ENVIRO-PRO
PROFESSIONAL CORPORATION

December 30, 2015

Mr. Mike Griffin
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031-5613

RE: Semi-Annual Groundwater Sampling Report (8)
North Mecklenburg Landfill – Infill Area
Huntersville, North Carolina
Project No. EP-1442

Dear Mr. Griffin:

Enviro-Pro, P.C. is pleased to submit this report which describes the field sampling activities and summarizes the second 2015 semi-annual sampling and the analytical results for the subject site.

Enviro-Pro appreciates the opportunity to continue to provide our environmental services on your project. Please contact me at (803) 547-4955 if you have any questions concerning this Report or when we can be of further service.

Sincerely,
ENVIRO-PRO, P.C.

Thomas H. Bolyard

Thomas H. Bolyard, P.G.
Senior Hydrogeolgist

cc: Scott Brown, CEC

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No ) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

# Environmental Monitoring Reporting Form

**Notice:** This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

## Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

## Solid Waste Monitoring Data Submittal Information

**Name of entity submitting data (laboratory, consultant, facility owner):**

Enviro-Pro, P.C.

**Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:**

Name: Thomas H. Bolyard, P.G. Phone: (803) 547-4955

E-mail: enviropro@comporium.net

| Facility name: | Facility Address: | Facility Permit # | NC Landfill Rule: (.0500 or .1600) | Actual sampling dates (e.g., October 20-24, 2006) |
|---|---|---|---|---|
| North Mecklenburg C&D Landfill Infill Area | 15300 Holbrooks Road, Huntersville, NC | 60-13 | .0500 | 10/22/15 |

**Environmental Status: (Check all that apply)**

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

**Type of data submitted: (Check all that apply)**

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

**Notification attached?**

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

## Certification

**To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.**

Thomas H. Bolyard, P.G. Senior Hydrogeologist (803) 547-4955

Facility Representative Name (Print) Title (Area Code) Telephone Number

Thomas H. Bolyard 12/30/15

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 492 GEOLOGIST THOMAS H. BOLYARD

Revised 01/2007

# SEMI-ANNUAL MONITORING REPORT (8)

North Mecklenburg Landfill – Infill Area
15300 Holbrooks Road
Huntersville, North Carolina

Prepared for:
Mr. Mike Griffin
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031-5613

Prepared by:
Enviro-Pro, P.C.
2646 Farmlake Lane
Fort Mill, South Carolina 29708

NORTH CAROLINA LICENSED SEAL 492 GEOLOGIST THOMAS H. BOLYARD

Project Number EP-1442

December 30, 2015

**Background Information:**

The first 2013 semi-annual sampling results for this landfill facility conducted on April 25, 2013 indicated the presence of the volatile organic compound (VOC) vinyl chloride in five of the 10 existing monitor wells. As a result of these findings, the North Carolina DENR Solid Waste Section requested the submission of a Proposed Assessment Monitoring Work Plan. Enviro-Pro, PC (EP) prepared and submitted this Plan on August 5, 2013. It was approved without revisions by DENR on August 15, 2013.

In order to implement the Assessment Work Plan, Environmental Drilling & Probing Services, LLC (EDPS) was contracted to install Type III bedrock monitor wells MW-4D, MW-5D, MW-7D, MW-8D, and MW-9D on September 19 through September 24, 2013. An EP Licensed Geologist supervised the installation and construction of all groundwater monitor wells.

The second 2013 semi-annual sampling event was conducted on October 9, with verification sampling completed on November 19. The VOC vinyl chloride was detected in eight of the wells sampled during this event. During the first and second semi-annual sampling events conducted in 2014, vinyl chloride was identified in nine and then eight of the monitor wells sampled. In the first 2015 sampling event, vinyl chloride was again detected in nine monitor wells.

**Field Sampling Activities:**

On October 22, 2015, Enviro-Pro (EP) personnel collected groundwater samples from on-site perimeter monitor wells MW-1 through MW-10, surface water samples SW-1 through SW-4, SW(inf), and SW(eff), and bedrock monitor wells MW-4D, MW-5D, MW-7D, MW-8D, and MW-9D. The approximate locations of these monitor wells and surface water sampling locations are indicated on Figure 1. The procedures for groundwater measurement and sampling were as follows:

1) Initially, the monitor well caps were removed to allow the groundwater levels to equilibrate to the ambient atmospheric pressure. Next, the depth to groundwater from a measuring point on top of the well casing was recorded. Water level measurements were obtained using an electronic water level meter. The water level probe was decontaminated between monitor wells with deionized water and isopropyl alcohol.

2) At least three well volumes were removed from each monitor well to purge stagnant water and to ensure that fresh formation water would be sampled. Purging was conducted using dedicated disposable bailers.

3) Each well was then sampled utilizing laboratory prepared containers, labeled, and packed on ice in a portable cooler for shipment to Shealy Environmental Services, Inc., a North Carolina-certified laboratory in West Columbia, South Carolina. Chain-of-Custody documentation is included with the analytical reports in Appendix A.

4) Quality assurance/quality control (QA/QC) measures in the field included wearing disposable sample gloves during sampling activities and changing them between sample locations to protect the groundwater samples from cross-contamination. A laboratory supplied trip blank also accompanied the sample containers during field sampling activities. All well samples were analyzed for Appendix II VOCs, Appendix II metals with mercury, CN, herbicides, pesticides, PCBs, and sulfide. Only clean, laboratory supplied sample containers were utilized.

The field information obtained during well purging is summarized on the Well Development, Purge, and Sample Record included as Appendix B. Groundwater levels increased in two and decreased in 11 of the monitor wells since the previous semi-annual sampling event on April 28, 2015.

**Laboratory Test Results**

In accordance with regulatory requirements, the 15 monitor well samples and the six surface water samples were analyzed for Appendix II metals and volatile organic compounds (VOCs) by Shealy Environmental Services. In addition, groundwater samples were analyzed for Appendix II semi-volatile organic compounds (SVOCs), CN, sulfide, pesticides, herbicides, PCBs, calcium, manganese, ammonia (N), chloride, total dissolved solids (TDS), alkalinity, and carbon dioxide. Shealy's Report of Laboratory Analysis is attached as Appendix A, with a summary of groundwater analytical results included in Tables 1 and 2.

Laboratory test results indicate low concentrations of the metal barium in all the monitor wells and surface water samples. Low concentrations of arsenic, cadmium, calcium, chromium, cobalt, copper, lead, manganese, mercury, nickel, selenium, vanadium, and zinc were detected in at least one of the wells sampled. The metals calcium, cobalt and vanadium have no established 2L Standards. Only manganese was detected in several wells at concentrations above its 2L Standard. The levels identified for all the metals etected are representative of those naturally occurring in the bedrock, soil, and ground

water in this area as documented in previous monitoring reports submitted. The remainder of the metals detected in the well and surface water samples were below their respective 2L Standards.

Laboratory test results from the October 22 sampling event indicate that benzene was detected in monitor wells MW-7 and MW-9 above its 2L Standard. Vinyl Chloride was detected in wells MW-4, MW-5, MW-6, MW-7, MW-7D, MW-8, MW-9, and MW-9D as well as in surface water sample SW-4 at concentrations above its 2L Standard. The VOC compounds 1,1-dichloroethene, and methylene chloride were detected in well MW-9D above their respective 2L Standards. Tetrahydrofuran was detected in wells MW-3, MW-4, MW-5, MW-7, MW-7D, MW-9, and MW-9D. No 2L Standard has been established for Tetrahydrofuran. Several other VOCs including trichlorofluoromethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, carbon disulfide, toluene, and xylenes were detected at low concentrations below their respective 2L Standards in at least one monitor well sampled.

Concentrations of the primary contaminant of concern, vinyl chloride, increased in two wells and decreased in eight wells since the previous sampling event in April 2015. Monitor wells MW-9 and MW-9D continued to have the highest concentrations of vinyl chloride. However, these levels were slightly lower than those detected during the previous sampling event. In general, vinyl chloride has shown a decreasing trend in most of the monitor wells over the past two years of sampling.

The pesticide Heptachlor was detected in wells MW-7, MW-7D, and MW-9 above its 2L Standard. The pesticides Dieldrin and Heptachlor epoxide were also detected in well MW-7 at levels above their respective 2L Standards. Beta-BHC was also detected in well MW-7. No 2L Standard has been established for this compound. The semi-volatile compound bis(2-Ethylhexyl)phthalate was detected in well MW-7D above its 2L Standard. No other Appendix II VOC's, SVOCs, metals, herbicides, or pesticides were detected above their respective 2L Standards in the monitor wells, surface water samples, or trip blank.

**Recommendations**

No additional assessment activities are planned at present for this site. The current surface and groundwater monitoring system and sampling program appear to be adequate for the detection of any contaminants released from this facility. No modifications are recommended at this time.

The next sampling event for the North Mecklenburg-Infill C&D Landfill site is scheduled for April 2016.

**TABLE 1**
SUMMARY OF ANALYTICAL RESULTS (Metals)
North Mecklenburg C&D Landfill - Infill Area
Huntersville, North Carolina
October 22, 2015

| Analytical Method → | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 6020A | 7470A | 6020A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Contaminant of Concern → / Sample ID | Arsenic | Barium | Cadmium | Cobalt | Copper | Lead | Nickel | Vanadium | Zinc | Calcium | Chromium | Selenium | Mercury | Manganese |
| MW-1 | BDL | 0.14 | BDL | BDL | BDL | BDL | BDL | 0.0058 | 0.025 | 42 | BDL | BDL | BDL | BDL |
| MW-2 | BDL | 0.15 | BDL | BDL | 0.02 | BDL | BDL | 0.011 | 0.052 | 97 | BDL | BDL | BDL | **0.027** |
| MW-3 | BDL | 0.12 | BDL | BDL | 0.0026 | BDL | BDL | BDL | 0.027 | 72 | BDL | BDL | BDL | **1.5** |
| MW-4 | 0.0024 | 0.48 | BDL | 0.03 | 0.0022 | BDL | BDL | BDL | 0.094 | 69 | BDL | BDL | BDL | **42** |
| MW-4D | BDL | 0.033 | BDL | BDL | 0.0013 | BDL | BDL | BDL | BDL | 38 | BDL | BDL | BDL | **0.011** |
| MW-5 | 0.0015 | 0.32 | BDL | BDL | 0.0047 | 0.0015 | 0.0052 | 0.0068 | 0.064 | 120 | BDL | 0.0023 | BDL | **4.6** |
| MW-5D | 0.0012 | 0.036 | BDL | BDL | 0.0046 | BDL | BDL | 0.0059 | 0.013 | 35 | BDL | BDL | BDL | **0.37** |
| MW-6 | BDL | 0.23 | 0.00015 | BDL | 0.018 | BDL | BDL | BDL | 0.054 | 100 | 0.0053 | 0.0021 | BDL | **3.7** |
| MW-7 | 0.0013 | 0.15 | BDL | BDL | 0.0037 | BDL | BDL | 0.0055 | 0.075 | 53 | BDL | 0.026 | BDL | 0.042 |
| MW-7D | 0.0018 | 0.27 | BDL | BDL | 0.001 | BDL | 0.014 | BDL | 0.059 | 210 | BDL | 0.0022 | BDL | **0.86** |
| MW-8 | 0.0013 | 0.048 | BDL | 0.0058 | 0.0083 | BDL | BDL | 0.0067 | 0.024 | 34 | BDL | 0.002 | BDL | **0.27** |
| MW-8D | BDL | 0.055 | BDL | BDL | 0.0017 | BDL | BDL | BDL | 0.016 | 54 | BDL | BDL | BDL | BDL |
| MW-9 | 0.0011 | 0.35 | BDL | 0.0054 | 0.0062 | BDL | BDL | 0.0086 | 0.071 | 74 | BDL | BDL | 0.00052 | **0.18** |
| MW-9D | BDL | 0.15 | BDL | BDL | 0.0061 | BDL | 0.0054 | BDL | 0.16 | 87 | BDL | BDL | BDL | 0.049 |
| MW-10 | BDL | 0.088 | BDL | BDL | 0.021 | BDL | BDL | BDL | 0.033 | 100 | BDL | 0.0016 | BDL | 0.015 |
| SW-1 | BDL | 0.029 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-2 | BDL | 0.099 | BDL | BDL | BDL | BDL | BDL | BDL | 0.015 | BDL | BDL | BDL | BDL | BDL |
| SW-3 | 0.0013 | 0.096 | BDL | BDL | 0.0026 | BDL | BDL | BDL | 0.017 | BDL | BDL | BDL | BDL | BDL |
| SW-4 | BDL | 0.042 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-1(Pipe Inf) | BDL | 0.085 | BDL | BDL | 0.012 | BDL | BDL | BDL | 0.023 | BDL | BDL | BDL | BDL | BDL |
| SW-2(Pipe Eff) | 0.0013 | 0.081 | BDL | BDL | 0.0014 | BDL | BDL | BDL | 0.02 | BDL | BDL | BDL | BDL | BDL |
| **2L Standard** | **0.01** | **0.7** | **0.002** | **NE** | **1** | **0.015** | **0.1** | **NE** | **1** | **NE** | **0.01** | **0.02** | **0.001** | **0.05** |
| **MCL** | **0.005** | **2** | **0.005** | **NE** | **1** | **0.015** | **NE** | **NE** | **5** | **NE** | **0.1** | **0.05** | **0.002** | **0.05** |

**Notes:** All metals presented in milligrams per liter (mg/l) NE = None Established
BDL = Below detection limit MCL = Maximum Contaminant Level
Shaded/Bolded areas represent parameters that exceed their 2L Standards/MCL

**TABLE 2**
SUMMARY OF ANALYTICAL RESULTS (VOCs/SVOCs/Inorganics/Pesticides)
North Mecklenburg C&D Landfill - Infill Area
Huntersville, North Carolina
October 22, 2015

| Analytical Method → | 8260B | 8260B | 8260B | 8260B | 8260B | 8260B | 8260B | 8260B | 8260B | 8260B | 8081B | 8081B | 8081B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Contaminant of Concern → / Sample ID | Vinyl Chloride | Tetrahydrofuran | Benzene | 1,1-Dichloroethene | Trichlorofluoromethane | Carbon Disulfide | cis-1,2-Dichloroethene | Methylene Chloride | Xylenes | Toluene | Dieldrin | Heptachlor | beta-BHC |
| MW-1 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-2 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-3 | BDL | 9.3 | BDL | BDL | BDL | 13 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-4 | **1.6** | 27 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-4D | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-5 | **3.3** | 23 | 0.55 | BDL | BDL | 12 | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-5D | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-6 | **2.5** | BDL | 0.28 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-7 | **2.8** | 14 | **1.7** | 4.5 | BDL | BDL | BDL | BDL | BDL | BDL | **0.087** | **0.089** | 0.16 |
| MW-7D | **1.4** | 13 | 0.78 | BDL | BDL | BDL | BDL | BDL | 1.8 | 1.5 | BDL | **0.061** | BDL |
| MW-8 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-8D | BDL | BDL | BDL | 1.2 | 1.8 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| MW-9 | **19** | 5.3 | **1.5** | BDL | BDL | BDL | 3.7 | BDL | BDL | BDL | BDL | **0.063** | BDL |
| MW-9D | **15** | 11 | BDL | **8.8** | BDL | BDL | 2.8 | **7.8** | BDL | BDL | BDL | BDL | BDL |
| MW-10 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-1 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-2 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-3 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-4 | **0.66** | BDL | BDL | BDL | 2.9 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-1(Pipe Inf) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-2(Pipe Eff) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| **2L Standard** | **0.03** | **NE** | **1** | **7** | **2,000** | **700** | **70** | **5** | **500** | **600** | **0.002** | **0.008** | **NE** |
| **MCL** | **2** | **NE** | **5** | **7** | **NE** | **NE** | **70** | **NE** | **10,000** | **1,000** | **NE** | **0.4** | **NE** |

**Notes:** All VOCs/SVOCs/Pesticides are presented in micrograms per liter (ug/l)
All Inorganic Compounds are presented in milligrams per liter (mg/L)
BDL = Below detection limit
Shaded/Bolded areas represent parameters that exceed their 2L Standards/MCL
NE= None Established MCL = Maxiumum Contaminant Level

**TABLE 2 (continued)**
SUMMARY OF ANALYTICAL RESULTS (VOCs/SVOCs/Inorganics/Pesticides)
North Mecklenburg C&D Landfill - Infill Area
Huntersville, North Carolina
October 22, 2015

| Analytical Method | 8081B | 8270D | 8081B | 8081B | 350.1 | 2320B | 300.0 | 4500-C)2 | 4500-S2F | 2540C |
|---|---|---|---|---|---|---|---|---|---|---|
| Contaminant of Concern → / Sample ID | Heptachlor Epoxide | acetophenone | bis (2-Ethylhexyl) Phthalate | Bromoform | Ammonia-N | Alkalinity | Chloride | CO2 | Sulfide | TDS |
| MW-1 | BDL | BDL | BDL | BDL | BDL | 130 | 45 | 180 | 1.3 | 320 |
| MW-2 | BDL | BDL | BDL | BDL | BDL | 110 | 10 | 230 | BDL | 500 |
| MW-3 | BDL | BDL | BDL | BDL | BDL | 53 | 8.4 | 140 | BDL | 420 |
| MW-4 | BDL | BDL | BDL | BDL | 4.6 | 370 | 20 | 710 | BDL | **620** |
| MW-4D | BDL | BDL | BDL | BDL | BDL | 130 | 12 | 140 | BDL | 220 |
| MW-5 | BDL | BDL | BDL | BDL | 2.8 | 570 | 45 | 840 | BDL | **720** |
| MW-5D | BDL | BDL | BDL | BDL | BDL | 130 | 12 | 150 | 1.8 | 220 |
| MW-6 | BDL | BDL | BDL | BDL | 0.85 | 440 | 48 | 590 | BDL | **610** |
| MW-7 | **0.14** | BDL | BDL | BDL | BDL | 340 | 49 | 800 | BDL | **620** |
| MW-7D | BDL | 1.1 | **28** | BDL | 0.22 | 630 | 60 | 1100 | BDL | **1000** |
| MW-8 | BDL | BDL | BDL | BDL | 0.14 | 110 | 73 | 270 | BDL | 350 |
| MW-8D | BDL | BDL | BDL | BDL | BDL | 160 | 31 | 160 | 1.7 | 280 |
| MW-9 | BDL | BDL | BDL | BDL | 0.11 | 580 | 35 | 1300 | BDL | **810** |
| MW-9D | BDL | BDL | BDL | BDL | 0.14 | 640 | 24 | 670 | 2.1 | **850** |
| MW-10 | BDL | 1.3 | BDL | BDL | BDL | 260 | 17 | 500 | 1.3 | 500 |
| SW-1 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-2 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-3 | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-4 | BDL | BDL | BDL | 1.2 | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-1(Pipe Inf) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| SW-2(Pipe Eff) | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL | BDL |
| **2L Standard** | **0.004** | **NE** | **3** | **4** | **NE** | **NE** | **250** | **NE** | **NE** | **500** |
| **MCL** | **0.2** | **NE** | **170** | **4000** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** |

**Notes:** All VOCs/SVOCs/Pesticides are presented in microgı
All Inorganic Compounds are presented in milligrams per liter (mg/L)
BDL = Below detection limit
Shaded/Bolded areas represent parameters that exceed their 2L Standards/MCL

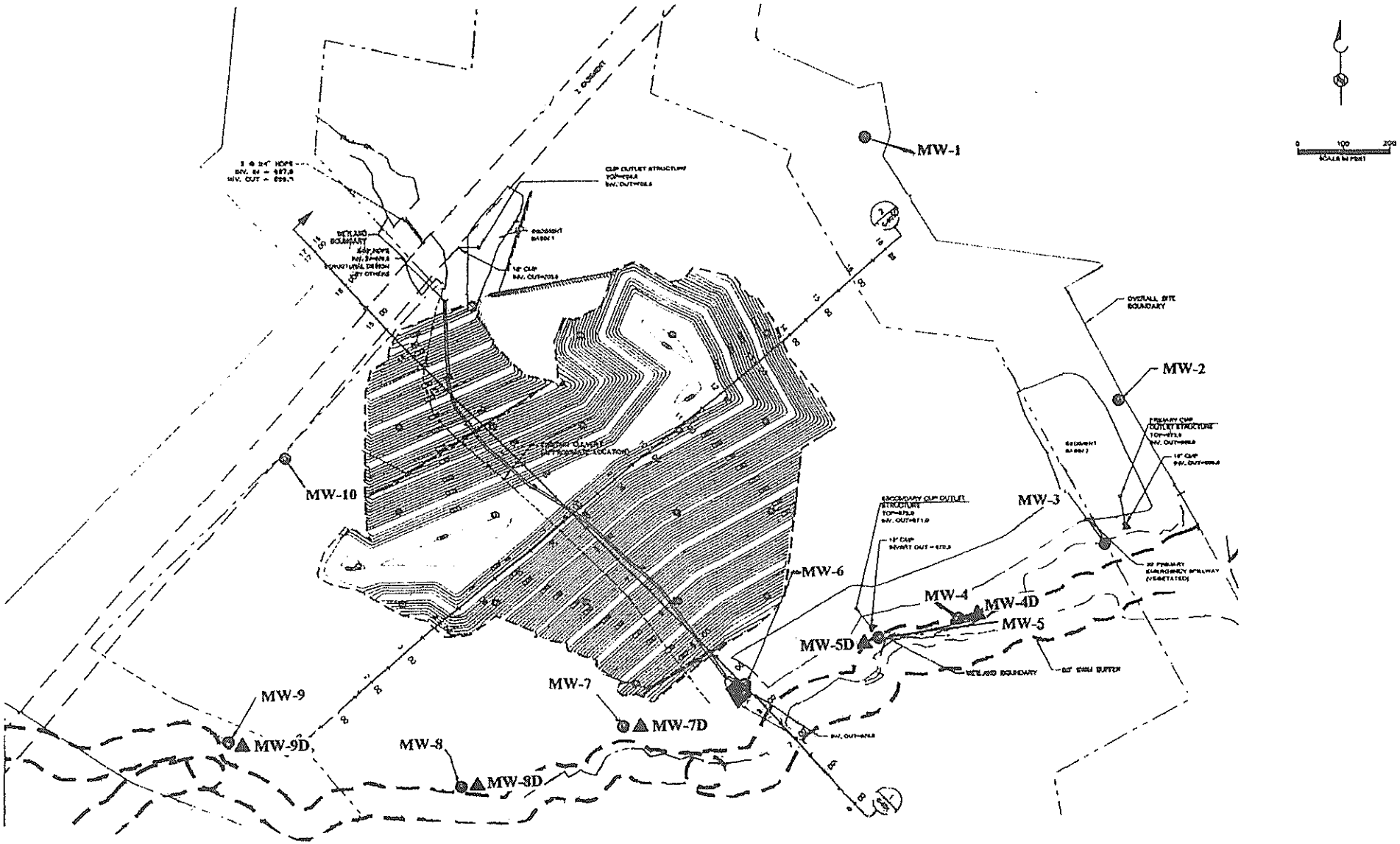


FIGURE 1: SITE MAP
15300 Holbrooks Road
Huntersville, North Carolina

| | | |
|---|---|---|
| DRAWN BY: THB | ENVIRO-PRO | SCALE: 1" = 300' |
| PROJ. MGR. THB | | PROJ NO EP-1442 |
| DATE: 1/14/13 | PROFESSIONAL CORPORATION | |

# APPENDIX A

# SHEALY ENVIRONMENTAL SERVICES, INC.

## Report of Analysis

**Enviro-Pro, P.C.**
2646 Farmlake Lane
Fort Mill, SC 29708
Attention: Tom Bolyard

Project Name: **NMLF -Infill**

Project Number: **EP-1442(A)**

Lot Number: **QJ23019**

Date Completed: **11/24/2015**

**Nisreen Saikaly**
Project Manager

LABORATORY ACCREDITATION BUREAU ACCREDITED

This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.

The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

## Case Narrative
## Enviro-Pro, P.C.
### Lot Number: QJ23019

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

The sample results associated with a P qualifier have a relative percent difference (RPD) between the two dissimilar phase GC columns which exceeds 40%. Section 7.10.4 of SW-846 method 8000B states the higher of the two results is reported. Per our standard operating procedure, the lower result is reported when a result has a P qualifier because the disparity between the two results would yield a biased high or false positive result. In the event that one column is a J qualified result and the other is an unqualified detection greater than the PQL, the lower result is also reported.

