-6 Total 0.31 1 µg/Kg dw SW846 8260 14 Days

Xylenes, Total 1330-20-7 Total 1.6 5 µg/Kg dw SW846 8260 14 Days

1,2,4-Trichlorobenzene 120-82-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

1,2-Dichlorobenzene 95-50-1 Total 210 660 µg/Kg dw SW846 8270 14 Days

1,4-Dichlorobenzene 106-46-7 Total 210 660 µg/Kg dw SW846 8270 14 Days

Hexachlorobutadiene 87-68-3 Total 210 660 µg/Kg dw SW846 8270 14 Days

Parathion 56-38-2 Total 210 660 µg/Kg dw SW846 8270 14 Days

Tetrachlorobenzene 12408-10-5 Total µg/Kg dw SW846 8270 14 Days

**Drinking Water Organics Water**

Benzene 71-43-2 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Carbon Tetrachloride 56-23-5 Dissolved 524.2 0.15 1 ug/L 524.2 Rev 4.1 14 Days

Chlorobenzene 108-90-7 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichlorobenzene, 1,2 95-50-1 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichlorobenzene, 1,4 106-46-7 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichloroethane, 1,2‑ 107-06-2 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichloroethene, 1,1‑ 75-35-4 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichloroethene, cis‑1,2‑ 156-59-2 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichloroethene, trans‑1,2‑ 156-60-5 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Dichloropropane, 1,2 78-87-5 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Ethylbenzene 100-41-4 Dissolved 524.2 0.1 1 ug/L 524.2 Rev 4.1 14 Days

Methylene Chloride 75-09-2 Dissolved 524.2 0.5 0.5 ug/L 524.2 Rev 4.1 14 Days

Styrene 100-42-5 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Tetrachloroethene 127-18-4 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Toluene 108-88-3 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Trichlorobenzene, 1,2,4‑ 120-82-1 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Trichloroethane, 1,1,1‑ 71-55-6 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Trichloroethane, 1,1,2‑ 79-00-5 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Trichloroethene 79-01-6 Dissolved 524.2 0.1 1 ug/L 524.2 Rev 4.1 14 Days

Vinyl Chloride 75-01-4 Dissolved 524.2 0.15 1 ug/L 524.2 Rev 4.1 14 Days

Xylene, m‑ + p- 179601-23-1 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Xylene, o‑ 95-47-6 Dissolved 524.2 0.1 0.5 ug/L 524.2 Rev 4.1 14 Days

Bromodichloromethane 75-27-4 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Bromoform 75-25-2 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Chloroform 67-66-3 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Dibromochloromethane 124-48-1 Dissolved 524.2 0.15 0.5 ug/L 524.2 Rev 4.1 14 Days

Alachlor 15972-60-8 Dissolved 525.2 0.01 0.5 ug/L 525.2, Rev 2.0 14/30 Days

Atrazine (Aatrex) 1912-24-9 Dissolved 525.2 0.01 0.5 ug/L 525.2, Rev 2.0 14/30 Days

Benzo(a)pyrene 50-32-8 Dissolved 525.2 0.015 0.15 ug/L 525.2, Rev 2.0 14/30 Days

BHC, Gamma‑ (Lindane) 58-89-9 Dissolved 525.2 0.015 0.15 ug/L 525.2, Rev 2.0 14/30 Days

Di(2‑ethylhexyl)adipate 103-23-1 Dissolved 525.2 0.1 1 ug/L 525.2, Rev 2.0 14/30 Days

Di(2‑ethylhexyl)phthalate 117-81-7 Dissolved 525.2 0.5 2 ug/L 525.2, Rev 2.0 14/30 Days

Endrin 72-20-8 Dissolved 525.2 0.015 0.15 ug/L 525.2, Rev 2.0 14/30 Days

Heptachlor 76-44-8 Dissolved 525.2 0.01 0.25 ug/L 525.2, Rev 2.0 14/30 Days

Heptachlor Epoxide 1024-57-3 Dissolved 525.2 0.015 0.15 ug/L 525.2, Rev 2.0 14/30 Days

Hexachlorobenzene 118-74-1 Dissolved 525.2 0.01 0.5 ug/L 525.2, Rev 2.0 14/30 Days

Hexachlorocyclopentadiene 77-47-4 Dissolved 525.2 0.1 0.5 ug/L 525.2, Rev 2.0 14/30 Days

Methoxychlor 72-43-5 Dissolved 525.2 0.1 0.5 ug/L 525.2, Rev 2.0 14/30 Days

Pentachlorophenol 87-86-5 Dissolved 525.2 0.1 0.75 ug/L 525.2, Rev 2.0 14/30 Days