Herbicides

The LCS associated to these samples fails 2,4-D and 2,4,5-T marginally low at 66% (acceptance limits 70-130%). Samples are non-detect for these compounds. The MS/MSD passed which demonstrates that acceptable recoveries can be achieved in this sample matrix; therefore, samples QJ2319-001to015 will be reported.

## Sample Summary
## Enviro-Pro, P.C.
### Lot Number: QJ23019

| Sample Number | Sample ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| 001 | MW1 | Aqueous | 10/22/2015 0700 | 10/23/2015 |
| 002 | MW2 | Aqueous | 10/22/2015 0730 | 10/23/2015 |
| 003 | MW3 | Aqueous | 10/22/2015 0800 | 10/23/2015 |
| 004 | MW4 | Aqueous | 10/22/2015 0830 | 10/23/2015 |
| 005 | MW4D | Aqueous | 10/22/2015 0900 | 10/23/2015 |
| 006 | MW5 | Aqueous | 10/22/2015 0930 | 10/23/2015 |
| 007 | MW5D | Aqueous | 10/22/2015 1000 | 10/23/2015 |
| 008 | MW6 | Aqueous | 10/22/2015 1030 | 10/23/2015 |
| 009 | MW7 | Aqueous | 10/22/2015 1100 | 10/23/2015 |
| 010 | MW7D | Aqueous | 10/22/2015 1130 | 10/23/2015 |
| 011 | MW8 | Aqueous | 10/22/2015 1200 | 10/23/2015 |
| 012 | MW8D | Aqueous | 10/22/2015 1230 | 10/23/2015 |
| 013 | MW9 | Aqueous | 10/22/2015 1300 | 10/23/2015 |
| 014 | MW9D | Aqueous | 10/22/2015 1330 | 10/23/2015 |
| 015 | MW10 | Aqueous | 10/22/2015 1400 | 10/23/2015 |
| 016 | SW1 | Aqueous | 10/22/2015 1415 | 10/23/2015 |
| 017 | SW2 | Aqueous | 10/22/2015 1430 | 10/23/2015 |
| 018 | SW3 | Aqueous | 10/22/2015 1445 | 10/23/2015 |
| 019 | SW4 | Aqueous | 10/22/2015 1500 | 10/23/2015 |
| 020 | SWINF | Aqueous | 10/22/2015 1515 | 10/23/2015 |
| 021 | SWEFF | Aqueous | 10/22/2015 1530 | 10/23/2015 |
| 022 | TRIPBLANK | Aqueous | 10/22/2015 | 10/23/2015 |

(22 samples)

## Executive Summary
## Enviro-Pro, P.C.
### Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 001 | MW1 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 130 | | mg/L | 14 |
| 001 | MW1 | Aqueous | Chloride | 300.0 | 45 | | mg/L | 14 |
| 001 | MW1 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 180 | | mg/L | 14 |
| 001 | MW1 | Aqueous | Sulfide | SM 4500-S2 F- | 1.3 | | mg/L | 14 |
| 001 | MW1 | Aqueous | TDS | SM 2540C- | 320 | | mg/L | 14 |
| 001 | MW1 | Aqueous | Tetrachloroethene | 8260B | 0.23 | J | ug/L | 16 |
| 001 | MW1 | Aqueous | Barium | 6020A | 140 | | ug/L | 23 |
| 001 | MW1 | Aqueous | Calcium | 6020A | 42000 | B | ug/L | 23 |
| 001 | MW1 | Aqueous | Copper | 6020A | 0.91 | J | ug/L | 23 |
| 001 | MW1 | Aqueous | Manganese | 6020A | 4.7 | J | ug/L | 23 |
| 001 | MW1 | Aqueous | Nickel | 6020A | 1.4 | J | ug/L | 23 |
| 001 | MW1 | Aqueous | Vanadium | 6020A | 5.8 | | ug/L | 23 |
| 001 | MW1 | Aqueous | Zinc | 6020A | 25 | | ug/L | 23 |
| 002 | MW2 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.072 | J | mg/L | 25 |
| 002 | MW2 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 110 | | mg/L | 25 |
| 002 | MW2 | Aqueous | Chloride | 300.0 | 10 | | mg/L | 25 |
| 002 | MW2 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 230 | | mg/L | 25 |
| 002 | MW2 | Aqueous | TDS | SM 2540C- | 500 | | mg/L | 25 |
| 002 | MW2 | Aqueous | Arsenic | 6020A | 0.90 | BJ | ug/L | 34 |
| 002 | MW2 | Aqueous | Barium | 6020A | 150 | | ug/L | 34 |
| 002 | MW2 | Aqueous | Beryllium | 6020A | 0.15 | J | ug/L | 34 |
| 002 | MW2 | Aqueous | Calcium | 6020A | 97000 | B | ug/L | 34 |
| 002 | MW2 | Aqueous | Chromium | 6020A | 0.98 | J | ug/L | 34 |
| 002 | MW2 | Aqueous | Cobalt | 6020A | 2.9 | J | ug/L | 34 |
| 002 | MW2 | Aqueous | Copper | 6020A | 20 | | ug/L | 34 |
| 002 | MW2 | Aqueous | Lead | 6020A | 0.81 | J | ug/L | 34 |
| 002 | MW2 | Aqueous | Manganese | 6020A | 270 | | ug/L | 34 |
| 002 | MW2 | Aqueous | Nickel | 6020A | 2.8 | J | ug/L | 34 |
| 002 | MW2 | Aqueous | Vanadium | 6020A | 11 | | ug/L | 34 |
| 002 | MW2 | Aqueous | Zinc | 6020A | 52 | | ug/L | 34 |
| 003 | MW3 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.055 | J | mg/L | 36 |
| 003 | MW3 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 53 | | mg/L | 36 |
| 003 | MW3 | Aqueous | Chloride | 300.0 | 8.4 | | mg/L | 36 |
| 003 | MW3 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 140 | | mg/L | 36 |
| 003 | MW3 | Aqueous | TDS | SM 2540C- | 420 | | mg/L | 36 |
| 003 | MW3 | Aqueous | Carbon disulfide | 8260B | 13 | | ug/L | 37 |
| 003 | MW3 | Aqueous | Tetrahydrofuran | 8260B | 9.3 | | ug/L | 38 |
| 003 | MW3 | Aqueous | Arsenic | 6020A | 0.31 | BJ | ug/L | 45 |
| 003 | MW3 | Aqueous | Barium | 6020A | 120 | | ug/L | 45 |
| 003 | MW3 | Aqueous | Cadmium | 6020A | 0.050 | J | ug/L | 45 |
| 003 | MW3 | Aqueous | Calcium | 6020A | 72000 | B | ug/L | 45 |
| 003 | MW3 | Aqueous | Chromium | 6020A | 1.1 | J | ug/L | 45 |
| 003 | MW3 | Aqueous | Cobalt | 6020A | 3.0 | J | ug/L | 45 |
| 003 | MW3 | Aqueous | Copper | 6020A | 2.6 | | ug/L | 45 |
| 003 | MW3 | Aqueous | Lead | 6020A | 0.61 | J | ug/L | 45 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 003 | MW3 | Aqueous | Manganese | 6020A | 1500 | | ug/L | 45 |
| 003 | MW3 | Aqueous | Nickel | 6020A | 2.5 | J | ug/L | 45 |
| 003 | MW3 | Aqueous | Vanadium | 6020A | 3.4 | J | ug/L | 45 |
| 003 | MW3 | Aqueous | Zinc | 6020A | 27 | | ug/L | 45 |
| 004 | MW4 | Aqueous | Ammonia - N (phenate) | 350.1 | 4.6 | | mg/L | 47 |
| 004 | MW4 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 370 | | mg/L | 47 |
| 004 | MW4 | Aqueous | Chloride | 300.0 | 20 | | mg/L | 47 |
| 004 | MW4 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 710 | | mg/L | 47 |
| 004 | MW4 | Aqueous | TDS | SM 2540C- | 620 | | mg/L | 47 |
| 004 | MW4 | Aqueous | Acetone | 8260B | 13 | J | ug/L | 48 |
| 004 | MW4 | Aqueous | Carbon disulfide | 8260B | 0.84 | J | ug/L | 48 |
| 004 | MW4 | Aqueous | 4-Methyl-2-pentanone | 8260B | 0.59 | J | ug/L | 49 |
| 004 | MW4 | Aqueous | Tetrahydrofuran | 8260B | 27 | | ug/L | 49 |
| 004 | MW4 | Aqueous | Vinyl chloride | 8260B | 1.6 | | ug/L | 49 |
| 004 | MW4 | Aqueous | Arsenic | 6020A | 2.4 | B | ug/L | 56 |
| 004 | MW4 | Aqueous | Barium | 6020A | 480 | | ug/L | 56 |
| 004 | MW4 | Aqueous | Beryllium | 6020A | 0.14 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Cadmium | 6020A | 0.050 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Calcium | 6020A | 69000 | B | ug/L | 56 |
| 004 | MW4 | Aqueous | Chromium | 6020A | 1.0 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Cobalt | 6020A | 30 | | ug/L | 56 |
| 004 | MW4 | Aqueous | Copper | 6020A | 2.2 | | ug/L | 56 |
| 004 | MW4 | Aqueous | Lead | 6020A | 0.27 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Manganese | 6020A | 42000 | | ug/L | 56 |
| 004 | MW4 | Aqueous | Nickel | 6020A | 1.9 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Vanadium | 6020A | 3.1 | J | ug/L | 56 |
| 004 | MW4 | Aqueous | Zinc | 6020A | 94 | | ug/L | 56 |
| 005 | MW4D | Aqueous | Ammonia - N (phenate) | 350.1 | 0.070 | J | mg/L | 58 |
| 005 | MW4D | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 130 | | mg/L | 58 |
| 005 | MW4D | Aqueous | Chloride | 300.0 | 12 | | mg/L | 58 |
| 005 | MW4D | Aqueous | CO2 (calculation) | SM 4500-CO2 | 140 | | mg/L | 58 |
| 005 | MW4D | Aqueous | Sulfide | SM 4500-S2 F- | 0.70 | J | mg/L | 58 |
| 005 | MW4D | Aqueous | TDS | SM 2540C- | 220 | | mg/L | 58 |
| 005 | MW4D | Aqueous | Carbon disulfide | 8260B | 0.65 | J | ug/L | 59 |
| 005 | MW4D | Aqueous | Toluene | 8260B | 0.49 | J | ug/L | 60 |
| 005 | MW4D | Aqueous | Trichlorofluoromethane | 8260B | 1.2 | | ug/L | 60 |
| 005 | MW4D | Aqueous | Xylenes (total) | 8260B | 0.68 | J | ug/L | 60 |
| 005 | MW4D | Aqueous | Acetophenone | 8270D | 0.74 | J | ug/L | 61 |
| 005 | MW4D | Aqueous | bis(2-Ethylhexyl)phthalate | 8270D | 1.0 | J | ug/L | 62 |
| 005 | MW4D | Aqueous | Naphthalene | 8270D | 0.072 | J | ug/L | 62 |
| 005 | MW4D | Aqueous | Arsenic | 6020A | 0.30 | BJ | ug/L | 67 |
| 005 | MW4D | Aqueous | Barium | 6020A | 33 | | ug/L | 67 |
| 005 | MW4D | Aqueous | Calcium | 6020A | 38000 | B | ug/L | 67 |
| 005 | MW4D | Aqueous | Copper | 6020A | 1.3 | | ug/L | 67 |
| 005 | MW4D | Aqueous | Lead | 6020A | 0.15 | J | ug/L | 67 |
| 005 | MW4D | Aqueous | Manganese | 6020A | 11 | | ug/L | 67 |
| 005 | MW4D | Aqueous | Nickel | 6020A | 0.87 | J | ug/L | 67 |
| 005 | MW4D | Aqueous | Vanadium | 6020A | 4.0 | J | ug/L | 67 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 005 | MW4D | Aqueous | Zinc | 6020A | 8.6 | J | ug/L | 67 |
| 006 | MW5 | Aqueous | Ammonia - N (phenate) | 350.1 | 2.8 | | mg/L | 69 |
| 006 | MW5 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 570 | | mg/L | 69 |
| 006 | MW5 | Aqueous | Chloride | 300.0 | 45 | | mg/L | 69 |
| 006 | MW5 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 840 | | mg/L | 69 |
| 006 | MW5 | Aqueous | TDS | SM 2540C- | 720 | | mg/L | 69 |
| 006 | MW5 | Aqueous | Benzene | 8260B | 0.55 | J | ug/L | 70 |
| 006 | MW5 | Aqueous | Carbon disulfide | 8260B | 12 | | ug/L | 70 |
| 006 | MW5 | Aqueous | cis-1,2-Dichloroethene | 8260B | 0.42 | J | ug/L | 70 |
| 006 | MW5 | Aqueous | Tetrahydrofuran | 8260B | 23 | | ug/L | 71 |
| 006 | MW5 | Aqueous | Vinyl chloride | 8260B | 3.3 | | ug/L | 71 |
| 006 | MW5 | Aqueous | Arsenic | 6020A | 1.5 | B | ug/L | 78 |
| 006 | MW5 | Aqueous | Barium | 6020A | 320 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Beryllium | 6020A | 0.12 | J | ug/L | 78 |
| 006 | MW5 | Aqueous | Calcium | 6020A | 120000 | B | ug/L | 78 |
| 006 | MW5 | Aqueous | Chromium | 6020A | 2.4 | J | ug/L | 78 |
| 006 | MW5 | Aqueous | Cobalt | 6020A | 1.9 | J | ug/L | 78 |
| 006 | MW5 | Aqueous | Copper | 6020A | 4.7 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Lead | 6020A | 1.5 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Manganese | 6020A | 4600 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Nickel | 6020A | 5.2 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Selenium | 6020A | 2.3 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Vanadium | 6020A | 6.8 | | ug/L | 78 |
| 006 | MW5 | Aqueous | Zinc | 6020A | 64 | | ug/L | 78 |
| 007 | MW5D | Aqueous | Ammonia - N (phenate) | 350.1 | 0.083 | J | mg/L | 80 |
| 007 | MW5D | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 130 | | mg/L | 80 |
| 007 | MW5D | Aqueous | Chloride | 300.0 | 12 | | mg/L | 80 |
| 007 | MW5D | Aqueous | CO2 (calculation) | SM 4500-CO2 | 150 | | mg/L | 80 |
| 007 | MW5D | Aqueous | Sulfide | SM 4500-S2 F- | 1.8 | | mg/L | 80 |
| 007 | MW5D | Aqueous | TDS | SM 2540C- | 220 | | mg/L | 80 |
| 007 | MW5D | Aqueous | Toluene | 8260B | 0.48 | J | ug/L | 82 |
| 007 | MW5D | Aqueous | Xylenes (total) | 8260B | 0.62 | J | ug/L | 82 |
| 007 | MW5D | Aqueous | bis(2-Ethylhexyl)phthalate | 8270D | 1.8 | J | ug/L | 84 |
| 007 | MW5D | Aqueous | Naphthalene | 8270D | 0.081 | J | ug/L | 84 |
| 007 | MW5D | Aqueous | Arsenic | 6020A | 1.2 | B | ug/L | 89 |
| 007 | MW5D | Aqueous | Barium | 6020A | 36 | | ug/L | 89 |
| 007 | MW5D | Aqueous | Calcium | 6020A | 35000 | B | ug/L | 89 |
| 007 | MW5D | Aqueous | Chromium | 6020A | 1.1 | J | ug/L | 89 |
| 007 | MW5D | Aqueous | Cobalt | 6020A | 1.4 | J | ug/L | 89 |
| 007 | MW5D | Aqueous | Copper | 6020A | 4.6 | | ug/L | 89 |
| 007 | MW5D | Aqueous | Lead | 6020A | 0.50 | J | ug/L | 89 |
| 007 | MW5D | Aqueous | Manganese | 6020A | 370 | | ug/L | 89 |
| 007 | MW5D | Aqueous | Nickel | 6020A | 1.4 | J | ug/L | 89 |
| 007 | MW5D | Aqueous | Vanadium | 6020A | 5.9 | | ug/L | 89 |
| 007 | MW5D | Aqueous | Zinc | 6020A | 13 | | ug/L | 89 |
| 008 | MW6 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.85 | | mg/L | 91 |
| 008 | MW6 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 440 | | mg/L | 91 |
| 008 | MW6 | Aqueous | Chloride | 300.0 | 48 | | mg/L | 91 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 008 | MW6 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 590 | | mg/L | 91 |
| 008 | MW6 | Aqueous | TDS | SM 2540C- | 610 | | mg/L | 91 |
| 008 | MW6 | Aqueous | Benzene | 8260B | 0.28 | J | ug/L | 92 |
| 008 | MW6 | Aqueous | Vinyl chloride | 8260B | 2.5 | | ug/L | 93 |
| 008 | MW6 | Aqueous | Arsenic | 6020A | 5.8 | B | ug/L | 100 |
| 008 | MW6 | Aqueous | Barium | 6020A | 230 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Cadmium | 6020A | 0.15 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Calcium | 6020A | 100000 | B | ug/L | 100 |
| 008 | MW6 | Aqueous | Chromium | 6020A | 5.3 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Cobalt | 6020A | 1.3 | J | ug/L | 100 |
| 008 | MW6 | Aqueous | Copper | 6020A | 18 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Lead | 6020A | 0.75 | J | ug/L | 100 |
| 008 | MW6 | Aqueous | Manganese | 6020A | 3700 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Nickel | 6020A | 3.7 | J | ug/L | 100 |
| 008 | MW6 | Aqueous | Selenium | 6020A | 2.1 | | ug/L | 100 |
| 008 | MW6 | Aqueous | Vanadium | 6020A | 4.8 | J | ug/L | 100 |
| 008 | MW6 | Aqueous | Zinc | 6020A | 54 | | ug/L | 100 |
| 009 | MW7 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.079 | J | mg/L | 102 |
| 009 | MW7 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 340 | | mg/L | 102 |
| 009 | MW7 | Aqueous | Chloride | 300.0 | 49 | | mg/L | 102 |
| 009 | MW7 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 800 | | mg/L | 102 |
| 009 | MW7 | Aqueous | TDS | SM 2540C- | 620 | | mg/L | 102 |
| 009 | MW7 | Aqueous | Benzene | 8260B | 1.7 | | ug/L | 103 |
| 009 | MW7 | Aqueous | Bromoform | 8260B | 0.41 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | Chloromethane (Methyl | 8260B | 0.23 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | Dichlorodifluoromethane | 8260B | 0.92 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | 1,2-Dichloroethane | 8260B | 4.5 | | ug/L | 103 |
| 009 | MW7 | Aqueous | 1,1-Dichloroethene | 8260B | 0.73 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | cis-1,2-Dichloroethene | 8260B | 0.88 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | Ethyl methacrylate | 8260B | 0.59 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | Ethylbenzene | 8260B | 0.59 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | 2-Hexanone | 8260B | 1.1 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | Methacrylonitrile | 8260B | 1.3 | J | ug/L | 103 |
| 009 | MW7 | Aqueous | 4-Methyl-2-pentanone | 8260B | 0.73 | J | ug/L | 104 |
| 009 | MW7 | Aqueous | Styrene | 8260B | 0.13 | J | ug/L | 104 |
| 009 | MW7 | Aqueous | Tetrahydrofuran | 8260B | 14 | | ug/L | 104 |
| 009 | MW7 | Aqueous | Toluene | 8260B | 0.44 | J | ug/L | 104 |
| 009 | MW7 | Aqueous | Trichloroethene | 8260B | 0.25 | J | ug/L | 104 |
| 009 | MW7 | Aqueous | Vinyl chloride | 8260B | 2.8 | | ug/L | 104 |
| 009 | MW7 | Aqueous | Xylenes (total) | 8260B | 0.99 | J | ug/L | 104 |
| 009 | MW7 | Aqueous | Acetophenone | 8270D | 0.71 | J | ug/L | 105 |
| 009 | MW7 | Aqueous | Anthracene | 8270D | 0.18 | J | ug/L | 105 |
| 009 | MW7 | Aqueous | Phenanthrene | 8270D | 0.20 | J | ug/L | 107 |
| 009 | MW7 | Aqueous | Dinoseb | 8151A | 0.53 | JP | ug/L | 108 |
| 009 | MW7 | Aqueous | beta-BHC | 8081B | 0.16 | P | ug/L | 110 |
| 009 | MW7 | Aqueous | delta-BHC | 8081B | 0.017 | JP | ug/L | 110 |
| 009 | MW7 | Aqueous | 4,4'-DDT | 8081B | 0.015 | JP | ug/L | 110 |
| 009 | MW7 | Aqueous | Dieldrin | 8081B | 0.087 | | ug/L | 110 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 009 | MW7 | Aqueous | Endosulfan I | 8081B | 0.071 | P | ug/L | 110 |
| 009 | MW7 | Aqueous | Endrin | 8081B | 0.047 | P | ug/L | 110 |
| 009 | MW7 | Aqueous | Endrin aldehyde | 8081B | 0.033 | JP | ug/L | 110 |
| 009 | MW7 | Aqueous | Heptachlor | 8081B | 0.089 | | ug/L | 110 |
| 009 | MW7 | Aqueous | Heptachlor epoxide | 8081B | 0.14 | | ug/L | 110 |
| 009 | MW7 | Aqueous | Arsenic | 6020A | 1.3 | B | ug/L | 111 |
| 009 | MW7 | Aqueous | Barium | 6020A | 150 | | ug/L | 111 |
| 009 | MW7 | Aqueous | Calcium | 6020A | 53000 | B | ug/L | 111 |
| 009 | MW7 | Aqueous | Chromium | 6020A | 0.79 | J | ug/L | 111 |
| 009 | MW7 | Aqueous | Cobalt | 6020A | 1.1 | J | ug/L | 111 |
| 009 | MW7 | Aqueous | Copper | 6020A | 3.7 | | ug/L | 111 |
| 009 | MW7 | Aqueous | Lead | 6020A | 0.32 | J | ug/L | 111 |
| 009 | MW7 | Aqueous | Manganese | 6020A | 42 | | ug/L | 111 |
| 009 | MW7 | Aqueous | Nickel | 6020A | 2.1 | J | ug/L | 111 |
| 009 | MW7 | Aqueous | Selenium | 6020A | 2.6 | | ug/L | 111 |
| 009 | MW7 | Aqueous | Vanadium | 6020A | 5.5 | | ug/L | 111 |
| 009 | MW7 | Aqueous | Zinc | 6020A | 75 | | ug/L | 111 |
| 010 | MW7D | Aqueous | Ammonia - N (phenate) | 350.1 | 0.22 | | mg/L | 113 |
| 010 | MW7D | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 630 | | mg/L | 113 |
| 010 | MW7D | Aqueous | Chloride | 300.0 | 60 | | mg/L | 113 |
| 010 | MW7D | Aqueous | CO2 (calculation) | SM 4500-CO2 | 1100 | | mg/L | 113 |
| 010 | MW7D | Aqueous | TDS | SM 2540C- | 1000 | | mg/L | 113 |
| 010 | MW7D | Aqueous | Acetone | 8260B | 2.9 | J | ug/L | 114 |
| 010 | MW7D | Aqueous | Benzene | 8260B | 0.78 | J | ug/L | 114 |
| 010 | MW7D | Aqueous | Ethylbenzene | 8260B | 0.29 | J | ug/L | 114 |
| 010 | MW7D | Aqueous | Tetrahydrofuran | 8260B | 13 | | ug/L | 115 |
| 010 | MW7D | Aqueous | Toluene | 8260B | 1.5 | | ug/L | 115 |
| 010 | MW7D | Aqueous | Vinyl chloride | 8260B | 1.4 | | ug/L | 115 |
| 010 | MW7D | Aqueous | Xylenes (total) | 8260B | 1.8 | | ug/L | 115 |
| 010 | MW7D | Aqueous | Acetophenone | 8270D | 1.1 | | ug/L | 116 |
| 010 | MW7D | Aqueous | Anthracene | 8270D | 0.19 | J | ug/L | 116 |
| 010 | MW7D | Aqueous | 2,4-Dimethylphenol | 8270D | 0.51 | J | ug/L | 116 |
| 010 | MW7D | Aqueous | bis(2-Ethylhexyl)phthalate | 8270D | 28 | | ug/L | 117 |
| 010 | MW7D | Aqueous | Naphthalene | 8270D | 0.087 | J | ug/L | 117 |
| 010 | MW7D | Aqueous | beta-BHC | 8081B | 0.060 | P | ug/L | 121 |
| 010 | MW7D | Aqueous | delta-BHC | 8081B | 0.021 | J | ug/L | 121 |
| 010 | MW7D | Aqueous | 4,4'-DDE | 8081B | 0.022 | J | ug/L | 121 |
| 010 | MW7D | Aqueous | 4,4'-DDT | 8081B | 0.015 | JP | ug/L | 121 |
| 010 | MW7D | Aqueous | Endosulfan I | 8081B | 0.084 | | ug/L | 121 |
| 010 | MW7D | Aqueous | Endosulfan II | 8081B | 0.016 | JP | ug/L | 121 |
| 010 | MW7D | Aqueous | Endrin aldehyde | 8081B | 0.095 | | ug/L | 121 |
| 010 | MW7D | Aqueous | Heptachlor | 8081B | 0.061 | | ug/L | 121 |
| 010 | MW7D | Aqueous | Heptachlor epoxide | 8081B | 0.020 | JP | ug/L | 121 |
| 010 | MW7D | Aqueous | Arsenic | 6020A | 1.8 | B | ug/L | 122 |
| 010 | MW7D | Aqueous | Barium | 6020A | 270 | | ug/L | 122 |
| 010 | MW7D | Aqueous | Calcium | 6020A | 210000 | B | ug/L | 122 |
| 010 | MW7D | Aqueous | Chromium | 6020A | 0.65 | J | ug/L | 122 |
| 010 | MW7D | Aqueous | Cobalt | 6020A | 2.3 | J | ug/L | 122 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 010 | MW7D | Aqueous | Copper | 6020A | 1.0 | | ug/L | 122 |
| 010 | MW7D | Aqueous | Manganese | 6020A | 860 | | ug/L | 122 |
| 010 | MW7D | Aqueous | Nickel | 6020A | 14 | | ug/L | 122 |
| 010 | MW7D | Aqueous | Selenium | 6020A | 2.2 | | ug/L | 122 |
| 010 | MW7D | Aqueous | Vanadium | 6020A | 3.6 | J | ug/L | 122 |
| 010 | MW7D | Aqueous | Zinc | 6020A | 59 | | ug/L | 122 |
| 011 | MW8 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.14 | | mg/L | 124 |
| 011 | MW8 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 110 | | mg/L | 124 |
| 011 | MW8 | Aqueous | Chloride | 300.0 | 73 | | mg/L | 124 |
| 011 | MW8 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 270 | | mg/L | 124 |
| 011 | MW8 | Aqueous | TDS | SM 2540C- | 350 | | mg/L | 124 |
| 011 | MW8 | Aqueous | Chloroform | 8260B | 0.89 | J | ug/L | 125 |
| 011 | MW8 | Aqueous | Toluene | 8260B | 0.41 | J | ug/L | 126 |
| 011 | MW8 | Aqueous | Xylenes (total) | 8260B | 0.66 | J | ug/L | 126 |
| 011 | MW8 | Aqueous | Acetophenone | 8270D | 0.79 | J | ug/L | 127 |
| 011 | MW8 | Aqueous | Naphthalene | 8270D | 0.072 | J | ug/L | 128 |
| 011 | MW8 | Aqueous | Arsenic | 6020A | 1.3 | B | ug/L | 133 |
| 011 | MW8 | Aqueous | Barium | 6020A | 48 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Calcium | 6020A | 34000 | B | ug/L | 133 |
| 011 | MW8 | Aqueous | Chromium | 6020A | 1.4 | J | ug/L | 133 |
| 011 | MW8 | Aqueous | Cobalt | 6020A | 5.8 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Copper | 6020A | 8.3 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Lead | 6020A | 0.23 | J | ug/L | 133 |
| 011 | MW8 | Aqueous | Manganese | 6020A | 270 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Nickel | 6020A | 2.6 | J | ug/L | 133 |
| 011 | MW8 | Aqueous | Selenium | 6020A | 2.0 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Vanadium | 6020A | 6.7 | | ug/L | 133 |
| 011 | MW8 | Aqueous | Zinc | 6020A | 24 | | ug/L | 133 |
| 012 | MW8D | Aqueous | Ammonia - N (phenate) | 350.1 | 0.069 | J | mg/L | 135 |
| 012 | MW8D | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 160 | | mg/L | 135 |
| 012 | MW8D | Aqueous | Chloride | 300.0 | 31 | | mg/L | 135 |
| 012 | MW8D | Aqueous | CO2 (calculation) | SM 4500-CO2 | 160 | | mg/L | 135 |
| 012 | MW8D | Aqueous | Sulfide | SM 4500-S2 F- | 1.7 | | mg/L | 135 |
| 012 | MW8D | Aqueous | TDS | SM 2540C- | 280 | | mg/L | 135 |
| 012 | MW8D | Aqueous | 1,1-Dichloroethene | 8260B | 1.2 | | ug/L | 136 |
| 012 | MW8D | Aqueous | Toluene | 8260B | 0.28 | J | ug/L | 137 |
| 012 | MW8D | Aqueous | Trichlorofluoromethane | 8260B | 1.8 | | ug/L | 137 |
| 012 | MW8D | Aqueous | Xylenes (total) | 8260B | 0.49 | J | ug/L | 137 |
| 012 | MW8D | Aqueous | Acetophenone | 8270D | 0.44 | J | ug/L | 138 |
| 012 | MW8D | Aqueous | Antimony | 6020A | 0.39 | J | ug/L | 144 |
| 012 | MW8D | Aqueous | Arsenic | 6020A | 0.59 | BJ | ug/L | 144 |
| 012 | MW8D | Aqueous | Barium | 6020A | 55 | | ug/L | 144 |
| 012 | MW8D | Aqueous | Calcium | 6020A | 54000 | B | ug/L | 144 |
| 012 | MW8D | Aqueous | Copper | 6020A | 1.7 | | ug/L | 144 |
| 012 | MW8D | Aqueous | Manganese | 6020A | 3.4 | J | ug/L | 144 |
| 012 | MW8D | Aqueous | Nickel | 6020A | 1.4 | J | ug/L | 144 |
| 012 | MW8D | Aqueous | Vanadium | 6020A | 4.0 | J | ug/L | 144 |
| 012 | MW8D | Aqueous | Zinc | 6020A | 16 | | ug/L | 144 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 013 | MW9 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.11 | | mg/L | 146 |
| 013 | MW9 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 580 | | mg/L | 146 |
| 013 | MW9 | Aqueous | Chloride | 300.0 | 35 | | mg/L | 146 |
| 013 | MW9 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 1300 | | mg/L | 146 |
| 013 | MW9 | Aqueous | TDS | SM 2540C- | 810 | | mg/L | 146 |
| 013 | MW9 | Aqueous | Acetone | 8260B | 2.0 | J | ug/L | 147 |
| 013 | MW9 | Aqueous | Benzene | 8260B | 1.5 | | ug/L | 147 |
| 013 | MW9 | Aqueous | Carbon disulfide | 8260B | 0.68 | J | ug/L | 147 |
| 013 | MW9 | Aqueous | 1,1-Dichloroethane | 8260B | 0.25 | J | ug/L | 147 |
| 013 | MW9 | Aqueous | 1,1-Dichloroethene | 8260B | 0.76 | J | ug/L | 147 |
| 013 | MW9 | Aqueous | cis-1,2-Dichloroethene | 8260B | 3.7 | | ug/L | 147 |
| 013 | MW9 | Aqueous | Methylene chloride | 8260B | 0.64 | J | ug/L | 148 |
| 013 | MW9 | Aqueous | Tetrahydrofuran | 8260B | 5.3 | | ug/L | 148 |
| 013 | MW9 | Aqueous | Toluene | 8260B | 0.42 | J | ug/L | 148 |
| 013 | MW9 | Aqueous | Vinyl chloride | 8260B | 19 | | ug/L | 148 |
| 013 | MW9 | Aqueous | Acetophenone | 8270D | 0.55 | J | ug/L | 149 |
| 013 | MW9 | Aqueous | Aldrin | 8081B | 0.011 | J | ug/L | 154 |
| 013 | MW9 | Aqueous | beta-BHC | 8081B | 0.080 | P | ug/L | 154 |
| 013 | MW9 | Aqueous | Heptachlor | 8081B | 0.063 | | ug/L | 154 |
| 013 | MW9 | Aqueous | Heptachlor epoxide | 8081B | 0.019 | J | ug/L | 154 |
| 013 | MW9 | Aqueous | Arsenic | 6020A | 1.1 | B | ug/L | 155 |
| 013 | MW9 | Aqueous | Barium | 6020A | 350 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Calcium | 6020A | 74000 | B | ug/L | 155 |
| 013 | MW9 | Aqueous | Chromium | 6020A | 2.4 | J | ug/L | 155 |
| 013 | MW9 | Aqueous | Cobalt | 6020A | 5.4 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Copper | 6020A | 6.2 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Lead | 6020A | 0.16 | J | ug/L | 155 |
| 013 | MW9 | Aqueous | Manganese | 6020A | 180 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Nickel | 6020A | 4.6 | J | ug/L | 155 |
| 013 | MW9 | Aqueous | Vanadium | 6020A | 8.6 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Zinc | 6020A | 71 | | ug/L | 155 |
| 013 | MW9 | Aqueous | Mercury | 7470A | 0.00052 | | mg/L | 156 |
| 014 | MW9D | Aqueous | Ammonia - N (phenate) | 350.1 | 0.14 | | mg/L | 157 |
| 014 | MW9D | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 640 | | mg/L | 157 |
| 014 | MW9D | Aqueous | Chloride | 300.0 | 24 | | mg/L | 157 |
| 014 | MW9D | Aqueous | CO2 (calculation) | SM 4500-CO2 | 670 | | mg/L | 157 |
| 014 | MW9D | Aqueous | Sulfide | SM 4500-S2 F- | 2.1 | | mg/L | 157 |
| 014 | MW9D | Aqueous | TDS | SM 2540C- | 850 | | mg/L | 157 |
| 014 | MW9D | Aqueous | Acetone | 8260B | 3.0 | J | ug/L | 158 |
| 014 | MW9D | Aqueous | Benzene | 8260B | 0.69 | J | ug/L | 158 |
| 014 | MW9D | Aqueous | 1,1-Dichloroethane | 8260B | 0.44 | J | ug/L | 158 |
| 014 | MW9D | Aqueous | 1,1-Dichloroethene | 8260B | 8.8 | | ug/L | 158 |
| 014 | MW9D | Aqueous | cis-1,2-Dichloroethene | 8260B | 2.8 | | ug/L | 158 |
| 014 | MW9D | Aqueous | Methyl iodide (Iodomethane) | 8260B | 0.34 | J | ug/L | 158 |
| 014 | MW9D | Aqueous | Methylene chloride | 8260B | 7.8 | | ug/L | 159 |
| 014 | MW9D | Aqueous | Tetrachloroethene | 8260B | 0.92 | J | ug/L | 159 |
| 014 | MW9D | Aqueous | Tetrahydrofuran | 8260B | 11 | | ug/L | 159 |
| 014 | MW9D | Aqueous | Toluene | 8260B | 0.30 | J | ug/L | 159 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 014 | MW9D | Aqueous | Trichloroethene | 8260B | 0.26 | J | ug/L | 159 |
| 014 | MW9D | Aqueous | Vinyl chloride | 8260B | 15 | | ug/L | 159 |
| 014 | MW9D | Aqueous | Acetophenone | 8270D | 0.41 | J | ug/L | 160 |
| 014 | MW9D | Aqueous | Naphthalene | 8270D | 0.077 | J | ug/L | 161 |
| 014 | MW9D | Aqueous | beta-BHC | 8081B | 0.022 | JP | ug/L | 165 |
| 014 | MW9D | Aqueous | delta-BHC | 8081B | 0.013 | JP | ug/L | 165 |
| 014 | MW9D | Aqueous | Methoxychlor | 8081B | 0.017 | JP | ug/L | 165 |
| 014 | MW9D | Aqueous | Arsenic | 6020A | 0.68 | BJ | ug/L | 166 |
| 014 | MW9D | Aqueous | Barium | 6020A | 150 | | ug/L | 166 |
| 014 | MW9D | Aqueous | Calcium | 6020A | 87000 | B | ug/L | 166 |
| 014 | MW9D | Aqueous | Chromium | 6020A | 0.88 | J | ug/L | 166 |
| 014 | MW9D | Aqueous | Copper | 6020A | 6.1 | | ug/L | 166 |
| 014 | MW9D | Aqueous | Manganese | 6020A | 49 | | ug/L | 166 |
| 014 | MW9D | Aqueous | Nickel | 6020A | 5.4 | | ug/L | 166 |
| 014 | MW9D | Aqueous | Zinc | 6020A | 160 | | ug/L | 166 |
| 015 | MW10 | Aqueous | Ammonia - N (phenate) | 350.1 | 0.070 | J | mg/L | 168 |
| 015 | MW10 | Aqueous | Bicarbonate Alkalinity | SM 2320B- | 260 | | mg/L | 168 |
| 015 | MW10 | Aqueous | Chloride | 300.0 | 17 | | mg/L | 168 |
| 015 | MW10 | Aqueous | CO2 (calculation) | SM 4500-CO2 | 500 | | mg/L | 168 |
| 015 | MW10 | Aqueous | Sulfide | SM 4500-S2 F- | 1.3 | | mg/L | 168 |
| 015 | MW10 | Aqueous | TDS | SM 2540C- | 500 | | mg/L | 168 |
| 015 | MW10 | Aqueous | Methyl iodide (Iodomethane) | 8260B | 0.53 | J | ug/L | 169 |
| 015 | MW10 | Aqueous | Toluene | 8260B | 0.77 | J | ug/L | 170 |
| 015 | MW10 | Aqueous | Vinyl chloride | 8260B | 0.56 | J | ug/L | 170 |
| 015 | MW10 | Aqueous | Xylenes (total) | 8260B | 0.43 | J | ug/L | 170 |
| 015 | MW10 | Aqueous | Acetophenone | 8270D | 1.3 | | ug/L | 171 |
| 015 | MW10 | Aqueous | bis(2-Ethylhexyl)phthalate | 8270D | 1.1 | J | ug/L | 172 |
| 015 | MW10 | Aqueous | 4,4'-DDT | 8081B | 0.017 | J | ug/L | 176 |
| 015 | MW10 | Aqueous | Endrin aldehyde | 8081B | 0.019 | JP | ug/L | 176 |
| 015 | MW10 | Aqueous | Arsenic | 6020A | 0.47 | BJ | ug/L | 177 |
| 015 | MW10 | Aqueous | Barium | 6020A | 88 | | ug/L | 177 |
| 015 | MW10 | Aqueous | Calcium | 6020A | 100000 | B | ug/L | 177 |
| 015 | MW10 | Aqueous | Cobalt | 6020A | 0.53 | J | ug/L | 177 |
| 015 | MW10 | Aqueous | Copper | 6020A | 21 | | ug/L | 177 |
| 015 | MW10 | Aqueous | Lead | 6020A | 0.16 | J | ug/L | 177 |
| 015 | MW10 | Aqueous | Manganese | 6020A | 15 | | ug/L | 177 |
| 015 | MW10 | Aqueous | Nickel | 6020A | 1.8 | J | ug/L | 177 |
| 015 | MW10 | Aqueous | Selenium | 6020A | 1.6 | | ug/L | 177 |
| 015 | MW10 | Aqueous | Vanadium | 6020A | 4.0 | J | ug/L | 177 |
| 015 | MW10 | Aqueous | Zinc | 6020A | 33 | | ug/L | 177 |
| 016 | SW1 | Aqueous | Acetone | 8260B | 1.7 | J | ug/L | 179 |
| 016 | SW1 | Aqueous | Antimony | 6020A | 0.17 | J | ug/L | 181 |
| 016 | SW1 | Aqueous | Arsenic | 6020A | 0.46 | BJ | ug/L | 181 |
| 016 | SW1 | Aqueous | Barium | 6020A | 29 | | ug/L | 181 |
| 016 | SW1 | Aqueous | Cobalt | 6020A | 0.36 | J | ug/L | 181 |
| 016 | SW1 | Aqueous | Copper | 6020A | 0.64 | J | ug/L | 181 |
| 016 | SW1 | Aqueous | Zinc | 6020A | 5.4 | J | ug/L | 181 |
| 017 | SW2 | Aqueous | Acetone | 8260B | 2.2 | J | ug/L | 183 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 017 | SW2 | Aqueous | Chloromethane (Methyl | 8260B | 0.22 | J | ug/L | 183 |
| 017 | SW2 | Aqueous | Arsenic | 6020A | 0.43 | BJ | ug/L | 185 |
| 017 | SW2 | Aqueous | Barium | 6020A | 99 | | ug/L | 185 |
| 017 | SW2 | Aqueous | Cobalt | 6020A | 0.84 | J | ug/L | 185 |
| 017 | SW2 | Aqueous | Copper | 6020A | 0.78 | J | ug/L | 185 |
| 017 | SW2 | Aqueous | Nickel | 6020A | 1.5 | J | ug/L | 185 |
| 017 | SW2 | Aqueous | Zinc | 6020A | 15 | | ug/L | 185 |
| 018 | SW3 | Aqueous | Acetone | 8260B | 3.1 | J | ug/L | 187 |
| 018 | SW3 | Aqueous | Arsenic | 6020A | 1.3 | B | ug/L | 189 |
| 018 | SW3 | Aqueous | Barium | 6020A | 96 | | ug/L | 189 |
| 018 | SW3 | Aqueous | Chromium | 6020A | 0.83 | J | ug/L | 189 |
| 018 | SW3 | Aqueous | Cobalt | 6020A | 0.52 | J | ug/L | 189 |
| 018 | SW3 | Aqueous | Copper | 6020A | 2.6 | | ug/L | 189 |
| 018 | SW3 | Aqueous | Lead | 6020A | 0.29 | J | ug/L | 189 |
| 018 | SW3 | Aqueous | Nickel | 6020A | 2.7 | J | ug/L | 189 |
| 018 | SW3 | Aqueous | Vanadium | 6020A | 3.5 | J | ug/L | 189 |
| 018 | SW3 | Aqueous | Zinc | 6020A | 17 | | ug/L | 189 |
| 019 | SW4 | Aqueous | Acetone | 8260B | 4.1 | J | ug/L | 191 |
| 019 | SW4 | Aqueous | Bromoform | 8260B | 1.2 | | ug/L | 191 |
| 019 | SW4 | Aqueous | Chloromethane (Methyl | 8260B | 0.33 | J | ug/L | 191 |
| 019 | SW4 | Aqueous | Methyl iodide (Iodomethane) | 8260B | 0.50 | J | ug/L | 191 |
| 019 | SW4 | Aqueous | 4-Methyl-2-pentanone | 8260B | 0.50 | J | ug/L | 191 |
| 019 | SW4 | Aqueous | Tetrahydrofuran | 8260B | 2.9 | J | ug/L | 191 |
| 019 | SW4 | Aqueous | Vinyl chloride | 8260B | 0.66 | J | ug/L | 192 |
| 019 | SW4 | Aqueous | Arsenic | 6020A | 0.80 | BJ | ug/L | 193 |
| 019 | SW4 | Aqueous | Barium | 6020A | 42 | | ug/L | 193 |
| 019 | SW4 | Aqueous | Cobalt | 6020A | 0.62 | J | ug/L | 193 |
| 019 | SW4 | Aqueous | Copper | 6020A | 0.72 | J | ug/L | 193 |
| 019 | SW4 | Aqueous | Nickel | 6020A | 0.65 | J | ug/L | 193 |
| 019 | SW4 | Aqueous | Zinc | 6020A | 7.5 | J | ug/L | 193 |
| 019 | SW4 | Aqueous | Mercury | 7470A | 0.000030 | J | mg/L | 194 |
| 020 | SWINF | Aqueous | Acetone | 8260B | 2.3 | J | ug/L | 195 |
| 020 | SWINF | Aqueous | Carbon disulfide | 8260B | 0.58 | J | ug/L | 195 |
| 020 | SWINF | Aqueous | Arsenic | 6020A | 0.88 | BJ | ug/L | 197 |
| 020 | SWINF | Aqueous | Barium | 6020A | 85 | | ug/L | 197 |
| 020 | SWINF | Aqueous | Cobalt | 6020A | 0.71 | J | ug/L | 197 |
| 020 | SWINF | Aqueous | Copper | 6020A | 1.2 | | ug/L | 197 |
| 020 | SWINF | Aqueous | Nickel | 6020A | 2.2 | J | ug/L | 197 |
| 020 | SWINF | Aqueous | Vanadium | 6020A | 1.1 | J | ug/L | 197 |
| 020 | SWINF | Aqueous | Zinc | 6020A | 13 | | ug/L | 197 |
| 021 | SWEFF | Aqueous | Acetone | 8260B | 8.0 | J | ug/L | 199 |
| 021 | SWEFF | Aqueous | Methyl iodide (Iodomethane) | 8260B | 0.50 | J | ug/L | 199 |
| 021 | SWEFF | Aqueous | Arsenic | 6020A | 1.3 | B | ug/L | 201 |
| 021 | SWEFF | Aqueous | Barium | 6020A | 81 | | ug/L | 201 |
| 021 | SWEFF | Aqueous | Cobalt | 6020A | 1.4 | J | ug/L | 201 |
| 021 | SWEFF | Aqueous | Copper | 6020A | 1.4 | | ug/L | 201 |
| 021 | SWEFF | Aqueous | Nickel | 6020A | 3.0 | J | ug/L | 201 |
| 021 | SWEFF | Aqueous | Zinc | 6020A | 20 | | ug/L | 201 |

# Executive Summary (Continued)

## Lot Number: QJ23019

| Sample | Sample ID | Matrix | Parameter | Method | Result | Q | Units | Page |
|---|---|---|---|---|---|---|---|---|
| 022 | TRIPBLANK | Aqueous | Chloroform | 8260B | 0.22 | J | ug/L | 203 |

(430 detections)

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1119 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0115 | MJI | | |
| 2 | | (Chloride) 300.0 | 1 | 11/05/2015 2247 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0115 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0007 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | | 350.1 | ND | | 0.10 | 0.050 | mg/L | 1 |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **130** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **45** | | **1.0** | **0.033** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **180** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **1.3** | | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **320** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1316 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1316 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| **Tetrachloroethene** | **127-18-4** | **8260B** | **0.23** | **J** | **1.0** | **0.22** | **ug/L** | **1** |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 96 | 70-130 |
| Toluene-d8 | | 104 | 70-130 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW1**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2102 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.27 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |

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J = Estimated result < PQL and ≥ MDL
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW1**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2102 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 1.5 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 0.23 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.57 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.55 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.77 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 0.39 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2102 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.38 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 0.54 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 84 | 41-144 |
| 2-Fluorobiphenyl | | 79 | 37-129 |
| 2-Fluorophenol | | 72 | 24-127 |
| Nitrobenzene-d5 | | 89 | 38-127 |
| Phenol-d5 | | 84 | 28-128 |
| Terphenyl-d14 | | 98 | 10-148 |

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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 2218 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 89 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW1**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-001**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 0930 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 81 | 10-133 |
| Tetrachloro-m-xylene | | 89 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW1**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1034 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 84 | 10-122 |
| Tetrachloro-m-xylene | | 87 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-001**
Description: **MW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0046 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1726 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| Arsenic | 7440-38-2 | 6020A | ND | | 1.0 | 0.26 | ug/L | 1 |
| **Barium** | **7440-39-3** | **6020A** | **140** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **42000** | **B** | **200** | **11** | **ug/L** | **1** |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| Cobalt | 7440-48-4 | 6020A | ND | | 5.0 | 0.26 | ug/L | 1 |
| **Copper** | **7440-50-8** | **6020A** | **0.91** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Manganese** | **7439-96-5** | **6020A** | **4.7** | **J** | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **1.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **5.8** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **25** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW1**
Date Sampled: **10/22/2015 0700**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-001**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1031 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