Simazine 122-34-9 Dissolved 525.2 0.015 0.5 ug/L 525.2, Rev 2.0 14/30 Days

1. Contract Required Detection Limits (CRQLs) listed are the higher values of laboratory reported Method Detection Limits (MDLs) or method MDLs times a factor of 3.18 as recommended in USEPA wastewater compliance guidance. Typically the resulting values are rounded to number nearest to (1, 2, or 5) x 10n, where n is an integer. CRQLs are equivalent to PQLs, MLs, RLs, or Method Reporting Limits (MRLs) in various methods and EPA guidance documentation. [↑](#footnote-ref-1)
2. “Standard Methods for the Examination of Water and Wastewater,” 23rd Edition, 2017 [↑](#footnote-ref-2)
3. “Methods for Chemical Analysis of Water and Wastes,” March 1983, EPA-600 4-79-020. “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,” SW-846, November 1986, updates and amendments. “Standard Methods for the Examination of water and Wastewater,” 23rd Edition, 2017. [↑](#footnote-ref-3)
4. Non-numeric CAS Numbers / OWQ Identifiers are have been assigned by IDEM/WAPB chemists for parameters which do not have a CAS Number assigned by the Chemical Abstracts Service of the American Chemical Society. [↑](#footnote-ref-4)
5. Samples for Cyanide are iced at 4° C with NaOH for a pH > 12. [↑](#footnote-ref-5)
6. Samples for General Chemistry parameters are iced at 4° C with no other preservative unless otherwise noted. [↑](#footnote-ref-6)
7. Samples for Hardness are preserved with Nitric Acid for a pH < 2 and iced at 4° C (for transportation to the laboratory). Nitric Acid preserved samples can be stored at room temperature. [↑](#footnote-ref-7)
8. pH measured to the value ± 0.10 SU. [↑](#footnote-ref-8)
9. Samples for Dissolved are filtered through a 0.45µm capsule filter in the field, preserved with the required preservative, and iced at 4° (if required). [↑](#footnote-ref-9)
10. Samples for Total Petroleum Hydrocarbons (TPH) are preserved with Hydrochloric Acid for a pH < 2 and iced at 4° C. [↑](#footnote-ref-10)
11. Samples for Sulfide are preserved with 4 drops 2N Zinc Acetate/Liter, NaOH for a pH > 12, and iced at 4° C [↑](#footnote-ref-11)
12. Samples for Metals parameters are preserved with Nitric Acid for a pH < 2 and iced at 4° C (for transportation to the laboratory) unless otherwise noted. Nitric Acid preserved samples can be stored at room temperature. [↑](#footnote-ref-12)
13. Samples for Chromium, Hexavalent (Dissolved) are filtered through a 0.45µm capsule filter in the field, preserved with sodium hydroxide to pH 9 – 9.5, and iced at 4°. Analyze within 24 hours if not preserved in the field. [↑](#footnote-ref-13)
14. Samples for Silica (Molybdate Reactive), Silica (Reactive Dissolved), Silica (Dissolved SiO2) are iced at 4° C with no additional preservative. [↑](#footnote-ref-14)
15. Samples for Chromium, Hexavalent are iced at 4° C with no other preservative. [↑](#footnote-ref-15)
16. Samples for Nutrients parameters are preserved with H2SO4 to pH < 2 and iced at 4° C unless otherwise noted. [↑](#footnote-ref-16)
17. Samples for CBOD5, TBOD5, CBODU and TBODU parameters are iced at 4° C with no other preservative. [↑](#footnote-ref-17)
18. Samples for PCB parameters treated with 0.008% Na2S2O3 (if free or combined chlorine is present) and iced at 4° C unless otherwise noted. [↑](#footnote-ref-18)
19. Samples for Pesticide parameters are treated with 0.008% Na2S2O3 (if free or combined chlorine is present) and iced at 4° C unless otherwise noted. [↑](#footnote-ref-19)
20. Environmental Health Laboratories Broad Spectrum Test Method for 89 pesticides using LC/PDA. [↑](#footnote-ref-20)
21. Samples for Polynuclear Aromatic Hydrocarbons (PAHs) are treated with 0.008% Na2S2O3 (if free or combined chlorine is present)   
    and iced at 4° C unless otherwise noted. [↑](#footnote-ref-21)
22. Samples for Radionuclidesparameters are preserved with Nitric Acid for a pH < 2 and iced at 4° C (for transportation to the laboratory) unless otherwise noted. Nitric Acid preserved samples can be stored at room temperature. [↑](#footnote-ref-22)
23. Samples for Semi-Volatile Organic parameters are treated with 0.008% Na2S2O3 (if free or combined chlorine is present) and iced at 4° C unless otherwise noted. [↑](#footnote-ref-23)
24. Samples for Volatile Organic parameters are collected in two 40mL glass vials, each preserved with HCl to pH < 2, treated with 0.025% Na2S2O3 (if free or combined chlorine is present), and iced at 4° C unless otherwise noted. [↑](#footnote-ref-24)
25. No CAS Number exists for this parameter. CAS Number has been arbitrarily assigned by the ISDH Organics Laboratory. [↑](#footnote-ref-25)
26. Contract Required Detection Limits (CRQLs) listed are the higher values of laboratory reported Method Detection Limits (MDLs) or method MDLs times a factor of 3.18 as recommended in USEPA wastewater compliance guidance. Typically the resulting values are rounded to number nearest to (1, 2, or 5) x 10n, where n is an integer. CRQLs are equivalent to PQLs, MLs, RLs, or Method Reporting Limits (MRLs) in various methods and EPA guidance documentation. [↑](#footnote-ref-26)
27. “Standard Methods for the Examination of Water and Wastewater,” 23rd Edition, 2017 [↑](#footnote-ref-27)
28. “Methods for Chemical Analysis of Water and Wastes,” March 1983, EPA-600 4-79-020. “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,” SW-846, November 1986, updates and amendments. “Standard Methods for the Examination of water and Wastewater,” 23rd Edition, 2017. [↑](#footnote-ref-28)
29. Non-numeric CAS Numbers are have been assigned by IDEM/WAPB chemists for parameters which do not have a CAS Number assigned by the Chemical Abstracts Service of the American Chemical Society. [↑](#footnote-ref-29)
30. SEM parameters (Simultaneously Extractable Metals) based on draft EPA document “Draft Analytical Method for Determination of Acid Volatile Sulfide in Sediment,” H.E. Allen and G. Fu, University of Delaware, December 1991, *EPA/821/R-91/100.* [↑](#footnote-ref-30)
31. No CAS Number exists for this parameter. CAS Number has been arbitrarily assigned by the ISDH Organics Laboratory. [↑](#footnote-ref-31)