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B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-002**
Description: **MW2**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1119 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0136 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/05/2015 2258 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0136 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0008 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.072** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **110** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **10** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **230** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **500** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-002**
Description: **MW2**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1339 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
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H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1339 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 96 | 70-130 |
| Bromofluorobenzene | | 87 | 70-130 |
| Toluene-d8 | | 97 | 70-130 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
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# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2217 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.27 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2217 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 1.5 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 0.23 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.57 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.55 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.77 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 0.39 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2217 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.38 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 0.54 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 94 | 41-144 |
| 2-Fluorobiphenyl | | 86 | 37-129 |
| 2-Fluorophenol | | 79 | 24-127 |
| Nitrobenzene-d5 | | 95 | 38-127 |
| Phenol-d5 | | 91 | 28-128 |
| Terphenyl-d14 | | 81 | 10-148 |

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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 2327 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 79 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 0944 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 34 | 10-133 |
| Tetrachloro-m-xylene | | 81 | 31-122 |

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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-002**
Description: **MW2**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1118 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 37 | 10-122 |
| Tetrachloro-m-xylene | | 79 | 46-119 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0120 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1753 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.90** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **150** | | **5.0** | **0.53** | **ug/L** | **1** |
| **Beryllium** | **7440-41-7** | **6020A** | **0.15** | **J** | **0.40** | **0.12** | **ug/L** | **1** |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **97000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **0.98** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **2.9** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **20** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.81** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **270** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **2.8** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **11** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **52** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | H = Out of holding time
ND = Not detected at or above the MDL | J = Estimated result < PQL and ≥ MDL | P = The RPD between two GC columns exceeds 40% | N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW2**
Date Sampled: **10/22/2015 0730**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-002**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1032 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-003**
Description: **MW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1119 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0141 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/05/2015 2309 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0141 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0009 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.055** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **53** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **8.4** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **140** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **420** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1402 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **13** | | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1402 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **9.3** | | **5.0** | **0.57** | **ug/L** | **1** |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 95 | 70-130 |
| Toluene-d8 | | 103 | 70-130 |

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# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2241 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.27 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.12 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |

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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2241 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 1.5 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.090 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 0.23 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.57 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.55 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.77 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 0.39 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-003**
Description: **MW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 10/30/2015 2241 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.080 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.38 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 0.54 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.11 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 82 | 41-144 |
| 2-Fluorobiphenyl | | 65 | 37-129 |
| 2-Fluorophenol | | 58 | 24-127 |
| Nitrobenzene-d5 | | 72 | 38-127 |
| Phenol-d5 | | 70 | 28-128 |
| Terphenyl-d14 | | 59 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-003**
Description: **MW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 2350 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 75 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1024 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 31 | 10-133 |
| Tetrachloro-m-xylene | | 87 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"



Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-003**
Description: **MW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1133 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 37 | 10-122 |
| Tetrachloro-m-xylene | | 82 | 46-119 |

PQL = Practical quantitation limit
B = Detected in the method blank
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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# ICP-MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-003**
Description: **MW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0127 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1800 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.31** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **120** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| **Cadmium** | **7440-43-9** | **6020A** | **0.050** | **J** | **0.10** | **0.044** | **ug/L** | **1** |
| **Calcium** | **7440-70-2** | **6020A** | **72000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **1.1** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **3.0** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **2.6** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.61** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **1500** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **2.5** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **3.4** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **27** | | **10** | **1.6** | **ug/L** | **1** |

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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW3**
Date Sampled: **10/22/2015 0800**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-003**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1038 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-004**
Description: **MW4**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 5 | 11/05/2015 1140 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0149 | MJI | | |
| 3 | | (Chloride) 300.0 | 1 | 11/08/2015 2308 | TAF | | 89275 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0149 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0010 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **4.6** | | **0.50** | **0.25** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **370** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **20** | | **1.0** | **0.033** | **mg/L** | **3** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **710** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **620** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1424 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **13** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **0.84** | **J** | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1424 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| **4-Methyl-2-pentanone** | **108-10-1** | **8260B** | **0.59** | **J** | **10** | **0.29** | **ug/L** | **1** |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **27** | | **5.0** | **0.57** | **ug/L** | **1** |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **1.6** | | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 105 | 70-130 |
| Bromofluorobenzene | | 100 | 70-130 |
| Toluene-d8 | | 105 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1307 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1307 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-004**
Description: **MW4**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1307 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 87 | 41-144 |
| 2-Fluorobiphenyl | | 78 | 37-129 |
| 2-Fluorophenol | | 73 | 24-127 |
| Nitrobenzene-d5 | | 93 | 38-127 |
| Phenol-d5 | | 83 | 28-128 |
| Terphenyl-d14 | | 59 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0556 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 81 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1037 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 18 | 10-133 |
| Tetrachloro-m-xylene | | 60 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1147 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 20 | 10-122 |
| Tetrachloro-m-xylene | | 63 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0133 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1814 | RZ | 10/28/2015 0843 | 88190 |
| 4 | 3005A | 6020A | 40 | 11/10/2015 1807 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **2.4** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **480** | | **5.0** | **0.53** | **ug/L** | **1** |
| **Beryllium** | **7440-41-7** | **6020A** | **0.14** | **J** | **0.40** | **0.12** | **ug/L** | **1** |
| **Cadmium** | **7440-43-9** | **6020A** | **0.050** | **J** | **0.10** | **0.044** | **ug/L** | **1** |
| **Calcium** | **7440-70-2** | **6020A** | **69000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **1.0** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **30** | | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **2.2** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.27** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **42000** | | **200** | **21** | **ug/L** | **4** |
| **Nickel** | **7440-02-0** | **6020A** | **1.9** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **3.1** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **94** | | **10** | **1.6** | **ug/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW4**
Date Sampled: **10/22/2015 0830**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-004**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1040 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0154 | MJI | | |
| 2 | | (Chloride) 300.0 | 1 | 11/05/2015 2354 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0154 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0017 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 2 | | (TDS) SM 2540C-2011 | 1 | 10/29/2015 2021 | DMA | | 88319 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.070** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **130** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **12** | | **1.0** | **0.033** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **140** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **0.70** | **J** | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **220** | | **10** | **3.4** | **mg/L** | **2** |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-005**
Description: **MW4D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1447 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **0.65** | **J** | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1447 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **0.49** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| **Trichlorofluoromethane** | **75-69-4** | **8260B** | **1.2** | | **1.0** | **0.74** | **ug/L** | **1** |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.68** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 93 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

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# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1333 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.74** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1333 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| **bis(2-Ethylhexyl)phthalate** | **117-81-7** | **8270D** | **1.0** | **J** | **5.0** | **0.38** | **ug/L** | **1** |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| **Naphthalene** | **91-20-3** | **8270D** | **0.072** | **J** | **1.0** | **0.050** | **ug/L** | **1** |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-005**
Description: **MW4D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1333 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 75 | 37-129 |
| 2-Fluorophenol | | 74 | 24-127 |
| Nitrobenzene-d5 | | 90 | 38-127 |
| Phenol-d5 | | 85 | 28-128 |
| Terphenyl-d14 | | 83 | 10-148 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 0013 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 78 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-005**
Description: **MW4D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1050 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 56 | 10-133 |
| Tetrachloro-m-xylene | | 88 | 31-122 |

PQL = Practical quantitation limit
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-005**
Description: **MW4D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1202 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 59 | 10-122 |
| Tetrachloro-m-xylene | | 87 | 46-119 |

PQL = Practical quantitation limit
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# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0154 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/10/2015 1841 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.30** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **33** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **38000** | **B** | **200** | **11** | **ug/L** | **1** |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| Cobalt | 7440-48-4 | 6020A | ND | | 5.0 | 0.26 | ug/L | 1 |
| **Copper** | **7440-50-8** | **6020A** | **1.3** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.15** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **11** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **0.87** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **4.0** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **8.6** | **J** | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit | B = Detected in the method blank | E = Quantitation of compound exceeded the calibration range | H = Out of holding time
ND = Not detected at or above the MDL | J = Estimated result < PQL and ≥ MDL | P = The RPD between two GC columns exceeds 40% | N = Recovery is out of criteria
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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW4D**
Date Sampled: **10/22/2015 0900**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-005**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1042 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 2 | 11/05/2015 1153 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0205 | MJI | | |
| 2 | | (Chloride) 300.0 | 1 | 11/06/2015 0005 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0205 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0023 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **2.8** | | **0.20** | **0.10** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **570** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **45** | | **1.0** | **0.033** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **840** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **720** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW5**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1509 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.55** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **12** | | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **0.42** | **J** | **1.0** | **0.20** | **ug/L** | **1** |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1509 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **23** | | **5.0** | **0.57** | **ug/L** | **1** |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **3.3** | | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 93 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1359 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1359 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1359 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 73 | 37-129 |
| 2-Fluorophenol | | 69 | 24-127 |
| Nitrobenzene-d5 | | 85 | 38-127 |
| Phenol-d5 | | 77 | 28-128 |
| Terphenyl-d14 | | 52 | 10-148 |

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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW5**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0619 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 83 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW5**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-006**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1104 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 17 | 10-133 |
| Tetrachloro-m-xylene | | 84 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW5**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1217 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 18 | 10-122 |
| Tetrachloro-m-xylene | | 72 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-006**
Description: **MW5**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0200 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1854 | RZ | 10/28/2015 0843 | 88190 |
| 4 | 3005A | 6020A | 2 | 11/10/2015 1847 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.5** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **320** | | **5.0** | **0.53** | **ug/L** | **1** |
| **Beryllium** | **7440-41-7** | **6020A** | **0.12** | **J** | **0.40** | **0.12** | **ug/L** | **1** |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **120000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **2.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **1.9** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **4.7** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **1.5** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **4600** | | **10** | **1.1** | **ug/L** | **4** |
| **Nickel** | **7440-02-0** | **6020A** | **5.2** | | **5.0** | **0.63** | **ug/L** | **1** |
| **Selenium** | **7782-49-2** | **6020A** | **2.3** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **6.8** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **64** | | **10** | **1.6** | **ug/L** | **1** |

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ND = Not detected at or above the MDL
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW5**
Date Sampled: **10/22/2015 0930**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-006**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1044 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0224 | MJI | | |
| 2 | | (Chloride) 300.0 | 1 | 11/06/2015 0016 | TAF | | 89010 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0224 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0025 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 2 | | (TDS) SM 2540C-2011 | 1 | 10/29/2015 2021 | DMA | | 88319 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.083** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **130** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **12** | | **1.0** | **0.033** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **150** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **1.8** | | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **220** | | **10** | **3.4** | **mg/L** | **2** |

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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-007**
Description: **MW5D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1532 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-007**
Description: **MW5D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1532 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **0.48** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.62** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 104 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

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N = Recovery is out of criteria
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# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1424 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1424 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| **bis(2-Ethylhexyl)phthalate** | **117-81-7** | **8270D** | **1.8** | **J** | **5.0** | **0.38** | **ug/L** | **1** |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| **Naphthalene** | **91-20-3** | **8270D** | **0.081** | **J** | **1.0** | **0.050** | **ug/L** | **1** |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1424 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 88 | 41-144 |
| 2-Fluorobiphenyl | | 75 | 37-129 |
| 2-Fluorophenol | | 71 | 24-127 |
| Nitrobenzene-d5 | | 88 | 38-127 |
| Phenol-d5 | | 84 | 28-128 |
| Terphenyl-d14 | | 83 | 10-148 |

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N = Recovery is out of criteria
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# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 0035 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 78 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-007**
Description: **MW5D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1117 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 47 | 10-133 |
| Tetrachloro-m-xylene | | 88 | 31-122 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1232 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 49 | 10-122 |
| Tetrachloro-m-xylene | | 86 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0207 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/10/2015 1901 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.2** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **36** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **35000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **1.1** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **1.4** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **4.6** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.50** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **370** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **1.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **5.9** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **13** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW5D**
Date Sampled: **10/22/2015 1000**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-007**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1050 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.** Laboratory ID: **QJ23019-008**

Description: **MW6** Matrix: **Aqueous**

Date Sampled: **10/22/2015 1030**

Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0245 | MJI | | |
| 3 | | (Chloride) 300.0 | 5 | 11/08/2015 2319 | TAF | | 89275 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0245 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0026 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.85** | | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **440** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **48** | | **5.0** | **0.16** | **mg/L** | **3** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **590** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **610** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-008**
Description: **MW6**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1555 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.28** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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J = Estimated result < PQL and ≥ MDL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-008**
Description: **MW6**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1555 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **2.5** | | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 100 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-008**
Description: **MW6**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1451 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acetophenone | 98-86-2 | 8270D | ND | | 1.0 | 0.23 | ug/L | 1 |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW6**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1451 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW6**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1451 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 70 | 41-144 |
| 2-Fluorobiphenyl | | 64 | 37-129 |
| 2-Fluorophenol | | 61 | 24-127 |
| Nitrobenzene-d5 | | 76 | 38-127 |
| Phenol-d5 | | 70 | 28-128 |
| Terphenyl-d14 | | 47 | 10-148 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW6**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0447 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 67 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-008**
Description: **MW6**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1131 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 19 | 10-133 |
| Tetrachloro-m-xylene | | 75 | 31-122 |

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# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW6**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1246 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 20 | 10-122 |
| Tetrachloro-m-xylene | | 68 | 46-119 |

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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-008**
Description: **MW6**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0214 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1914 | RZ | 10/28/2015 0843 | 88190 |
| 4 | 3005A | 6020A | 2 | 11/10/2015 1908 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **5.8** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **230** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| **Cadmium** | **7440-43-9** | **6020A** | **0.15** | | **0.10** | **0.044** | **ug/L** | **1** |
| **Calcium** | **7440-70-2** | **6020A** | **100000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **5.3** | | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **1.3** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **18** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.75** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **3700** | | **10** | **1.1** | **ug/L** | **4** |
| **Nickel** | **7440-02-0** | **6020A** | **3.7** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Selenium** | **7782-49-2** | **6020A** | **2.1** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **4.8** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **54** | | **10** | **1.6** | **ug/L** | **1** |

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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW6**
Date Sampled: **10/22/2015 1030**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-008**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1051 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0252 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/06/2015 0112 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0252 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0031 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/27/2015 1518 | DMA | | 88132 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.079** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **340** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **49** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **800** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **620** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-009**
Description: **MW7**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1618 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **1.7** | | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| **Bromoform** | **75-25-2** | **8260B** | **0.41** | **J** | **1.0** | **0.35** | **ug/L** | **1** |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| **Chloromethane (Methyl chloride)** | **74-87-3** | **8260B** | **0.23** | **J** | **1.0** | **0.19** | **ug/L** | **1** |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| **Dichlorodifluoromethane** | **75-71-8** | **8260B** | **0.92** | **J** | **2.0** | **0.85** | **ug/L** | **1** |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| **1,2-Dichloroethane** | **107-06-2** | **8260B** | **4.5** | | **1.0** | **0.23** | **ug/L** | **1** |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **0.73** | **J** | **1.0** | **0.31** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **0.88** | **J** | **1.0** | **0.20** | **ug/L** | **1** |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Ethyl methacrylate** | **97-63-2** | **8260B** | **0.59** | **J** | **5.0** | **0.21** | **ug/L** | **1** |
| **Ethylbenzene** | **100-41-4** | **8260B** | **0.59** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| **2-Hexanone** | **591-78-6** | **8260B** | **1.1** | **J** | **10** | **0.26** | **ug/L** | **1** |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| **Methacrylonitrile** | **126-98-7** | **8260B** | **1.3** | **J** | **5.0** | **0.31** | **ug/L** | **1** |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1618 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| **4-Methyl-2-pentanone** | **108-10-1** | **8260B** | **0.73** | **J** | **10** | **0.29** | **ug/L** | **1** |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| **Styrene** | **100-42-5** | **8260B** | **0.13** | **J** | **1.0** | **0.13** | **ug/L** | **1** |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **14** | | **5.0** | **0.57** | **ug/L** | **1** |
| **Toluene** | **108-88-3** | **8260B** | **0.44** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Trichloroethene** | **79-01-6** | **8260B** | **0.25** | **J** | **1.0** | **0.16** | **ug/L** | **1** |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **2.8** | | **1.0** | **0.50** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.99** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1517 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.71** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| **Anthracene** | **120-12-7** | **8270D** | **0.18** | **J** | **1.0** | **0.10** | **ug/L** | **1** |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1517 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-009**
Description: **MW7**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1517 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| **Phenanthrene** | **85-01-8** | **8270D** | **0.20** | **J** | **1.0** | **0.060** | **ug/L** | **1** |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 100 | 41-144 |
| 2-Fluorobiphenyl | | 84 | 37-129 |
| 2-Fluorophenol | | 77 | 24-127 |
| Nitrobenzene-d5 | | 94 | 38-127 |
| Phenol-d5 | | 88 | 28-128 |
| Terphenyl-d14 | | 65 | 10-148 |

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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-009**
Description: **MW7**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0510 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| **Dinoseb** | **88-85-7** | **8151A** | **0.53** | **JP** | **1.0** | **0.44** | **ug/L** | **1** |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 81 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1144 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 32 | 10-133 |
| Tetrachloro-m-xylene | | 88 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1301 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081B** | **0.16** | **P** | **0.040** | **0.015** | **ug/L** | **1** |
| **delta-BHC** | **319-86-8** | **8081B** | **0.017** | **JP** | **0.040** | **0.012** | **ug/L** | **1** |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| **4,4'-DDT** | **50-29-3** | **8081B** | **0.015** | **JP** | **0.040** | **0.015** | **ug/L** | **1** |
| **Dieldrin** | **60-57-1** | **8081B** | **0.087** | | **0.040** | **0.010** | **ug/L** | **1** |
| **Endosulfan I** | **959-98-8** | **8081B** | **0.071** | **P** | **0.040** | **0.011** | **ug/L** | **1** |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| **Endrin** | **72-20-8** | **8081B** | **0.047** | **P** | **0.040** | **0.012** | **ug/L** | **1** |
| **Endrin aldehyde** | **7421-93-4** | **8081B** | **0.033** | **JP** | **0.040** | **0.012** | **ug/L** | **1** |
| **Heptachlor** | **76-44-8** | **8081B** | **0.089** | | **0.040** | **0.012** | **ug/L** | **1** |
| **Heptachlor epoxide** | **1024-57-3** | **8081B** | **0.14** | | **0.040** | **0.011** | **ug/L** | **1** |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 36 | 10-122 |
| Tetrachloro-m-xylene | | 100 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0221 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/10/2015 1921 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.3** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **150** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **53000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **0.79** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **1.1** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **3.7** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.32** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **42** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **2.1** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Selenium** | **7782-49-2** | **6020A** | **2.6** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **5.5** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **75** | | **10** | **1.6** | **ug/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW7**
Date Sampled: **10/22/2015 1100**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-009**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1053 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0303 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/06/2015 0123 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0303 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0032 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.22** | | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **630** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **60** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **1100** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **1000** | | **10** | **3.4** | **mg/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1641 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **2.9** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.78** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| **Ethylbenzene** | **100-41-4** | **8260B** | **0.29** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-010**
Description: **MW7D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1641 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **13** | | **5.0** | **0.57** | **ug/L** | **1** |
| **Toluene** | **108-88-3** | **8260B** | **1.5** | | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **1.4** | | **1.0** | **0.50** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **1.8** | | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 101 | 70-130 |
| Bromofluorobenzene | | 89 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1542 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **1.1** | | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| **Anthracene** | **120-12-7** | **8270D** | **0.19** | **J** | **1.0** | **0.10** | **ug/L** | **1** |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| **2,4-Dimethylphenol** | **105-67-9** | **8270D** | **0.51** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1542 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| **bis(2-Ethylhexyl)phthalate** | **117-81-7** | **8270D** | **28** | | **5.0** | **0.38** | **ug/L** | **1** |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| **Naphthalene** | **91-20-3** | **8270D** | **0.087** | **J** | **1.0** | **0.050** | **ug/L** | **1** |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-010**
Description: **MW7D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1542 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 90 | 41-144 |
| 2-Fluorobiphenyl | | 75 | 37-129 |
| 2-Fluorophenol | | 70 | 24-127 |
| Nitrobenzene-d5 | | 86 | 38-127 |
| Phenol-d5 | | 81 | 28-128 |
| Terphenyl-d14 | | 69 | 10-148 |

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# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-010**
Description: **MW7D**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/02/2015 0058 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 85 | 62-117 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1157 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 31 | 10-133 |
| Tetrachloro-m-xylene | | 89 | 31-122 |

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# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1316 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081B** | **0.060** | **P** | **0.040** | **0.015** | **ug/L** | **1** |
| **delta-BHC** | **319-86-8** | **8081B** | **0.021** | **J** | **0.040** | **0.012** | **ug/L** | **1** |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| **4,4'-DDE** | **72-55-9** | **8081B** | **0.022** | **J** | **0.040** | **0.0090** | **ug/L** | **1** |
| **4,4'-DDT** | **50-29-3** | **8081B** | **0.015** | **JP** | **0.040** | **0.015** | **ug/L** | **1** |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| **Endosulfan I** | **959-98-8** | **8081B** | **0.084** | | **0.040** | **0.011** | **ug/L** | **1** |
| **Endosulfan II** | **33213-65-9** | **8081B** | **0.016** | **JP** | **0.040** | **0.0090** | **ug/L** | **1** |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| **Endrin aldehyde** | **7421-93-4** | **8081B** | **0.095** | | **0.040** | **0.012** | **ug/L** | **1** |
| **Heptachlor** | **76-44-8** | **8081B** | **0.061** | | **0.040** | **0.012** | **ug/L** | **1** |
| **Heptachlor epoxide** | **1024-57-3** | **8081B** | **0.020** | **JP** | **0.040** | **0.011** | **ug/L** | **1** |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 30 | 10-122 |
| Tetrachloro-m-xylene | | 89 | 46-119 |

PQL = Practical quantitation limit
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# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0227 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 2 | 11/09/2015 2206 | RZ | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/10/2015 1935 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.8** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **270** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **210000** | **B** | **400** | **23** | **ug/L** | **2** |
| **Chromium** | **7440-47-3** | **6020A** | **0.65** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **2.3** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **1.0** | | **1.0** | **0.15** | **ug/L** | **1** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Manganese** | **7439-96-5** | **6020A** | **860** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **14** | | **5.0** | **0.63** | **ug/L** | **1** |
| **Selenium** | **7782-49-2** | **6020A** | **2.2** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **3.6** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **59** | | **10** | **1.6** | **ug/L** | **1** |

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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW7D**
Date Sampled: **10/22/2015 1130**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-010**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1055 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0309 | MJI | | |
| 2 | | (Chloride) 300.0 | 3 | 11/06/2015 0134 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0309 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0033 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.14** | | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **110** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **73** | | **3.0** | **0.099** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **270** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **350** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1704 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| **Chloroform** | **67-66-3** | **8260B** | **0.89** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1704 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **0.41** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.66** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 104 | 70-130 |
| Bromofluorobenzene | | 95 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

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ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
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P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1609 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.79** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1609 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| **Naphthalene** | **91-20-3** | **8270D** | **0.072** | **J** | **1.0** | **0.050** | **ug/L** | **1** |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

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B = Detected in the method blank
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P = The RPD between two GC columns exceeds 40%
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1609 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 79 | 41-144 |
| 2-Fluorobiphenyl | | 73 | 37-129 |
| 2-Fluorophenol | | 68 | 24-127 |
| Nitrobenzene-d5 | | 84 | 38-127 |
| Phenol-d5 | | 80 | 28-128 |
| Terphenyl-d14 | | 73 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0121 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 82 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1211 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 39 | 10-133 |
| Tetrachloro-m-xylene | | 95 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1331 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 39 | 10-122 |
| Tetrachloro-m-xylene | | 90 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0234 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/11/2015 1513 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.3** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **48** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **34000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **1.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **5.8** | | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **8.3** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.23** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **270** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **2.6** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Selenium** | **7782-49-2** | **6020A** | **2.0** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **6.7** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **24** | | **10** | **1.6** | **ug/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW8**
Date Sampled: **10/22/2015 1200**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-011**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1057 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1128 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0316 | MJI | | |
| 2 | | (Chloride) 300.0 | 1 | 11/06/2015 0145 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0316 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0034 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.069** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **160** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **31** | | **1.0** | **0.033** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **160** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **1.7** | | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **280** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1726 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **1.2** | | **1.0** | **0.31** | **ug/L** | **1** |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/28/2015 1726 | SES | | 88208 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **0.28** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| **Trichlorofluoromethane** | **75-69-4** | **8260B** | **1.8** | | **1.0** | **0.74** | **ug/L** | **1** |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.49** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 94 | 70-130 |
| Toluene-d8 | | 102 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1635 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.44** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1635 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1635 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 87 | 41-144 |
| 2-Fluorobiphenyl | | 76 | 37-129 |
| 2-Fluorophenol | | 72 | 24-127 |
| Nitrobenzene-d5 | | 89 | 38-127 |
| Phenol-d5 | | 84 | 28-128 |
| Terphenyl-d14 | | 96 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0144 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 86 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1224 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 76 | 10-133 |
| Tetrachloro-m-xylene | | 81 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1345 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 77 | 10-122 |
| Tetrachloro-m-xylene | | 80 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0241 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/11/2015 1520 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **7440-36-0** | **6020A** | **0.39** | **J** | **1.0** | **0.17** | **ug/L** | **1** |
| **Arsenic** | **7440-38-2** | **6020A** | **0.59** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **55** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **54000** | **B** | **200** | **11** | **ug/L** | **1** |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| Cobalt | 7440-48-4 | 6020A | ND | | 5.0 | 0.26 | ug/L | 1 |
| **Copper** | **7440-50-8** | **6020A** | **1.7** | | **1.0** | **0.15** | **ug/L** | **1** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Manganese** | **7439-96-5** | **6020A** | **3.4** | **J** | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **1.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **4.0** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **16** | | **10** | **1.6** | **ug/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW8D**
Date Sampled: **10/22/2015 1230**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-012**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1059 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1136 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0326 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/06/2015 0218 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0326 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0035 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/26/2015 1023 | AMM1 | | 88066 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.11** | | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **580** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **35** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **1300** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| Sulfide | 18496-25-8 | SM 4500-S2 | ND | | 1.0 | 0.62 | mg/L | 1 |
| **TDS** | | **SM 2540C-20** | **810** | | **10** | **3.4** | **mg/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0153 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **2.0** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **1.5** | | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **0.68** | **J** | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| **1,1-Dichloroethane** | **75-34-3** | **8260B** | **0.25** | **J** | **1.0** | **0.19** | **ug/L** | **1** |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **0.76** | **J** | **1.0** | **0.31** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **3.7** | | **1.0** | **0.20** | **ug/L** | **1** |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

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ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0153 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| **Methylene chloride** | **75-09-2** | **8260B** | **0.64** | **J** | **1.0** | **0.42** | **ug/L** | **1** |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **5.3** | | **5.0** | **0.57** | **ug/L** | **1** |
| **Toluene** | **108-88-3** | **8260B** | **0.42** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **19** | | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 101 | 70-130 |
| Bromofluorobenzene | | 108 | 70-130 |
| Toluene-d8 | | 113 | 70-130 |

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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1701 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.55** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1701 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1701 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 89 | 41-144 |
| 2-Fluorobiphenyl | | 79 | 37-129 |
| 2-Fluorophenol | | 76 | 24-127 |
| Nitrobenzene-d5 | | 94 | 38-127 |
| Phenol-d5 | | 86 | 28-128 |
| Terphenyl-d14 | | 90 | 10-148 |

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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0207 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 87 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1237 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 44 | 10-133 |
| Tetrachloro-m-xylene | | 80 | 31-122 |

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# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1400 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Aldrin** | **309-00-2** | **8081B** | **0.011** | **J** | **0.040** | **0.0090** | **ug/L** | **1** |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081B** | **0.080** | **P** | **0.040** | **0.015** | **ug/L** | **1** |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| **Heptachlor** | **76-44-8** | **8081B** | **0.063** | | **0.040** | **0.012** | **ug/L** | **1** |
| **Heptachlor epoxide** | **1024-57-3** | **8081B** | **0.019** | **J** | **0.040** | **0.011** | **ug/L** | **1** |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 44 | 10-122 |
| Tetrachloro-m-xylene | | 76 | 46-119 |

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# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0248 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/11/2015 1527 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.1** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **350** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **74000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **2.4** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **5.4** | | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **6.2** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.16** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **180** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **4.6** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **8.6** | | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **71** | | **10** | **1.6** | **ug/L** | **1** |

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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW9**
Date Sampled: **10/22/2015 1300**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-013**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1101 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | 0.00052 | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1136 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 10/28/2015 0337 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/06/2015 0229 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 10/28/2015 0337 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0036 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/28/2015 1342 | AMM1 | | 88239 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.14** | | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **640** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **24** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **670** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **2.1** | | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **850** | | **10** | **3.4** | **mg/L** | **1** |

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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0216 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **3.0** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| **Benzene** | **71-43-2** | **8260B** | **0.69** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| **1,1-Dichloroethane** | **75-34-3** | **8260B** | **0.44** | **J** | **1.0** | **0.19** | **ug/L** | **1** |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| **1,1-Dichloroethene** | **75-35-4** | **8260B** | **8.8** | | **1.0** | **0.31** | **ug/L** | **1** |
| **cis-1,2-Dichloroethene** | **156-59-2** | **8260B** | **2.8** | | **1.0** | **0.20** | **ug/L** | **1** |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| **Methyl iodide (Iodomethane)** | **74-88-4** | **8260B** | **0.34** | **J** | **5.0** | **0.28** | **ug/L** | **1** |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0216 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| **Methylene chloride** | **75-09-2** | **8260B** | **7.8** | | **1.0** | **0.42** | **ug/L** | **1** |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| **Tetrachloroethene** | **127-18-4** | **8260B** | **0.92** | **J** | **1.0** | **0.22** | **ug/L** | **1** |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **11** | | **5.0** | **0.57** | **ug/L** | **1** |
| **Toluene** | **108-88-3** | **8260B** | **0.30** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Trichloroethene** | **79-01-6** | **8260B** | **0.26** | **J** | **1.0** | **0.16** | **ug/L** | **1** |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **15** | | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 98 | 70-130 |
| Bromofluorobenzene | | 111 | 70-130 |
| Toluene-d8 | | 113 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1727 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **0.41** | **J** | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1727 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | 8270D | ND | | 5.0 | 0.38 | ug/L | 1 |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| **Naphthalene** | **91-20-3** | **8270D** | **0.077** | **J** | **1.0** | **0.050** | **ug/L** | **1** |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1727 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 87 | 41-144 |
| 2-Fluorobiphenyl | | 74 | 37-129 |
| 2-Fluorophenol | | 67 | 24-127 |
| Nitrobenzene-d5 | | 85 | 38-127 |
| Phenol-d5 | | 78 | 28-128 |
| Terphenyl-d14 | | 82 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0230 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 86 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1251 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 44 | 10-133 |
| Tetrachloro-m-xylene | | 96 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1415 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| **beta-BHC** | **319-85-7** | **8081B** | **0.022** | **JP** | **0.040** | **0.015** | **ug/L** | **1** |
| **delta-BHC** | **319-86-8** | **8081B** | **0.013** | **JP** | **0.040** | **0.012** | **ug/L** | **1** |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDT | 50-29-3 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Endrin aldehyde | 7421-93-4 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| **Methoxychlor** | **72-43-5** | **8081B** | **0.017** | **JP** | **0.16** | **0.017** | **ug/L** | **1** |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 45 | 10-122 |
| Tetrachloro-m-xylene | | 94 | 46-119 |

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0254 | BNW | 10/28/2015 0843 | 88190 |
| 2 | 3005A | 6020A | 1 | 11/11/2015 1533 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.68** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **150** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **87000** | **B** | **200** | **11** | **ug/L** | **1** |
| **Chromium** | **7440-47-3** | **6020A** | **0.88** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Cobalt | 7440-48-4 | 6020A | ND | | 5.0 | 0.26 | ug/L | 1 |
| **Copper** | **7440-50-8** | **6020A** | **6.1** | | **1.0** | **0.15** | **ug/L** | **1** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Manganese** | **7439-96-5** | **6020A** | **49** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **5.4** | | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 2 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| Vanadium | 7440-62-2 | 6020A | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Zinc** | **7440-66-6** | **6020A** | **160** | | **10** | **1.6** | **ug/L** | **1** |

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E = Quantitation of compound exceeded the calibration range
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW9D**
Date Sampled: **10/22/2015 1330**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-014**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1102 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

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E = Quantitation of compound exceeded the calibration range
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Inorganic non-metals

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 350.1 | (Ammonia - N ) 350.1 | 1 | 11/05/2015 1136 | BWS | 11/04/2015 1351 | 88719 |
| 1 | | (Bicarbonate ) SM 2320B-2011 | 1 | 11/03/2015 1626 | MJI | | |
| 2 | | (Chloride) 300.0 | 5 | 11/06/2015 0240 | TAF | | 89079 |
| 1 | | (CO2 (calcula) SM 4500-CO2 D | 1 | 11/03/2015 1626 | MJI | | |
| 2 | | (Cyanide) SM 4500-CN E-2011 | 1 | 10/30/2015 0038 | HMA | 10/29/2015 1900 | 88358 |
| 1 | | (Sulfide) SM 4500-S2 F-2011 | 1 | 10/28/2015 1342 | AMM1 | | 88239 |
| 1 | | (TDS) SM 2540C-2011 | 1 | 10/28/2015 1212 | DMA | | 88216 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Ammonia - N (phenate)** | | **350.1** | **0.070** | **J** | **0.10** | **0.050** | **mg/L** | **1** |
| **Bicarbonate Alkalinity** | | **SM 2320B-20** | **260** | | **10** | **3.9** | **mg/L** | **1** |
| **Chloride** | | **300.0** | **17** | | **5.0** | **0.16** | **mg/L** | **2** |
| **CO2 (calculation)** | **124-38-9** | **SM 4500-CO2** | **500** | | **27** | | **mg/L** | **1** |
| Cyanide | 57-12-5 | SM 4500-CN | ND | | 0.010 | 0.0060 | mg/L | 2 |
| **Sulfide** | **18496-25-8** | **SM 4500-S2** | **1.3** | | **1.0** | **0.62** | **mg/L** | **1** |
| **TDS** | | **SM 2540C-20** | **500** | | **10** | **3.4** | **mg/L** | **1** |

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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0239 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| **Methyl iodide (Iodomethane)** | **74-88-4** | **8260B** | **0.53** | **J** | **5.0** | **0.28** | **ug/L** | **1** |

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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0239 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| **Toluene** | **108-88-3** | **8260B** | **0.77** | **J** | **1.0** | **0.24** | **ug/L** | **1** |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **0.56** | **J** | **1.0** | **0.50** | **ug/L** | **1** |
| **Xylenes (total)** | **1330-20-7** | **8260B** | **0.43** | **J** | **1.0** | **0.32** | **ug/L** | **1** |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 107 | 70-130 |
| Toluene-d8 | | 111 | 70-130 |

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# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1753 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Acenaphthylene | 208-96-8 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| **Acetophenone** | **98-86-2** | **8270D** | **1.3** | | **1.0** | **0.23** | **ug/L** | **1** |
| 2-Acetylaminofluorene | 53-96-3 | 8270D | ND | | 5.0 | 1.7 | ug/L | 1 |
| 4-Aminobiphenyl | 92-67-1 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| Anthracene | 120-12-7 | 8270D | ND | | 1.0 | 0.10 | ug/L | 1 |
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(a)pyrene | 50-32-8 | 8270D | ND | | 1.0 | 0.070 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(g,h,i)perylene | 191-24-2 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Benzyl alcohol | 100-51-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | 101-55-3 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Butyl benzyl phthalate | 85-68-7 | 8270D | ND | | 5.0 | 0.21 | ug/L | 1 |
| 4-Chloro-3-methyl phenol | 59-50-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 4-Chloroaniline | 106-47-8 | 8270D | ND | | 1.0 | 0.13 | ug/L | 1 |
| Chlorobenzilate | 510-15-6 | 8270D | ND | | 2.0 | 0.41 | ug/L | 1 |
| bis(2-Chloroethoxy)methane | 111-91-1 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| bis(2-Chloroethyl)ether | 111-44-4 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| bis (2-Chloro-1-methylethyl) ether | 108-60-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2-Chloronaphthalene | 91-58-7 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2-Chlorophenol | 95-57-8 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Diallate - isomer 1 | 2303-16-4 | 8270D | ND | | 2.0 | 0.67 | ug/L | 1 |
| Diallate - isomer 2 | 2303-16-4 | 8270D | ND | | 2.0 | 0.68 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Dibenzofuran | 132-64-9 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8270D | ND | | 1.0 | 0.18 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | 91-94-1 | 8270D | ND | | 5.0 | 0.81 | ug/L | 1 |
| 2,4-Dichlorophenol | 120-83-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,6-Dichlorophenol | 87-65-0 | 8270D | ND | | 1.0 | 0.34 | ug/L | 1 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | 297-97-2 | 8270D | ND | | 1.0 | 0.35 | ug/L | 1 |
| Diethylphthalate | 84-66-2 | 8270D | ND | | 5.0 | 0.19 | ug/L | 1 |
| Dimethoate | 60-51-5 | 8270D | ND | | 2.0 | 0.71 | ug/L | 1 |
| Dimethyl phthalate | 131-11-3 | 8270D | ND | | 5.0 | 0.18 | ug/L | 1 |
| p-(Dimethylamino)azobenzene | 60-11-7 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| 3,3'-Dimethylbenzidine | 119-93-7 | 8270D | ND | | 5.0 | 0.30 | ug/L | 1 |
| 7,12-Dimethylbenzo(a)anthracene | 57-97-6 | 8270D | ND | | 2.0 | 1.1 | ug/L | 1 |
| a,a-Dimethylphenethylamine | 122-09-8 | 8270D | ND | | 10 | 0.080 | ug/L | 1 |
| 2,4-Dimethylphenol | 105-67-9 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Di-n-butyl phthalate | 84-74-2 | 8270D | ND | | 5.0 | 0.84 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1753 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 534-52-1 | 8270D | ND | | 5.0 | 0.89 | ug/L | 1 |
| 1,3-Dinitrobenzene | 99-65-0 | 8270D | ND | | 5.0 | 0.77 | ug/L | 1 |
| 2,4-Dinitrophenol | 51-28-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| 2,4-Dinitrotoluene | 121-14-2 | 8270D | ND | | 2.0 | 1.8 | ug/L | 1 |
| 2,6-Dinitrotoluene | 606-20-2 | 8270D | ND | | 2.0 | 0.34 | ug/L | 1 |
| Di-n-octylphthalate | 117-84-0 | 8270D | ND | | 5.0 | 0.48 | ug/L | 1 |
| Disulfoton | 298-04-4 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| Ethyl methanesulfonate | 62-50-0 | 8270D | ND | | 1.0 | 0.42 | ug/L | 1 |
| Ethyl parathion | 56-38-2 | 8270D | ND | | 5.0 | 2.2 | ug/L | 1 |
| **bis(2-Ethylhexyl)phthalate** | **117-81-7** | **8270D** | **1.1** | **J** | **5.0** | **0.38** | **ug/L** | **1** |
| Famphur | 52-85-7 | 8270D | ND | | 5.0 | 4.1 | ug/L | 1 |
| Fluoranthene | 206-44-0 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| Fluorene | 86-73-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| Hexachlorobenzene | 118-74-1 | 8270D | ND | | 1.0 | 0.15 | ug/L | 1 |
| Hexachlorobutadiene | 87-68-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachlorocyclopentadiene | 77-47-4 | 8270D | ND | | 5.0 | 1.1 | ug/L | 1 |
| Hexachloroethane | 67-72-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| Hexachloropropene | 1888-71-7 | 8270D | ND | | 2.0 | 0.27 | ug/L | 1 |
| Indeno(1,2,3-c,d)pyrene | 193-39-5 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| Isodrin | 465-73-6 | 8270D | ND | | 1.0 | 0.52 | ug/L | 1 |
| Isophorone | 78-59-1 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| Isosafrole | 120-58-1 | 8270D | ND | | 1.0 | 0.50 | ug/L | 1 |
| Kepone | 143-50-0 | 8270D | ND | | 10 | 4.3 | ug/L | 1 |
| Methapyrilene | 91-80-5 | 8270D | ND | | 5.0 | 2.7 | ug/L | 1 |
| Methyl methanesulfonate | 66-27-3 | 8270D | ND | | 1.0 | 0.49 | ug/L | 1 |
| Methyl parathion | 298-00-0 | 8270D | ND | | 5.0 | 3.2 | ug/L | 1 |
| 3-Methylcholanthrene | 56-49-5 | 8270D | ND | | 2.0 | 0.98 | ug/L | 1 |
| 2-Methylnaphthalene | 91-57-6 | 8270D | ND | | 1.0 | 0.040 | ug/L | 1 |
| 2-Methylphenol | 95-48-7 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| 3+4-Methylphenol | 106-44-5 | 8270D | ND | | 2.0 | 0.46 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8270D | ND | | 1.0 | 0.050 | ug/L | 1 |
| 1,4-Naphthoquinone | 130-15-4 | 8270D | ND | | 2.0 | 0.040 | ug/L | 1 |
| 1-Naphthylamine | 134-32-7 | 8270D | ND | | 1.0 | 0.030 | ug/L | 1 |
| 2-Naphthylamine | 91-59-8 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |
| 2-Nitroaniline | 88-74-4 | 8270D | ND | | 2.0 | 0.66 | ug/L | 1 |
| 3-Nitroaniline | 99-09-2 | 8270D | ND | | 2.0 | 0.15 | ug/L | 1 |
| 4-Nitroaniline | 100-01-6 | 8270D | ND | | 2.0 | 1.3 | ug/L | 1 |
| Nitrobenzene | 98-95-3 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 5-Nitro-o-toluidine | 99-55-8 | 8270D | ND | | 5.0 | 2.0 | ug/L | 1 |
| 2-Nitrophenol | 88-75-5 | 8270D | ND | | 2.0 | 0.44 | ug/L | 1 |
| 4-Nitrophenol | 100-02-7 | 8270D | ND | | 5.0 | 2.1 | ug/L | 1 |
| N-Nitroso-di-butylamine | 924-16-3 | 8270D | ND | | 1.0 | 0.21 | ug/L | 1 |
| N-Nitrosodiethylamine | 55-18-5 | 8270D | ND | | 1.0 | 0.53 | ug/L | 1 |
| N-Nitrosodimethylamine | 62-75-9 | 8270D | ND | | 1.0 | 0.14 | ug/L | 1 |

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Semivolatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8270D | 1 | 11/02/2015 1753 | DRB1 | 10/26/2015 1322 | 88060 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| N-Nitrosodi-n-propylamine | 621-64-7 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| N-Nitrosodiphenylamine (Diphenylamine) | 86-30-6 | 8270D | ND | | 1.0 | 0.84 | ug/L | 1 |
| N-Nitrosomethylethylamine | 10595-95-6 | 8270D | ND | | 1.0 | 0.20 | ug/L | 1 |
| N-Nitrosopiperidine | 100-75-4 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| N-Nitrosopyrrolidine | 930-55-2 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| Pentachlorobenzene | 608-93-5 | 8270D | ND | | 1.0 | 0.28 | ug/L | 1 |
| Pentachloronitrobenzene | 82-68-8 | 8270D | ND | | 5.0 | 0.64 | ug/L | 1 |
| Pentachlorophenol | 87-86-5 | 8270D | ND | | 5.0 | 1.3 | ug/L | 1 |
| Phenacetin | 62-44-2 | 8270D | ND | | 1.0 | 0.32 | ug/L | 1 |
| Phenanthrene | 85-01-8 | 8270D | ND | | 1.0 | 0.060 | ug/L | 1 |
| Phenol | 108-95-2 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| p-Phenylenediamine | 106-50-3 | 8270D | ND | | 10 | 1.8 | ug/L | 1 |
| Phorate | 298-02-2 | 8270D | ND | | 2.0 | 1.2 | ug/L | 1 |
| Pronamide | 23950-58-5 | 8270D | ND | | 2.0 | 0.81 | ug/L | 1 |
| Pyrene | 129-00-0 | 8270D | ND | | 1.0 | 0.16 | ug/L | 1 |
| Safrole | 94-59-7 | 8270D | ND | | 1.0 | 0.26 | ug/L | 1 |
| 1,2,4,5-Tetrachlorobenzene | 95-94-3 | 8270D | ND | | 1.0 | 0.25 | ug/L | 1 |
| 2,3,4,6-Tetrachlorophenol | 58-90-2 | 8270D | ND | | 2.0 | 1.7 | ug/L | 1 |
| o-Toluidine | 95-53-4 | 8270D | ND | | 1.0 | 0.92 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 8270D | ND | | 1.0 | 0.17 | ug/L | 1 |
| 2,4,5-Trichlorophenol | 95-95-4 | 8270D | ND | | 1.0 | 0.19 | ug/L | 1 |
| 2,4,6-Trichlorophenol | 88-06-2 | 8270D | ND | | 1.0 | 0.22 | ug/L | 1 |
| 0,0,0-Triethylphosphorothioate | 126-68-1 | 8270D | ND | | 1.0 | 0.36 | ug/L | 1 |
| 1,3,5-Trinitrobenzene | 99-35-4 | 8270D | ND | | 5.0 | 0.75 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 81 | 41-144 |
| 2-Fluorobiphenyl | | 63 | 37-129 |
| 2-Fluorophenol | | 61 | 24-127 |
| Nitrobenzene-d5 | | 73 | 38-127 |
| Phenol-d5 | | 70 | 28-128 |
| Terphenyl-d14 | | 78 | 10-148 |

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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
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# Herbicides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 8151A | 8151A | 1 | 11/03/2015 0316 | MEM | 10/28/2015 1055 | 88195 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | 93-76-5 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |
| 2,4-D | 94-75-7 | 8151A | ND | | 2.0 | 0.40 | ug/L | 1 |
| Dinoseb | 88-85-7 | 8151A | ND | | 1.0 | 0.44 | ug/L | 1 |
| 2,4,5-TP (Silvex) | 93-72-1 | 8151A | ND | | 0.50 | 0.10 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| DCAA | | 81 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# PCBs by GC

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Cleanup | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|---|
| 1 | 3520C | 3665A | 8082A | 1 | 10/30/2015 1304 | MEM | 10/27/2015 1622 | 88434 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 12674-11-2 | 8082A | ND | | 0.40 | 0.14 | ug/L | 1 |
| Aroclor 1221 | 11104-28-2 | 8082A | ND | | 0.40 | 0.25 | ug/L | 1 |
| Aroclor 1232 | 11141-16-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1242 | 53469-21-9 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |
| Aroclor 1248 | 12672-29-6 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1254 | 11097-69-1 | 8082A | ND | | 0.40 | 0.10 | ug/L | 1 |
| Aroclor 1260 | 11096-82-5 | 8082A | ND | | 0.40 | 0.15 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 36 | 10-133 |
| Tetrachloro-m-xylene | | 90 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Organochlorine Pesticides by GC

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3520C | 8081B | 1 | 10/29/2015 1430 | PMS | 10/27/2015 1622 | 88153 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Aldrin | 309-00-2 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| gamma-BHC (Lindane) | 58-89-9 | 8081B | ND | | 0.040 | 0.017 | ug/L | 1 |
| alpha-BHC | 319-84-6 | 8081B | ND | | 0.040 | 0.013 | ug/L | 1 |
| beta-BHC | 319-85-7 | 8081B | ND | | 0.040 | 0.015 | ug/L | 1 |
| delta-BHC | 319-86-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Chlordane | 57-74-9 | 8081B | ND | | 0.40 | 0.13 | ug/L | 1 |
| 4,4'-DDD | 72-54-8 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| 4,4'-DDE | 72-55-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| **4,4'-DDT** | **50-29-3** | **8081B** | **0.017** | **J** | **0.040** | **0.015** | **ug/L** | **1** |
| Dieldrin | 60-57-1 | 8081B | ND | | 0.040 | 0.010 | ug/L | 1 |
| Endosulfan I | 959-98-8 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Endosulfan II | 33213-65-9 | 8081B | ND | | 0.040 | 0.0090 | ug/L | 1 |
| Endosulfan sulfate | 1031-07-8 | 8081B | ND | | 0.040 | 0.014 | ug/L | 1 |
| Endrin | 72-20-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| **Endrin aldehyde** | **7421-93-4** | **8081B** | **0.019** | **JP** | **0.040** | **0.012** | **ug/L** | **1** |
| Heptachlor | 76-44-8 | 8081B | ND | | 0.040 | 0.012 | ug/L | 1 |
| Heptachlor epoxide | 1024-57-3 | 8081B | ND | | 0.040 | 0.011 | ug/L | 1 |
| Methoxychlor | 72-43-5 | 8081B | ND | | 0.16 | 0.017 | ug/L | 1 |
| Toxaphene | 8001-35-2 | 8081B | ND | | 0.40 | 0.29 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| Decachlorobiphenyl | | 36 | 10-122 |
| Tetrachloro-m-xylene | | 84 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/07/2015 0315 | BNW | 10/28/2015 0843 | 88190 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2124 | RZ | 10/28/2015 0843 | 88190 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.47** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **88** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Calcium** | **7440-70-2** | **6020A** | **100000** | **B** | **200** | **11** | **ug/L** | **1** |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **0.53** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **21** | | **1.0** | **0.15** | **ug/L** | **1** |
| **Lead** | **7439-92-1** | **6020A** | **0.16** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Manganese** | **7439-96-5** | **6020A** | **15** | | **5.0** | **0.54** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **1.8** | **J** | **5.0** | **0.63** | **ug/L** | **3** |
| **Selenium** | **7782-49-2** | **6020A** | **1.6** | | **1.0** | **0.95** | **ug/L** | **1** |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Thallium | 7440-28-0 | 6020A | ND | | 0.50 | 0.075 | ug/L | 1 |
| Tin | 7440-31-5 | 6020A | ND | | 5.0 | 2.7 | ug/L | 1 |
| **Vanadium** | **7440-62-2** | **6020A** | **4.0** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **33** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **MW10**
Date Sampled: **10/22/2015 1400**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-015**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1105 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW1**
Date Sampled: **10/22/2015 1415**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-016**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0302 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **1.7** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

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ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-016**
Description: **SW1**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1415**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0302 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 107 | 70-130 |
| Toluene-d8 | | 112 | 70-130 |

PQL = Practical quantitation limit
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ND = Not detected at or above the MDL
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N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **SW1**
Date Sampled: **10/22/2015 1415**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-016**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2325 | BNW | 11/03/2015 1307 | 88584 |
| 2 | 3005A | 6020A | 1 | 11/09/2015 2233 | RZ | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/11/2015 1614 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Antimony** | **7440-36-0** | **6020A** | **0.17** | **J** | **1.0** | **0.17** | **ug/L** | **1** |
| **Arsenic** | **7440-38-2** | **6020A** | **0.46** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **29** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **0.36** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **0.64** | **J** | **1.0** | **0.15** | **ug/L** | **2** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| Nickel | 7440-02-0 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Vanadium | 7440-62-2 | 6020A | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Zinc** | **7440-66-6** | **6020A** | **5.4** | **J** | **10** | **1.6** | **ug/L** | **1** |

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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW1**
Date Sampled: **10/22/2015 1415**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-016**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1106 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW2**
Date Sampled: **10/22/2015 1430**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-017**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0325 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **2.2** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| **Chloromethane (Methyl chloride)** | **74-87-3** | **8260B** | **0.22** | **J** | **1.0** | **0.19** | **ug/L** | **1** |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

PQL = Practical quantitation limit
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E = Quantitation of compound exceeded the calibration range
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H = Out of holding time
N = Recovery is out of criteria
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-017**
Description: **SW2**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1430**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0325 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 101 | 70-130 |
| Bromofluorobenzene | | 105 | 70-130 |
| Toluene-d8 | | 110 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **SW2**
Date Sampled: **10/22/2015 1430**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-017**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2332 | BNW | 11/03/2015 1307 | 88584 |
| 2 | 3005A | 6020A | 1 | 11/09/2015 2239 | RZ | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2050 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.43** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **99** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **0.84** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **0.78** | **J** | **1.0** | **0.15** | **ug/L** | **2** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Nickel** | **7440-02-0** | **6020A** | **1.5** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Vanadium | 7440-62-2 | 6020A | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Zinc** | **7440-66-6** | **6020A** | **15** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-017**
Description: **SW2**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1430**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1112 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SW3**
Date Sampled: **10/22/2015 1445**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-018**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0347 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **3.1** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-018**
Description: **SW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1445**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0347 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 108 | 70-130 |
| Toluene-d8 | | 110 | 70-130 |

PQL = Practical quantitation limit
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J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-018**
Description: **SW3**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1445**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2338 | BNW | 11/03/2015 1307 | 88584 |
| 2 | 3005A | 6020A | 1 | 11/09/2015 2246 | RZ | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2057 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.3** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **96** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| **Chromium** | **7440-47-3** | **6020A** | **0.83** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| **Cobalt** | **7440-48-4** | **6020A** | **0.52** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **2.6** | | **1.0** | **0.15** | **ug/L** | **2** |
| **Lead** | **7439-92-1** | **6020A** | **0.29** | **J** | **1.0** | **0.15** | **ug/L** | **1** |
| **Nickel** | **7440-02-0** | **6020A** | **2.7** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| **Vanadium** | **7440-62-2** | **6020A** | **3.5** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **17** | | **10** | **1.6** | **ug/L** | **1** |

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ND = Not detected at or above the MDL
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P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW3**
Date Sampled: **10/22/2015 1445**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-018**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1114 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-019**
Description: **SW4**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1500**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0411 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **4.1** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| **Bromoform** | **75-25-2** | **8260B** | **1.2** | | **1.0** | **0.35** | **ug/L** | **1** |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| **Chloromethane (Methyl chloride)** | **74-87-3** | **8260B** | **0.33** | **J** | **1.0** | **0.19** | **ug/L** | **1** |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| **Methyl iodide (Iodomethane)** | **74-88-4** | **8260B** | **0.50** | **J** | **5.0** | **0.28** | **ug/L** | **1** |
| **4-Methyl-2-pentanone** | **108-10-1** | **8260B** | **0.50** | **J** | **10** | **0.29** | **ug/L** | **1** |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| **Tetrahydrofuran** | **109-99-9** | **8260B** | **2.9** | **J** | **5.0** | **0.57** | **ug/L** | **1** |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
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# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-019**
Description: **SW4**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1500**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0411 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Vinyl chloride** | **75-01-4** | **8260B** | **0.66** | **J** | **1.0** | **0.50** | **ug/L** | **1** |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 101 | 70-130 |
| Bromofluorobenzene | | 106 | 70-130 |
| Toluene-d8 | | 111 | 70-130 |

PQL = Practical quantitation limit
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **SW4**
Date Sampled: **10/22/2015 1500**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-019**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2345 | BNW | 11/03/2015 1307 | 88584 |
| 2 | 3005A | 6020A | 1 | 11/09/2015 2253 | RZ | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2103 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.80** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **42** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **0.62** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **0.72** | **J** | **1.0** | **0.15** | **ug/L** | **2** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Nickel** | **7440-02-0** | **6020A** | **0.65** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Vanadium | 7440-62-2 | 6020A | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Zinc** | **7440-66-6** | **6020A** | **7.5** | **J** | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
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# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SW4**
Date Sampled: **10/22/2015 1500**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-019**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1116 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Mercury** | **7439-97-6** | **7470A** | **0.000030** | **J** | **0.00010** | **0.000028** | **mg/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Laboratory ID: **QJ23019-020**
Description: **SWINF**
Matrix: **Aqueous**
Date Sampled: **10/22/2015 1515**
Date Received: **10/23/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0434 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **2.3** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| **Carbon disulfide** | **75-15-0** | **8260B** | **0.58** | **J** | **1.0** | **0.45** | **ug/L** | **1** |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SWINF**
Date Sampled: **10/22/2015 1515**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-020**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0434 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 102 | 70-130 |
| Bromofluorobenzene | | 106 | 70-130 |
| Toluene-d8 | | 112 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **SWINF**
Date Sampled: **10/22/2015 1515**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-020**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2352 | BNW | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2110 | RZ | 11/03/2015 1307 | 88584 |
| 4 | 3005A | 6020A | 1 | 11/11/2015 1654 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **0.88** | **BJ** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **85** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **0.71** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **1.2** | | **1.0** | **0.15** | **ug/L** | **4** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Nickel** | **7440-02-0** | **6020A** | **2.2** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| **Vanadium** | **7440-62-2** | **6020A** | **1.1** | **J** | **5.0** | **1.0** | **ug/L** | **1** |
| **Zinc** | **7440-66-6** | **6020A** | **13** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SWINF**
Date Sampled: **10/22/2015 1515**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-020**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/28/2015 1118 | COH | 10/27/2015 1930 | 88172 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SWEFF**
Date Sampled: **10/22/2015 1530**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-021**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0457 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| **Acetone** | **67-64-1** | **8260B** | **8.0** | **J** | **20** | **1.6** | **ug/L** | **1** |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| Chloroform | 67-66-3 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| **Methyl iodide (Iodomethane)** | **74-88-4** | **8260B** | **0.50** | **J** | **5.0** | **0.28** | **ug/L** | **1** |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |

PQL = Practical quantitation limit  B = Detected in the method blank  E = Quantitation of compound exceeded the calibration range  H = Out of holding time
ND = Not detected at or above the MDL  J = Estimated result < PQL and ≥ MDL  P = The RPD between two GC columns exceeds 40%  N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **SWEFF**
Date Sampled: **10/22/2015 1530**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-021**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 10/29/2015 0457 | JJG | | 88271 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 103 | 70-130 |
| Bromofluorobenzene | | 107 | 70-130 |
| Toluene-d8 | | 113 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# ICP-MS

Client: **Enviro-Pro, P.C.**
Description: **SWEFF**
Date Sampled: **10/22/2015 1530**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-021**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 3005A | 6020A | 1 | 11/06/2015 2359 | BNW | 11/03/2015 1307 | 88584 |
| 3 | 3005A | 6020A | 1 | 11/12/2015 2117 | RZ | 11/03/2015 1307 | 88584 |
| 4 | 3005A | 6020A | 1 | 11/11/2015 1701 | RZ | 11/03/2015 1307 | 88584 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Antimony | 7440-36-0 | 6020A | ND | | 1.0 | 0.17 | ug/L | 1 |
| **Arsenic** | **7440-38-2** | **6020A** | **1.3** | **B** | **1.0** | **0.26** | **ug/L** | **1** |
| **Barium** | **7440-39-3** | **6020A** | **81** | | **5.0** | **0.53** | **ug/L** | **1** |
| Beryllium | 7440-41-7 | 6020A | ND | | 0.40 | 0.12 | ug/L | 1 |
| Cadmium | 7440-43-9 | 6020A | ND | | 0.10 | 0.044 | ug/L | 1 |
| Chromium | 7440-47-3 | 6020A | ND | | 5.0 | 0.63 | ug/L | 1 |
| **Cobalt** | **7440-48-4** | **6020A** | **1.4** | **J** | **5.0** | **0.26** | **ug/L** | **1** |
| **Copper** | **7440-50-8** | **6020A** | **1.4** | | **1.0** | **0.15** | **ug/L** | **4** |
| Lead | 7439-92-1 | 6020A | ND | | 1.0 | 0.15 | ug/L | 1 |
| **Nickel** | **7440-02-0** | **6020A** | **3.0** | **J** | **5.0** | **0.63** | **ug/L** | **1** |
| Selenium | 7782-49-2 | 6020A | ND | | 1.0 | 0.95 | ug/L | 1 |
| Silver | 7440-22-4 | 6020A | ND | | 1.0 | 0.17 | ug/L | 3 |
| Vanadium | 7440-62-2 | 6020A | ND | | 5.0 | 1.0 | ug/L | 1 |
| **Zinc** | **7440-66-6** | **6020A** | **20** | | **10** | **1.6** | **ug/L** | **1** |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# CVAA

Client: **Enviro-Pro, P.C.**
Description: **SWEFF**
Date Sampled: **10/22/2015 1530**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-021**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | | 7470A | 1 | 10/29/2015 2346 | KDB | 10/29/2015 1850 | 88320 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Mercury | 7439-97-6 | 7470A | ND | | 0.00010 | 0.000028 | mg/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **TRIPBLANK**
Date Sampled: **10/22/2015**
Date Received: **10/23/2015**
Laboratory ID: **QJ23019-022**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 11/02/2015 1108 | SES | | 88525 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 8260B | ND | | 20 | 1.6 | ug/L | 1 |
| Acetonitrile | 75-05-8 | 8260B | ND | | 20 | 14 | ug/L | 1 |
| Acrolein | 107-02-8 | 8260B | ND | | 20 | 2.2 | ug/L | 1 |
| Acrylonitrile | 107-13-1 | 8260B | ND | | 20 | 0.62 | ug/L | 1 |
| Benzene | 71-43-2 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| Bromochloromethane | 74-97-5 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Bromodichloromethane | 75-27-4 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| Bromoform | 75-25-2 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Bromomethane (Methyl bromide) | 74-83-9 | 8260B | ND | | 2.0 | 0.19 | ug/L | 1 |
| 2-Butanone (MEK) | 78-93-3 | 8260B | ND | | 10 | 1.8 | ug/L | 1 |
| Carbon disulfide | 75-15-0 | 8260B | ND | | 1.0 | 0.45 | ug/L | 1 |
| Carbon tetrachloride | 56-23-5 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 126-99-8 | 8260B | ND | | 5.0 | 0.22 | ug/L | 1 |
| Chlorobenzene | 108-90-7 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| Chloroethane | 75-00-3 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| **Chloroform** | **67-66-3** | **8260B** | **0.22** | **J** | **1.0** | **0.21** | **ug/L** | **1** |
| Chloromethane (Methyl chloride) | 74-87-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 3-Chloropropene (Allyl chloride) | 107-05-1 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 96-12-8 | 8260B | ND | | 1.0 | 0.57 | ug/L | 1 |
| Dibromochloromethane | 124-48-1 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| Dibromomethane (Methylene bromide) | 74-95-3 | 8260B | ND | | 1.0 | 0.26 | ug/L | 1 |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 8260B | ND | | 5.0 | 1.4 | ug/L | 1 |
| 1,2-Dichlorobenzene | 95-50-1 | 8260B | ND | | 1.0 | 0.46 | ug/L | 1 |
| 1,3-Dichlorobenzene | 541-73-1 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,4-Dichlorobenzene | 106-46-7 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| Dichlorodifluoromethane | 75-71-8 | 8260B | ND | | 2.0 | 0.85 | ug/L | 1 |
| 1,1-Dichloroethane | 75-34-3 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,2-Dichloroethane | 107-06-2 | 8260B | ND | | 1.0 | 0.23 | ug/L | 1 |
| 1,1-Dichloroethene | 75-35-4 | 8260B | ND | | 1.0 | 0.31 | ug/L | 1 |
| cis-1,2-Dichloroethene | 156-59-2 | 8260B | ND | | 1.0 | 0.20 | ug/L | 1 |
| trans-1,2-Dichloroethene | 156-60-5 | 8260B | ND | | 1.0 | 0.33 | ug/L | 1 |
| 1,2-Dichloropropane | 78-87-5 | 8260B | ND | | 1.0 | 0.29 | ug/L | 1 |
| 1,3-Dichloropropane | 142-28-9 | 8260B | ND | | 1.0 | 0.15 | ug/L | 1 |
| 2,2-Dichloropropane | 594-20-7 | 8260B | ND | | 1.0 | 0.17 | ug/L | 1 |
| 1,1-Dichloropropene | 563-58-6 | 8260B | ND | | 2.0 | 0.28 | ug/L | 1 |
| cis-1,3-Dichloropropene | 10061-01-5 | 8260B | ND | | 1.0 | 0.30 | ug/L | 1 |
| trans-1,3-Dichloropropene | 10061-02-6 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Ethyl methacrylate | 97-63-2 | 8260B | ND | | 5.0 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | ND | | 1.0 | 0.21 | ug/L | 1 |
| 2-Hexanone | 591-78-6 | 8260B | ND | | 10 | 0.26 | ug/L | 1 |
| Isobutyl alcohol | 78-83-1 | 8260B | ND | | 50 | 23 | ug/L | 1 |
| Methacrylonitrile | 126-98-7 | 8260B | ND | | 5.0 | 0.31 | ug/L | 1 |
| Methyl iodide (Iodomethane) | 74-88-4 | 8260B | ND | | 5.0 | 0.28 | ug/L | 1 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# Volatile Organic Compounds by GC/MS

Client: **Enviro-Pro, P.C.**
Description: **TRIPBLANK**
Date Sampled: **10/22/2015**
Date Received: **10/23/2015**

Laboratory ID: **QJ23019-022**
Matrix: **Aqueous**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|---|---|---|---|---|---|---|---|
| 1 | 5030B | 8260B | 1 | 11/02/2015 1108 | SES | | 88525 |

| Parameter | CAS Number | Analytical Method | Result | Q | PQL | MDL | Units | Run |
|---|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 80-62-6 | 8260B | ND | | 5.0 | 0.27 | ug/L | 1 |
| 4-Methyl-2-pentanone | 108-10-1 | 8260B | ND | | 10 | 0.29 | ug/L | 1 |
| Methylene chloride | 75-09-2 | 8260B | ND | | 1.0 | 0.42 | ug/L | 1 |
| Propionitrile (Ethyl cyanide) | 107-12-0 | 8260B | ND | | 20 | 8.1 | ug/L | 1 |
| Styrene | 100-42-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 8260B | ND | | 1.0 | 0.19 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 8260B | ND | | 1.0 | 0.13 | ug/L | 1 |
| Tetrachloroethene | 127-18-4 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Tetrahydrofuran | 109-99-9 | 8260B | ND | | 5.0 | 0.57 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,1-Trichloroethane | 71-55-6 | 8260B | ND | | 1.0 | 0.24 | ug/L | 1 |
| 1,1,2-Trichloroethane | 79-00-5 | 8260B | ND | | 1.0 | 0.22 | ug/L | 1 |
| Trichloroethene | 79-01-6 | 8260B | ND | | 1.0 | 0.16 | ug/L | 1 |
| Trichlorofluoromethane | 75-69-4 | 8260B | ND | | 1.0 | 0.74 | ug/L | 1 |
| 1,2,3-Trichloropropane | 96-18-4 | 8260B | ND | | 1.0 | 0.35 | ug/L | 1 |
| Vinyl acetate | 108-05-4 | 8260B | ND | | 5.0 | 1.0 | ug/L | 1 |
| Vinyl chloride | 75-01-4 | 8260B | ND | | 1.0 | 0.50 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | ND | | 1.0 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|---|---|---|---|
| 1,2-Dichloroethane-d4 | | 95 | 70-130 |
| Bromofluorobenzene | | 108 | 70-130 |
| Toluene-d8 | | 108 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

# QC Summary

# Inorganic non-metals - MB

**Sample ID:** QQ88066-001 **Matrix:** Aqueous
**Batch:** 88066
**Analytical Method:** SM 4500-S2 F-2011

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 1 | 1.0 | 0.62 | mg/L | 10/26/2015 1023 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88066-002 **Matrix:** Aqueous
**Batch:** 88066
**Analytical Method:** SM 4500-S2 F-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Sulfide | 10 | 10 | | 1 | 104 | 80-120 | 10/26/2015 1023 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCSD

**Sample ID:** QQ88066-003 **Matrix:** Aqueous
**Batch:** 88066
**Analytical Method:** SM 4500-S2 F-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| Sulfide | 10 | 10 | | 1 | 103 | 0.97 | 80-120 | 20 | 10/26/2015 1023 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88132-001
**Batch:** 88132
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | ND | | 1 | 10 | 3.4 | mg/L | 10/27/2015 1518 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88132-002
**Batch:** 88132
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 1500 | 1500 | | 1 | 98 | 90-110 | 10/27/2015 1518 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - Duplicate

**Sample ID:** QJ23019-003DU
**Batch:** 88132
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Result (mg/L) | Q | Dil | % RPD | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 420 | 370 | | 1 | 13 | 20 | 10/27/2015 1518 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - Duplicate

**Sample ID:** QJ23019-005DU
**Batch:** 88132
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Result (mg/L) | Q | Dil | % RPD | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 220 | 200 | + | 1 | 31 | 20 | 10/27/2015 1518 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88216-001
**Batch:** 88216
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | ND | | 1 | 10 | 3.4 | mg/L | 10/28/2015 1212 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88216-002 **Matrix:** Aqueous
**Batch:** 88216
**Analytical Method:** SM 2540C-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 1500 | 1500 | | 1 | 98 | 90-110 | 10/28/2015 1212 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - Duplicate

**Sample ID:** QJ23019-010DU
**Batch:** 88216
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Result (mg/L) | Q | Dil | % RPD | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 1000 | 1000 | | 1 | 1.5 | 20 | 10/28/2015 1212 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88239-001
**Batch:** 88239
**Analytical Method:** SM 4500-S2 F-2011

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Sulfide | ND | | 1 | 1.0 | 0.62 | mg/L | 10/28/2015 1342 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88239-002 **Matrix:** Aqueous
**Batch:** 88239
**Analytical Method:** SM 4500-S2 F-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Sulfide | 10 | 10 | | 1 | 103 | 80-120 | 10/28/2015 1342 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88319-001
**Batch:** 88319
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | ND | | 1 | 10 | 3.4 | mg/L | 10/29/2015 2021 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88319-002 **Matrix:** Aqueous
**Batch:** 88319
**Analytical Method:** SM 2540C-2011

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 1500 | 1500 | | 1 | 99 | 90-110 | 10/29/2015 2021 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - Duplicate

**Sample ID:** QJ23019-005DU
**Batch:** 88319
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Result (mg/L) | Q | Dil | % RPD | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 220 | 180 | + | 1 | 22 | 20 | 10/29/2015 2021 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - Duplicate

**Sample ID:** QJ23019-007DU
**Batch:** 88319
**Analytical Method:** SM 2540C-2011

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Result (mg/L) | Q | Dil | % RPD | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| TDS | 220 | 230 | | 1 | 4.4 | 20 | 10/29/2015 2021 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88358-001
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Cyanide | ND | | 1 | 0.010 | 0.0060 | mg/L | 10/29/2015 2354 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88358-002
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.10 | 0.098 | | 1 | 98 | 90-110 | 10/30/2015 0000 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** QJ23019-004MS
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Cyanide | ND | 0.10 | 0.092 | | 1 | 92 | 90-110 | 10/30/2015 0015 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** QJ23019-004MD
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | ND | 0.10 | 0.067 | N,+ | 1 | 67 | 32 | 90-110 | 20 | 10/30/2015 0016 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** QJ23019-005MS
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Cyanide | ND | 0.10 | 0.088 | N | 1 | 88 | 90-110 | 10/30/2015 0019 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** QJ23019-005MD
**Batch:** 88358
**Analytical Method:** SM 4500-CN E-2011

**Matrix:** Aqueous
**Prep Method:** SM4500-CN C-2011
**Prep Date:** 10/29/2015 1900

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | ND | 0.10 | 0.085 | N | 1 | 85 | 3.3 | 90-110 | 20 | 10/30/2015 0022 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ88719-001
**Batch:** 88719
**Analytical Method:** 350.1

**Matrix:** Aqueous
**Prep Method:** 350.1
**Prep Date:** 11/04/2015 1351

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | ND | | 1 | 0.10 | 0.050 | mg/L | 11/05/2015 1119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ88719-002 **Matrix:** Aqueous
**Batch:** 88719 **Prep Method:** 350.1
**Analytical Method:** 350.1 **Prep Date:** 11/04/2015 1351

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | 1.0 | 1.1 | | 1 | 108 | 90-110 | 11/05/2015 1119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** QJ23019-001MS
**Batch:** 88719
**Analytical Method:** 350.1

**Matrix:** Aqueous
**Prep Method:** 350.1
**Prep Date:** 11/04/2015 1351

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | ND | 1.0 | 1.1 | | 1 | 109 | 90-110 | 11/05/2015 1119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88719
**Analytical Method:** 350.1

**Matrix:** Aqueous
**Prep Method:** 350.1
**Prep Date:** 11/04/2015 1351

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | ND | 1.0 | 1.2 | N | 1 | 116 | 5.8 | 90-110 | 20 | 11/05/2015 1119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** QJ23019-005MS
**Batch:** 88719
**Analytical Method:** 350.1

**Matrix:** Aqueous
**Prep Method:** 350.1
**Prep Date:** 11/04/2015 1351

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | 0.070 | 1.0 | 1.1 | | 1 | 108 | 90-110 | 11/05/2015 1128 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** QJ23019-005MD
**Batch:** 88719
**Analytical Method:** 350.1

**Matrix:** Aqueous
**Prep Method:** 350.1
**Prep Date:** 11/04/2015 1351

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia - N (phenate) | 0.070 | 1.0 | 1.1 | | 1 | 106 | 1.4 | 90-110 | 20 | 11/05/2015 1128 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ89010-001 **Matrix:** Aqueous
**Batch:** 89010
**Analytical Method:** 300.0

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1 | 1.0 | 0.033 | mg/L | 11/05/2015 1841 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ89010-002 **Matrix:** Aqueous
**Batch:** 89010
**Analytical Method:** 300.0

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | 5.0 | 4.9 | | 1 | 97 | 90-110 | 11/05/2015 1853 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ89079-001
**Batch:** 89079
**Analytical Method:** 300.0

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1 | 1.0 | 0.033 | mg/L | 11/06/2015 0049 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ89079-002
**Batch:** 89079
**Analytical Method:** 300.0

**Matrix:** Aqueous

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | 5.0 | 5.1 | | 1 | 102 | 90-110 | 11/06/2015 0100 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MS

**Sample ID:** QJ23019-012MS
**Batch:** 89079
**Analytical Method:** 300.0

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Chloride | 31 | 5.0 | 36 | | 1 | 99 | 90-110 | 11/06/2015 0156 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MSD

**Sample ID:** QJ23019-012MD
**Batch:** 89079
**Analytical Method:** 300.0

**Matrix:** Aqueous

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 31 | 5.0 | 36 | | 1 | 100 | 0.20 | 90-110 | 20 | 11/06/2015 0207 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - MB

**Sample ID:** QQ89275-001
**Batch:** 89275
**Analytical Method:** 300.0

**Matrix:** Aqueous

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | ND | | 1 | 1.0 | 0.033 | mg/L | 11/08/2015 1959 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Inorganic non-metals - LCS

**Sample ID:** QQ89275-002 **Matrix:** Aqueous
**Batch:** 89275
**Analytical Method:** 300.0

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Chloride | 5.0 | 4.9 | | 1 | 97 | 90-110 | 11/08/2015 2010 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88208-001
**Batch:** 88208
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 20 | 1.6 | ug/L | 10/28/2015 1010 |
| Acetonitrile | ND | | 1 | 20 | 14 | ug/L | 10/28/2015 1010 |
| Acrolein | ND | | 1 | 20 | 2.2 | ug/L | 10/28/2015 1010 |
| Acrylonitrile | ND | | 1 | 20 | 0.62 | ug/L | 10/28/2015 1010 |
| Benzene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/28/2015 1010 |
| Bromochloromethane | ND | | 1 | 1.0 | 0.45 | ug/L | 10/28/2015 1010 |
| Bromodichloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 1010 |
| Bromoform | ND | | 1 | 1.0 | 0.35 | ug/L | 10/28/2015 1010 |
| Bromomethane (Methyl bromide) | ND | | 1 | 2.0 | 0.19 | ug/L | 10/28/2015 1010 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 1.8 | ug/L | 10/28/2015 1010 |
| Carbon disulfide | ND | | 1 | 1.0 | 0.45 | ug/L | 10/28/2015 1010 |
| Carbon tetrachloride | ND | | 1 | 1.0 | 0.31 | ug/L | 10/28/2015 1010 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | ND | | 1 | 5.0 | 0.22 | ug/L | 10/28/2015 1010 |
| Chlorobenzene | ND | | 1 | 1.0 | 0.20 | ug/L | 10/28/2015 1010 |
| Chloroethane | ND | | 1 | 2.0 | 0.28 | ug/L | 10/28/2015 1010 |
| Chloroform | ND | | 1 | 1.0 | 0.21 | ug/L | 10/28/2015 1010 |
| Chloromethane (Methyl chloride) | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 1010 |
| 3-Chloropropene (Allyl chloride) | ND | | 1 | 2.0 | 0.85 | ug/L | 10/28/2015 1010 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 1.0 | 0.57 | ug/L | 10/28/2015 1010 |
| Dibromochloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 1010 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 1.0 | 0.17 | ug/L | 10/28/2015 1010 |
| Dibromomethane (Methylene bromide) | ND | | 1 | 1.0 | 0.26 | ug/L | 10/28/2015 1010 |
| trans-1,4-Dichloro-2-butene | ND | | 1 | 5.0 | 1.4 | ug/L | 10/28/2015 1010 |
| 1,2-Dichlorobenzene | ND | | 1 | 1.0 | 0.46 | ug/L | 10/28/2015 1010 |
| 1,3-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 1010 |
| 1,4-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 1010 |
| Dichlorodifluoromethane | ND | | 1 | 2.0 | 0.85 | ug/L | 10/28/2015 1010 |
| 1,1-Dichloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 1010 |
| 1,2-Dichloroethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 1010 |
| 1,1-Dichloroethene | ND | | 1 | 1.0 | 0.31 | ug/L | 10/28/2015 1010 |
| cis-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.20 | ug/L | 10/28/2015 1010 |
| trans-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.33 | ug/L | 10/28/2015 1010 |
| 2,2-Dichloropropane | ND | | 1 | 1.0 | 0.17 | ug/L | 10/28/2015 1010 |
| 1,3-Dichloropropane | ND | | 1 | 1.0 | 0.15 | ug/L | 10/28/2015 1010 |
| 1,2-Dichloropropane | ND | | 1 | 1.0 | 0.29 | ug/L | 10/28/2015 1010 |
| 1,1-Dichloropropene | ND | | 1 | 2.0 | 0.28 | ug/L | 10/28/2015 1010 |
| trans-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 1010 |
| cis-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.30 | ug/L | 10/28/2015 1010 |
| Ethyl methacrylate | ND | | 1 | 5.0 | 0.21 | ug/L | 10/28/2015 1010 |
| Ethylbenzene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/28/2015 1010 |
| 2-Hexanone | ND | | 1 | 10 | 0.26 | ug/L | 10/28/2015 1010 |
| Isobutyl alcohol | ND | | 1 | 50 | 23 | ug/L | 10/28/2015 1010 |
| Methacrylonitrile | ND | | 1 | 5.0 | 0.31 | ug/L | 10/28/2015 1010 |
| Methyl iodide (Iodomethane) | ND | | 1 | 5.0 | 0.28 | ug/L | 10/28/2015 1010 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88208-001
**Batch:** 88208
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | ND | | 1 | 5.0 | 0.27 | ug/L | 10/28/2015 1010 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.29 | ug/L | 10/28/2015 1010 |
| Methylene chloride | ND | | 1 | 1.0 | 0.42 | ug/L | 10/28/2015 1010 |
| Propionitrile (Ethyl cyanide) | ND | | 1 | 20 | 8.1 | ug/L | 10/28/2015 1010 |
| Styrene | ND | | 1 | 1.0 | 0.13 | ug/L | 10/28/2015 1010 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.13 | ug/L | 10/28/2015 1010 |
| 1,1,1,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 1010 |
| Tetrachloroethene | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 1010 |
| Tetrahydrofuran | ND | | 1 | 5.0 | 0.57 | ug/L | 10/28/2015 1010 |
| Toluene | ND | | 1 | 1.0 | 0.24 | ug/L | 10/28/2015 1010 |
| 1,1,1-Trichloroethane | ND | | 1 | 1.0 | 0.24 | ug/L | 10/28/2015 1010 |
| 1,1,2-Trichloroethane | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 1010 |
| Trichloroethene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/28/2015 1010 |
| Trichlorofluoromethane | ND | | 1 | 1.0 | 0.74 | ug/L | 10/28/2015 1010 |
| 1,2,3-Trichloropropane | ND | | 1 | 1.0 | 0.35 | ug/L | 10/28/2015 1010 |
| Vinyl acetate | ND | | 1 | 5.0 | 1.0 | ug/L | 10/28/2015 1010 |
| Vinyl chloride | ND | | 1 | 1.0 | 0.50 | ug/L | 10/28/2015 1010 |
| Xylenes (total) | ND | | 1 | 1.0 | 0.32 | ug/L | 10/28/2015 1010 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 92 | 70-130 |
| 1,2-Dichloroethane-d4 | | 100 | 70-130 |
| Toluene-d8 | | 101 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88208-002
**Batch:** 88208
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 110 | | 1 | 111 | 60-140 | 10/28/2015 0920 |
| Acetonitrile | 500 | 690 | | 1 | 138 | 60-140 | 10/28/2015 0920 |
| Acrolein | 500 | 580 | | 1 | 115 | 60-140 | 10/28/2015 0920 |
| Acrylonitrile | 100 | 120 | | 1 | 115 | 70-130 | 10/28/2015 0920 |
| Benzene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 0920 |
| Bromochloromethane | 50 | 54 | | 1 | 109 | 70-130 | 10/28/2015 0920 |
| Bromodichloromethane | 50 | 60 | | 1 | 120 | 70-130 | 10/28/2015 0920 |
| Bromoform | 50 | 52 | | 1 | 104 | 70-130 | 10/28/2015 0920 |
| Bromomethane (Methyl bromide) | 50 | 61 | | 1 | 121 | 60-140 | 10/28/2015 0920 |
| 2-Butanone (MEK) | 100 | 120 | | 1 | 116 | 60-140 | 10/28/2015 0920 |
| Carbon disulfide | 50 | 55 | | 1 | 110 | 60-140 | 10/28/2015 0920 |
| Carbon tetrachloride | 50 | 61 | | 1 | 123 | 70-130 | 10/28/2015 0920 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 50 | 59 | | 1 | 119 | 70-130 | 10/28/2015 0920 |
| Chlorobenzene | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 0920 |
| Chloroethane | 50 | 59 | | 1 | 119 | 60-140 | 10/28/2015 0920 |
| Chloroform | 50 | 52 | | 1 | 103 | 70-130 | 10/28/2015 0920 |
| Chloromethane (Methyl chloride) | 50 | 60 | | 1 | 120 | 60-140 | 10/28/2015 0920 |
| 3-Chloropropene (Allyl chloride) | 50 | 58 | | 1 | 117 | 70-130 | 10/28/2015 0920 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 0920 |
| Dibromochloromethane | 50 | 52 | | 1 | 104 | 70-130 | 10/28/2015 0920 |
| 1,2-Dibromoethane (EDB) | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 0920 |
| Dibromomethane (Methylene bromide) | 50 | 55 | | 1 | 111 | 70-130 | 10/28/2015 0920 |
| trans-1,4-Dichloro-2-butene | 50 | 55 | | 1 | 110 | 34-142 | 10/28/2015 0920 |
| 1,2-Dichlorobenzene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 0920 |
| 1,3-Dichlorobenzene | 50 | 53 | | 1 | 107 | 70-130 | 10/28/2015 0920 |
| 1,4-Dichlorobenzene | 50 | 52 | | 1 | 104 | 70-130 | 10/28/2015 0920 |
| Dichlorodifluoromethane | 50 | 69 | | 1 | 139 | 60-140 | 10/28/2015 0920 |
| 1,1-Dichloroethane | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 0920 |
| 1,2-Dichloroethane | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 0920 |
| 1,1-Dichloroethene | 50 | 59 | | 1 | 117 | 70-130 | 10/28/2015 0920 |
| cis-1,2-Dichloroethene | 50 | 56 | | 1 | 112 | 70-130 | 10/28/2015 0920 |
| trans-1,2-Dichloroethene | 50 | 57 | | 1 | 115 | 70-130 | 10/28/2015 0920 |
| 2,2-Dichloropropane | 50 | 59 | | 1 | 119 | 70-130 | 10/28/2015 0920 |
| 1,3-Dichloropropane | 50 | 55 | | 1 | 111 | 70-130 | 10/28/2015 0920 |
| 1,2-Dichloropropane | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 0920 |
| 1,1-Dichloropropene | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 0920 |
| trans-1,3-Dichloropropene | 50 | 58 | | 1 | 116 | 70-130 | 10/28/2015 0920 |
| cis-1,3-Dichloropropene | 50 | 59 | | 1 | 117 | 70-130 | 10/28/2015 0920 |
| Ethyl methacrylate | 50 | 57 | | 1 | 113 | 70-130 | 10/28/2015 0920 |
| Ethylbenzene | 50 | 56 | | 1 | 111 | 70-130 | 10/28/2015 0920 |
| 2-Hexanone | 100 | 110 | | 1 | 114 | 60-140 | 10/28/2015 0920 |
| Isobutyl alcohol | 500 | 640 | | 1 | 128 | 70-130 | 10/28/2015 0920 |
| Methacrylonitrile | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 0920 |
| Methyl iodide (Iodomethane) | 50 | 56 | | 1 | 112 | 70-130 | 10/28/2015 0920 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88208-002
**Batch:** 88208
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 0920 |
| 4-Methyl-2-pentanone | 100 | 110 | | 1 | 114 | 60-140 | 10/28/2015 0920 |
| Methylene chloride | 50 | 55 | | 1 | 111 | 70-130 | 10/28/2015 0920 |
| Propionitrile (Ethyl cyanide) | 500 | 600 | | 1 | 120 | 70-130 | 10/28/2015 0920 |
| Styrene | 50 | 57 | | 1 | 113 | 70-130 | 10/28/2015 0920 |
| 1,1,2,2-Tetrachloroethane | 50 | 53 | | 1 | 107 | 60-140 | 10/28/2015 0920 |
| 1,1,1,2-Tetrachloroethane | 50 | 58 | | 1 | 116 | 70-130 | 10/28/2015 0920 |
| Tetrachloroethene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 0920 |
| Tetrahydrofuran | 50 | 56 | | 1 | 113 | 70-130 | 10/28/2015 0920 |
| Toluene | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 0920 |
| 1,1,1-Trichloroethane | 50 | 60 | | 1 | 119 | 70-130 | 10/28/2015 0920 |
| 1,1,2-Trichloroethane | 50 | 56 | | 1 | 111 | 70-130 | 10/28/2015 0920 |
| Trichloroethene | 50 | 57 | | 1 | 113 | 70-130 | 10/28/2015 0920 |
| Trichlorofluoromethane | 50 | 59 | | 1 | 118 | 70-130 | 10/28/2015 0920 |
| 1,2,3-Trichloropropane | 50 | 52 | | 1 | 103 | 70-130 | 10/28/2015 0920 |
| Vinyl acetate | 50 | 64 | | 1 | 127 | 60-140 | 10/28/2015 0920 |
| Vinyl chloride | 50 | 60 | | 1 | 121 | 70-130 | 10/28/2015 0920 |
| Xylenes (total) | 100 | 110 | | 1 | 113 | 70-130 | 10/28/2015 0920 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 100 | 70-130 |
| 1,2-Dichloroethane-d4 | | 99 | 70-130 |
| Toluene-d8 | | 100 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88271-001
**Batch:** 88271
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 20 | 1.6 | ug/L | 10/28/2015 2053 |
| Acetonitrile | ND | | 1 | 20 | 14 | ug/L | 10/28/2015 2053 |
| Acrolein | ND | | 1 | 20 | 2.2 | ug/L | 10/28/2015 2053 |
| Acrylonitrile | ND | | 1 | 20 | 0.62 | ug/L | 10/28/2015 2053 |
| Benzene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/28/2015 2053 |
| Bromochloromethane | ND | | 1 | 1.0 | 0.45 | ug/L | 10/28/2015 2053 |
| Bromodichloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 2053 |
| Bromoform | ND | | 1 | 1.0 | 0.35 | ug/L | 10/28/2015 2053 |
| Bromomethane (Methyl bromide) | ND | | 1 | 2.0 | 0.19 | ug/L | 10/28/2015 2053 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 1.8 | ug/L | 10/28/2015 2053 |
| Carbon disulfide | ND | | 1 | 1.0 | 0.45 | ug/L | 10/28/2015 2053 |
| Carbon tetrachloride | ND | | 1 | 1.0 | 0.31 | ug/L | 10/28/2015 2053 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | ND | | 1 | 5.0 | 0.22 | ug/L | 10/28/2015 2053 |
| Chlorobenzene | ND | | 1 | 1.0 | 0.20 | ug/L | 10/28/2015 2053 |
| Chloroethane | ND | | 1 | 2.0 | 0.28 | ug/L | 10/28/2015 2053 |
| **Chloroform** | **0.22** | **J** | **1** | **1.0** | **0.21** | **ug/L** | **10/28/2015 2053** |
| Chloromethane (Methyl chloride) | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 2053 |
| 3-Chloropropene (Allyl chloride) | ND | | 1 | 2.0 | 0.85 | ug/L | 10/28/2015 2053 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 1.0 | 0.57 | ug/L | 10/28/2015 2053 |
| Dibromochloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 2053 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 1.0 | 0.17 | ug/L | 10/28/2015 2053 |
| Dibromomethane (Methylene bromide) | ND | | 1 | 1.0 | 0.26 | ug/L | 10/28/2015 2053 |
| trans-1,4-Dichloro-2-butene | ND | | 1 | 5.0 | 1.4 | ug/L | 10/28/2015 2053 |
| 1,4-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 2053 |
| 1,3-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 2053 |
| 1,2-Dichlorobenzene | ND | | 1 | 1.0 | 0.46 | ug/L | 10/28/2015 2053 |
| Dichlorodifluoromethane | ND | | 1 | 2.0 | 0.85 | ug/L | 10/28/2015 2053 |
| 1,2-Dichloroethane | ND | | 1 | 1.0 | 0.23 | ug/L | 10/28/2015 2053 |
| 1,1-Dichloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 2053 |
| trans-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.33 | ug/L | 10/28/2015 2053 |
| cis-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.20 | ug/L | 10/28/2015 2053 |
| 1,1-Dichloroethene | ND | | 1 | 1.0 | 0.31 | ug/L | 10/28/2015 2053 |
| 2,2-Dichloropropane | ND | | 1 | 1.0 | 0.17 | ug/L | 10/28/2015 2053 |
| 1,3-Dichloropropane | ND | | 1 | 1.0 | 0.15 | ug/L | 10/28/2015 2053 |
| 1,2-Dichloropropane | ND | | 1 | 1.0 | 0.29 | ug/L | 10/28/2015 2053 |
| 1,1-Dichloropropene | ND | | 1 | 2.0 | 0.28 | ug/L | 10/28/2015 2053 |
| cis-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.30 | ug/L | 10/28/2015 2053 |
| trans-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 2053 |
| Ethyl methacrylate | ND | | 1 | 5.0 | 0.21 | ug/L | 10/28/2015 2053 |
| Ethylbenzene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/28/2015 2053 |
| 2-Hexanone | ND | | 1 | 10 | 0.26 | ug/L | 10/28/2015 2053 |
| Isobutyl alcohol | ND | | 1 | 50 | 23 | ug/L | 10/28/2015 2053 |
| Methacrylonitrile | ND | | 1 | 5.0 | 0.31 | ug/L | 10/28/2015 2053 |
| Methyl iodide (Iodomethane) | ND | | 1 | 5.0 | 0.28 | ug/L | 10/28/2015 2053 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88271-001
**Batch:** 88271
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | ND | | 1 | 5.0 | 0.27 | ug/L | 10/28/2015 2053 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.29 | ug/L | 10/28/2015 2053 |
| Methylene chloride | ND | | 1 | 1.0 | 0.42 | ug/L | 10/28/2015 2053 |
| Propionitrile (Ethyl cyanide) | ND | | 1 | 20 | 8.1 | ug/L | 10/28/2015 2053 |
| Styrene | ND | | 1 | 1.0 | 0.13 | ug/L | 10/28/2015 2053 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.13 | ug/L | 10/28/2015 2053 |
| 1,1,1,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 10/28/2015 2053 |
| Tetrachloroethene | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 2053 |
| Tetrahydrofuran | ND | | 1 | 5.0 | 0.57 | ug/L | 10/28/2015 2053 |
| Toluene | ND | | 1 | 1.0 | 0.24 | ug/L | 10/28/2015 2053 |
| 1,1,2-Trichloroethane | ND | | 1 | 1.0 | 0.22 | ug/L | 10/28/2015 2053 |
| 1,1,1-Trichloroethane | ND | | 1 | 1.0 | 0.24 | ug/L | 10/28/2015 2053 |
| Trichloroethene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/28/2015 2053 |
| Trichlorofluoromethane | ND | | 1 | 1.0 | 0.74 | ug/L | 10/28/2015 2053 |
| 1,2,3-Trichloropropane | ND | | 1 | 1.0 | 0.35 | ug/L | 10/28/2015 2053 |
| Vinyl acetate | ND | | 1 | 5.0 | 1.0 | ug/L | 10/28/2015 2053 |
| Vinyl chloride | ND | | 1 | 1.0 | 0.50 | ug/L | 10/28/2015 2053 |
| Xylenes (total) | ND | | 1 | 1.0 | 0.32 | ug/L | 10/28/2015 2053 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 108 | 70-130 |
| 1,2-Dichloroethane-d4 | | 97 | 70-130 |
| Toluene-d8 | | 113 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88271-002
**Batch:** 88271
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 100 | | 1 | 100 | 60-140 | 10/28/2015 2007 |
| Acetonitrile | 500 | 600 | | 1 | 120 | 60-140 | 10/28/2015 2007 |
| Acrolein | 500 | 630 | | 1 | 126 | 60-140 | 10/28/2015 2007 |
| Acrylonitrile | 100 | 110 | | 1 | 107 | 70-130 | 10/28/2015 2007 |
| Benzene | 50 | 54 | | 1 | 108 | 70-130 | 10/28/2015 2007 |
| Bromochloromethane | 50 | 52 | | 1 | 105 | 70-130 | 10/28/2015 2007 |
| Bromodichloromethane | 50 | 54 | | 1 | 107 | 70-130 | 10/28/2015 2007 |
| Bromoform | 50 | 48 | | 1 | 97 | 70-130 | 10/28/2015 2007 |
| Bromomethane (Methyl bromide) | 50 | 53 | | 1 | 106 | 60-140 | 10/28/2015 2007 |
| 2-Butanone (MEK) | 100 | 110 | | 1 | 108 | 60-140 | 10/28/2015 2007 |
| Carbon disulfide | 50 | 64 | | 1 | 128 | 60-140 | 10/28/2015 2007 |
| Carbon tetrachloride | 50 | 58 | | 1 | 116 | 70-130 | 10/28/2015 2007 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 50 | 58 | | 1 | 115 | 70-130 | 10/28/2015 2007 |
| Chlorobenzene | 50 | 54 | | 1 | 108 | 70-130 | 10/28/2015 2007 |
| Chloroethane | 50 | 55 | | 1 | 110 | 60-140 | 10/28/2015 2007 |
| Chloroform | 50 | 47 | | 1 | 93 | 70-130 | 10/28/2015 2007 |
| Chloromethane (Methyl chloride) | 50 | 54 | | 1 | 108 | 60-140 | 10/28/2015 2007 |
| 3-Chloropropene (Allyl chloride) | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 2007 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 52 | | 1 | 104 | 70-130 | 10/28/2015 2007 |
| Dibromochloromethane | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| 1,2-Dibromoethane (EDB) | 50 | 55 | | 1 | 109 | 70-130 | 10/28/2015 2007 |
| Dibromomethane (Methylene bromide) | 50 | 53 | | 1 | 105 | 70-130 | 10/28/2015 2007 |
| trans-1,4-Dichloro-2-butene | 50 | 40 | | 1 | 80 | 34-142 | 10/28/2015 2007 |
| 1,4-Dichlorobenzene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| 1,3-Dichlorobenzene | 50 | 56 | | 1 | 111 | 70-130 | 10/28/2015 2007 |
| 1,2-Dichlorobenzene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| Dichlorodifluoromethane | 50 | 66 | | 1 | 132 | 60-140 | 10/28/2015 2007 |
| 1,2-Dichloroethane | 50 | 53 | | 1 | 105 | 70-130 | 10/28/2015 2007 |
| 1,1-Dichloroethane | 50 | 52 | | 1 | 104 | 70-130 | 10/28/2015 2007 |
| trans-1,2-Dichloroethene | 50 | 54 | | 1 | 108 | 70-130 | 10/28/2015 2007 |
| cis-1,2-Dichloroethene | 50 | 51 | | 1 | 101 | 70-130 | 10/28/2015 2007 |
| 1,1-Dichloroethene | 50 | 56 | | 1 | 113 | 70-130 | 10/28/2015 2007 |
| 2,2-Dichloropropane | 50 | 51 | | 1 | 102 | 70-130 | 10/28/2015 2007 |
| 1,3-Dichloropropane | 50 | 54 | | 1 | 108 | 70-130 | 10/28/2015 2007 |
| 1,2-Dichloropropane | 50 | 54 | | 1 | 109 | 70-130 | 10/28/2015 2007 |
| 1,1-Dichloropropene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| cis-1,3-Dichloropropene | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| trans-1,3-Dichloropropene | 50 | 54 | | 1 | 109 | 70-130 | 10/28/2015 2007 |
| Ethyl methacrylate | 50 | 49 | | 1 | 97 | 70-130 | 10/28/2015 2007 |
| Ethylbenzene | 50 | 57 | | 1 | 114 | 70-130 | 10/28/2015 2007 |
| 2-Hexanone | 100 | 120 | | 1 | 117 | 60-140 | 10/28/2015 2007 |
| Isobutyl alcohol | 500 | 530 | | 1 | 105 | 70-130 | 10/28/2015 2007 |
| Methacrylonitrile | 50 | 54 | | 1 | 107 | 70-130 | 10/28/2015 2007 |
| Methyl iodide (Iodomethane) | 50 | 60 | | 1 | 120 | 70-130 | 10/28/2015 2007 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88271-002
**Batch:** 88271
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 50 | 55 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| 4-Methyl-2-pentanone | 100 | 110 | | 1 | 110 | 60-140 | 10/28/2015 2007 |
| Methylene chloride | 50 | 51 | | 1 | 101 | 70-130 | 10/28/2015 2007 |
| Propionitrile (Ethyl cyanide) | 500 | 550 | | 1 | 110 | 70-130 | 10/28/2015 2007 |
| Styrene | 50 | 53 | | 1 | 105 | 70-130 | 10/28/2015 2007 |
| 1,1,2,2-Tetrachloroethane | 50 | 56 | | 1 | 112 | 60-140 | 10/28/2015 2007 |
| 1,1,1,2-Tetrachloroethane | 50 | 56 | | 1 | 112 | 70-130 | 10/28/2015 2007 |
| Tetrachloroethene | 50 | 59 | | 1 | 119 | 70-130 | 10/28/2015 2007 |
| Tetrahydrofuran | 50 | 47 | | 1 | 95 | 70-130 | 10/28/2015 2007 |
| Toluene | 50 | 57 | | 1 | 113 | 70-130 | 10/28/2015 2007 |
| 1,1,2-Trichloroethane | 50 | 54 | | 1 | 109 | 70-130 | 10/28/2015 2007 |
| 1,1,1-Trichloroethane | 50 | 53 | | 1 | 106 | 70-130 | 10/28/2015 2007 |
| Trichloroethene | 50 | 56 | | 1 | 112 | 70-130 | 10/28/2015 2007 |
| Trichlorofluoromethane | 50 | 57 | | 1 | 115 | 70-130 | 10/28/2015 2007 |
| 1,2,3-Trichloropropane | 50 | 51 | | 1 | 101 | 70-130 | 10/28/2015 2007 |
| Vinyl acetate | 50 | 59 | | 1 | 119 | 60-140 | 10/28/2015 2007 |
| Vinyl chloride | 50 | 59 | | 1 | 118 | 70-130 | 10/28/2015 2007 |
| Xylenes (total) | 100 | 120 | | 1 | 117 | 70-130 | 10/28/2015 2007 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 115 | 70-130 |
| 1,2-Dichloroethane-d4 | | 96 | 70-130 |
| Toluene-d8 | | 112 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88525-001
**Batch:** 88525
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | ND | | 1 | 20 | 1.6 | ug/L | 11/02/2015 1034 |
| Acetonitrile | ND | | 1 | 20 | 14 | ug/L | 11/02/2015 1034 |
| Acrolein | ND | | 1 | 20 | 2.2 | ug/L | 11/02/2015 1034 |
| Acrylonitrile | ND | | 1 | 20 | 0.62 | ug/L | 11/02/2015 1034 |
| Benzene | ND | | 1 | 1.0 | 0.21 | ug/L | 11/02/2015 1034 |
| Bromochloromethane | ND | | 1 | 1.0 | 0.45 | ug/L | 11/02/2015 1034 |
| Bromodichloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 11/02/2015 1034 |
| Bromoform | ND | | 1 | 1.0 | 0.35 | ug/L | 11/02/2015 1034 |
| Bromomethane (Methyl bromide) | ND | | 1 | 2.0 | 0.19 | ug/L | 11/02/2015 1034 |
| 2-Butanone (MEK) | ND | | 1 | 10 | 1.8 | ug/L | 11/02/2015 1034 |
| Carbon disulfide | ND | | 1 | 1.0 | 0.45 | ug/L | 11/02/2015 1034 |
| Carbon tetrachloride | ND | | 1 | 1.0 | 0.31 | ug/L | 11/02/2015 1034 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | ND | | 1 | 5.0 | 0.22 | ug/L | 11/02/2015 1034 |
| Chlorobenzene | ND | | 1 | 1.0 | 0.20 | ug/L | 11/02/2015 1034 |
| Chloroethane | ND | | 1 | 2.0 | 0.28 | ug/L | 11/02/2015 1034 |
| Chloroform | ND | | 1 | 1.0 | 0.21 | ug/L | 11/02/2015 1034 |
| Chloromethane (Methyl chloride) | ND | | 1 | 1.0 | 0.19 | ug/L | 11/02/2015 1034 |
| 3-Chloropropene (Allyl chloride) | ND | | 1 | 2.0 | 0.85 | ug/L | 11/02/2015 1034 |
| 1,2-Dibromo-3-chloropropane (DBCP) | ND | | 1 | 1.0 | 0.57 | ug/L | 11/02/2015 1034 |
| Dibromochloromethane | ND | | 1 | 1.0 | 0.23 | ug/L | 11/02/2015 1034 |
| 1,2-Dibromoethane (EDB) | ND | | 1 | 1.0 | 0.17 | ug/L | 11/02/2015 1034 |
| Dibromomethane (Methylene bromide) | ND | | 1 | 1.0 | 0.26 | ug/L | 11/02/2015 1034 |
| trans-1,4-Dichloro-2-butene | ND | | 1 | 5.0 | 1.4 | ug/L | 11/02/2015 1034 |
| 1,2-Dichlorobenzene | ND | | 1 | 1.0 | 0.46 | ug/L | 11/02/2015 1034 |
| 1,4-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 11/02/2015 1034 |
| 1,3-Dichlorobenzene | ND | | 1 | 1.0 | 0.19 | ug/L | 11/02/2015 1034 |
| Dichlorodifluoromethane | ND | | 1 | 2.0 | 0.85 | ug/L | 11/02/2015 1034 |
| 1,2-Dichloroethane | ND | | 1 | 1.0 | 0.23 | ug/L | 11/02/2015 1034 |
| 1,1-Dichloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 11/02/2015 1034 |
| cis-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.20 | ug/L | 11/02/2015 1034 |
| trans-1,2-Dichloroethene | ND | | 1 | 1.0 | 0.33 | ug/L | 11/02/2015 1034 |
| 1,1-Dichloroethene | ND | | 1 | 1.0 | 0.31 | ug/L | 11/02/2015 1034 |
| 1,2-Dichloropropane | ND | | 1 | 1.0 | 0.29 | ug/L | 11/02/2015 1034 |
| 1,3-Dichloropropane | ND | | 1 | 1.0 | 0.15 | ug/L | 11/02/2015 1034 |
| 2,2-Dichloropropane | ND | | 1 | 1.0 | 0.17 | ug/L | 11/02/2015 1034 |
| 1,1-Dichloropropene | ND | | 1 | 2.0 | 0.28 | ug/L | 11/02/2015 1034 |
| trans-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.22 | ug/L | 11/02/2015 1034 |
| cis-1,3-Dichloropropene | ND | | 1 | 1.0 | 0.30 | ug/L | 11/02/2015 1034 |
| Ethyl methacrylate | ND | | 1 | 5.0 | 0.21 | ug/L | 11/02/2015 1034 |
| Ethylbenzene | ND | | 1 | 1.0 | 0.21 | ug/L | 11/02/2015 1034 |
| 2-Hexanone | ND | | 1 | 10 | 0.26 | ug/L | 11/02/2015 1034 |
| Isobutyl alcohol | ND | | 1 | 50 | 23 | ug/L | 11/02/2015 1034 |
| Methacrylonitrile | ND | | 1 | 5.0 | 0.31 | ug/L | 11/02/2015 1034 |
| Methyl iodide (Iodomethane) | ND | | 1 | 5.0 | 0.28 | ug/L | 11/02/2015 1034 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88525-001
**Batch:** 88525
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | ND | | 1 | 5.0 | 0.27 | ug/L | 11/02/2015 1034 |
| 4-Methyl-2-pentanone | ND | | 1 | 10 | 0.29 | ug/L | 11/02/2015 1034 |
| Methylene chloride | ND | | 1 | 1.0 | 0.42 | ug/L | 11/02/2015 1034 |
| Propionitrile (Ethyl cyanide) | ND | | 1 | 20 | 8.1 | ug/L | 11/02/2015 1034 |
| Styrene | ND | | 1 | 1.0 | 0.13 | ug/L | 11/02/2015 1034 |
| 1,1,2,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.13 | ug/L | 11/02/2015 1034 |
| 1,1,1,2-Tetrachloroethane | ND | | 1 | 1.0 | 0.19 | ug/L | 11/02/2015 1034 |
| Tetrachloroethene | ND | | 1 | 1.0 | 0.22 | ug/L | 11/02/2015 1034 |
| Tetrahydrofuran | ND | | 1 | 5.0 | 0.57 | ug/L | 11/02/2015 1034 |
| Toluene | ND | | 1 | 1.0 | 0.24 | ug/L | 11/02/2015 1034 |
| 1,1,2-Trichloroethane | ND | | 1 | 1.0 | 0.22 | ug/L | 11/02/2015 1034 |
| 1,1,1-Trichloroethane | ND | | 1 | 1.0 | 0.24 | ug/L | 11/02/2015 1034 |
| Trichloroethene | ND | | 1 | 1.0 | 0.16 | ug/L | 11/02/2015 1034 |
| Trichlorofluoromethane | ND | | 1 | 1.0 | 0.74 | ug/L | 11/02/2015 1034 |
| 1,2,3-Trichloropropane | ND | | 1 | 1.0 | 0.35 | ug/L | 11/02/2015 1034 |
| Vinyl acetate | ND | | 1 | 5.0 | 1.0 | ug/L | 11/02/2015 1034 |
| Vinyl chloride | ND | | 1 | 1.0 | 0.50 | ug/L | 11/02/2015 1034 |
| Xylenes (total) | ND | | 1 | 1.0 | 0.32 | ug/L | 11/02/2015 1034 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 110 | 70-130 |
| 1,2-Dichloroethane-d4 | | 94 | 70-130 |
| Toluene-d8 | | 109 | 70-130 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88525-002
**Batch:** 88525
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acetone | 100 | 71 | | 1 | 71 | 60-140 | 11/02/2015 0934 |
| Acetonitrile | 500 | 370 | | 1 | 74 | 60-140 | 11/02/2015 0934 |
| Acrolein | 500 | 480 | | 1 | 97 | 60-140 | 11/02/2015 0934 |
| Acrylonitrile | 100 | 89 | | 1 | 89 | 70-130 | 11/02/2015 0934 |
| Benzene | 50 | 50 | | 1 | 100 | 70-130 | 11/02/2015 0934 |
| Bromochloromethane | 50 | 48 | | 1 | 95 | 70-130 | 11/02/2015 0934 |
| Bromodichloromethane | 50 | 51 | | 1 | 102 | 70-130 | 11/02/2015 0934 |
| Bromoform | 50 | 49 | | 1 | 99 | 70-130 | 11/02/2015 0934 |
| Bromomethane (Methyl bromide) | 50 | 48 | | 1 | 96 | 60-140 | 11/02/2015 0934 |
| 2-Butanone (MEK) | 100 | 87 | | 1 | 87 | 60-140 | 11/02/2015 0934 |
| Carbon disulfide | 50 | 57 | | 1 | 114 | 60-140 | 11/02/2015 0934 |
| Carbon tetrachloride | 50 | 54 | | 1 | 108 | 70-130 | 11/02/2015 0934 |
| 2-Chloro-1,3-Butadiene (Chloroprene) | 50 | 51 | | 1 | 102 | 70-130 | 11/02/2015 0934 |
| Chlorobenzene | 50 | 51 | | 1 | 102 | 70-130 | 11/02/2015 0934 |
| Chloroethane | 50 | 46 | | 1 | 92 | 60-140 | 11/02/2015 0934 |
| Chloroform | 50 | 42 | | 1 | 85 | 70-130 | 11/02/2015 0934 |
| Chloromethane (Methyl chloride) | 50 | 44 | | 1 | 89 | 60-140 | 11/02/2015 0934 |
| 3-Chloropropene (Allyl chloride) | 50 | 48 | | 1 | 97 | 70-130 | 11/02/2015 0934 |
| 1,2-Dibromo-3-chloropropane (DBCP) | 50 | 51 | | 1 | 102 | 70-130 | 11/02/2015 0934 |
| Dibromochloromethane | 50 | 54 | | 1 | 109 | 70-130 | 11/02/2015 0934 |
| 1,2-Dibromoethane (EDB) | 50 | 53 | | 1 | 106 | 70-130 | 11/02/2015 0934 |
| Dibromomethane (Methylene bromide) | 50 | 49 | | 1 | 98 | 70-130 | 11/02/2015 0934 |
| trans-1,4-Dichloro-2-butene | 50 | 49 | | 1 | 99 | 34-142 | 11/02/2015 0934 |
| 1,2-Dichlorobenzene | 50 | 50 | | 1 | 99 | 70-130 | 11/02/2015 0934 |
| 1,4-Dichlorobenzene | 50 | 50 | | 1 | 101 | 70-130 | 11/02/2015 0934 |
| 1,3-Dichlorobenzene | 50 | 50 | | 1 | 100 | 70-130 | 11/02/2015 0934 |
| Dichlorodifluoromethane | 50 | 58 | | 1 | 115 | 60-140 | 11/02/2015 0934 |
| 1,2-Dichloroethane | 50 | 49 | | 1 | 98 | 70-130 | 11/02/2015 0934 |
| 1,1-Dichloroethane | 50 | 46 | | 1 | 93 | 70-130 | 11/02/2015 0934 |
| cis-1,2-Dichloroethene | 50 | 46 | | 1 | 92 | 70-130 | 11/02/2015 0934 |
| trans-1,2-Dichloroethene | 50 | 49 | | 1 | 97 | 70-130 | 11/02/2015 0934 |
| 1,1-Dichloroethene | 50 | 49 | | 1 | 97 | 70-130 | 11/02/2015 0934 |
| 1,2-Dichloropropane | 50 | 51 | | 1 | 101 | 70-130 | 11/02/2015 0934 |
| 1,3-Dichloropropane | 50 | 52 | | 1 | 104 | 70-130 | 11/02/2015 0934 |
| 2,2-Dichloropropane | 50 | 46 | | 1 | 92 | 70-130 | 11/02/2015 0934 |
| 1,1-Dichloropropene | 50 | 49 | | 1 | 99 | 70-130 | 11/02/2015 0934 |
| trans-1,3-Dichloropropene | 50 | 55 | | 1 | 109 | 70-130 | 11/02/2015 0934 |
| cis-1,3-Dichloropropene | 50 | 53 | | 1 | 106 | 70-130 | 11/02/2015 0934 |
| Ethyl methacrylate | 50 | 47 | | 1 | 93 | 70-130 | 11/02/2015 0934 |
| Ethylbenzene | 50 | 52 | | 1 | 105 | 70-130 | 11/02/2015 0934 |
| 2-Hexanone | 100 | 110 | | 1 | 106 | 60-140 | 11/02/2015 0934 |
| Isobutyl alcohol | 500 | 370 | | 1 | 73 | 70-130 | 11/02/2015 0934 |
| Methacrylonitrile | 50 | 46 | | 1 | 93 | 70-130 | 11/02/2015 0934 |
| Methyl iodide (Iodomethane) | 50 | 55 | | 1 | 109 | 70-130 | 11/02/2015 0934 |

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ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Volatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88525-002
**Batch:** 88525
**Analytical Method:** 8260B

**Matrix:** Aqueous
**Prep Method:** 5030B

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl methacrylate | 50 | 50 | | 1 | 100 | 70-130 | 11/02/2015 0934 |
| 4-Methyl-2-pentanone | 100 | 96 | | 1 | 96 | 60-140 | 11/02/2015 0934 |
| Methylene chloride | 50 | 45 | | 1 | 90 | 70-130 | 11/02/2015 0934 |
| Propionitrile (Ethyl cyanide) | 500 | 450 | | 1 | 90 | 70-130 | 11/02/2015 0934 |
| Styrene | 50 | 47 | | 1 | 95 | 70-130 | 11/02/2015 0934 |
| 1,1,2,2-Tetrachloroethane | 50 | 53 | | 1 | 106 | 60-140 | 11/02/2015 0934 |
| 1,1,1,2-Tetrachloroethane | 50 | 53 | | 1 | 106 | 70-130 | 11/02/2015 0934 |
| Tetrachloroethene | 50 | 56 | | 1 | 112 | 70-130 | 11/02/2015 0934 |
| Tetrahydrofuran | 50 | 40 | | 1 | 80 | 70-130 | 11/02/2015 0934 |
| Toluene | 50 | 53 | | 1 | 107 | 70-130 | 11/02/2015 0934 |
| 1,1,2-Trichloroethane | 50 | 51 | | 1 | 102 | 70-130 | 11/02/2015 0934 |
| 1,1,1-Trichloroethane | 50 | 49 | | 1 | 97 | 70-130 | 11/02/2015 0934 |
| Trichloroethene | 50 | 54 | | 1 | 108 | 70-130 | 11/02/2015 0934 |
| Trichlorofluoromethane | 50 | 54 | | 1 | 108 | 70-130 | 11/02/2015 0934 |
| 1,2,3-Trichloropropane | 50 | 49 | | 1 | 98 | 70-130 | 11/02/2015 0934 |
| Vinyl acetate | 50 | 53 | | 1 | 107 | 60-140 | 11/02/2015 0934 |
| Vinyl chloride | 50 | 52 | | 1 | 105 | 70-130 | 11/02/2015 0934 |
| Xylenes (total) | 100 | 100 | | 1 | 104 | 70-130 | 11/02/2015 0934 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Bromofluorobenzene | | 110 | 70-130 |
| 1,2-Dichloroethane-d4 | | 90 | 70-130 |
| Toluene-d8 | | 111 | 70-130 |

PQL = Practical quantitation limit
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**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88060-001
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 0,0,0-Triethylphosphorothioate | ND | | 1 | 1.0 | 0.36 | ug/L | 10/30/2015 1627 |
| 0,0-Diethyl-0-2-pyrazinyl (Thionazin) | ND | | 1 | 1.0 | 0.35 | ug/L | 10/30/2015 1627 |
| 1,2,4,5-Tetrachlorobenzene | ND | | 1 | 1.0 | 0.25 | ug/L | 10/30/2015 1627 |
| 1,2,4-Trichlorobenzene | ND | | 1 | 1.0 | 0.17 | ug/L | 10/30/2015 1627 |
| 1,2-Dichlorobenzene | ND | | 1 | 1.0 | 0.17 | ug/L | 10/30/2015 1627 |
| 1,3,5-Trinitrobenzene | ND | | 1 | 5.0 | 0.75 | ug/L | 10/30/2015 1627 |
| 1,3-Dichlorobenzene | ND | | 1 | 1.0 | 0.18 | ug/L | 10/30/2015 1627 |
| 1,3-Dinitrobenzene | ND | | 1 | 5.0 | 0.77 | ug/L | 10/30/2015 1627 |
| 1,4-Dichlorobenzene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/30/2015 1627 |
| 1,4-Naphthoquinone | ND | | 1 | 2.0 | 0.040 | ug/L | 10/30/2015 1627 |
| 1-Naphthylamine | ND | | 1 | 1.0 | 0.030 | ug/L | 10/30/2015 1627 |
| 2,3,4,6-Tetrachlorophenol | ND | | 1 | 2.0 | 1.7 | ug/L | 10/30/2015 1627 |
| 2,4,5-Trichlorophenol | ND | | 1 | 1.0 | 0.19 | ug/L | 10/30/2015 1627 |
| 2,4,6-Trichlorophenol | ND | | 1 | 1.0 | 0.22 | ug/L | 10/30/2015 1627 |
| 2,4-Dichlorophenol | ND | | 1 | 1.0 | 0.19 | ug/L | 10/30/2015 1627 |
| 2,4-Dimethylphenol | ND | | 1 | 1.0 | 0.15 | ug/L | 10/30/2015 1627 |
| 2,4-Dinitrophenol | ND | | 1 | 5.0 | 1.3 | ug/L | 10/30/2015 1627 |
| 2,4-Dinitrotoluene | ND | | 1 | 2.0 | 1.8 | ug/L | 10/30/2015 1627 |
| 2,6-Dichlorophenol | ND | | 1 | 1.0 | 0.34 | ug/L | 10/30/2015 1627 |
| 2,6-Dinitrotoluene | ND | | 1 | 2.0 | 0.34 | ug/L | 10/30/2015 1627 |
| 2-Acetylaminofluorene | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| 2-Chloronaphthalene | ND | | 1 | 1.0 | 0.15 | ug/L | 10/30/2015 1627 |
| 2-Chlorophenol | ND | | 1 | 1.0 | 0.15 | ug/L | 10/30/2015 1627 |
| 2-Methylnaphthalene | ND | | 1 | 1.0 | 0.040 | ug/L | 10/30/2015 1627 |
| 2-Methylphenol | ND | | 1 | 1.0 | 0.21 | ug/L | 10/30/2015 1627 |
| 2-Naphthylamine | ND | | 1 | 1.0 | 0.14 | ug/L | 10/30/2015 1627 |
| 2-Nitroaniline | ND | | 1 | 2.0 | 0.55 | ug/L | 10/30/2015 1627 |
| 2-Nitrophenol | ND | | 1 | 2.0 | 0.27 | ug/L | 10/30/2015 1627 |
| 3+4-Methylphenol | ND | | 1 | 2.0 | 0.57 | ug/L | 10/30/2015 1627 |
| 3,3'-Dichlorobenzidine | ND | | 1 | 5.0 | 0.81 | ug/L | 10/30/2015 1627 |
| 3,3'-Dimethylbenzidine | ND | | 1 | 5.0 | 0.30 | ug/L | 10/30/2015 1627 |
| 3-Methylcholanthrene | ND | | 1 | 2.0 | 0.98 | ug/L | 10/30/2015 1627 |
| 3-Nitroaniline | ND | | 1 | 2.0 | 0.77 | ug/L | 10/30/2015 1627 |
| 4,6-Dinitro-2-methylphenol | ND | | 1 | 5.0 | 1.5 | ug/L | 10/30/2015 1627 |
| 4-Aminobiphenyl | ND | | 1 | 2.0 | 1.1 | ug/L | 10/30/2015 1627 |
| 4-Bromophenyl phenyl ether | ND | | 1 | 1.0 | 0.12 | ug/L | 10/30/2015 1627 |
| 4-Chloro-3-methyl phenol | ND | | 1 | 1.0 | 0.22 | ug/L | 10/30/2015 1627 |
| 4-Chloroaniline | ND | | 1 | 1.0 | 0.13 | ug/L | 10/30/2015 1627 |
| 4-Chlorophenyl phenyl ether | ND | | 1 | 1.0 | 0.11 | ug/L | 10/30/2015 1627 |
| 4-Nitroaniline | ND | | 1 | 2.0 | 0.39 | ug/L | 10/30/2015 1627 |
| 4-Nitrophenol | ND | | 1 | 5.0 | 0.64 | ug/L | 10/30/2015 1627 |
| 5-Nitro-o-toluidine | ND | | 1 | 5.0 | 2.0 | ug/L | 10/30/2015 1627 |
| 7,12-Dimethylbenzo(a)anthracene | ND | | 1 | 2.0 | 1.1 | ug/L | 10/30/2015 1627 |
| a,a-Dimethylphenethylamine | ND | | 1 | 10 | 0.080 | ug/L | 10/30/2015 1627 |

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+ = RPD is out of criteria
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**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88060-001
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | | 1 | 1.0 | 0.090 | ug/L | 10/30/2015 1627 |
| Acenaphthylene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/30/2015 1627 |
| Acetophenone | ND | | 1 | 1.0 | 0.32 | ug/L | 10/30/2015 1627 |
| Anthracene | ND | | 1 | 1.0 | 0.13 | ug/L | 10/30/2015 1627 |
| Benzo(a)anthracene | ND | | 1 | 1.0 | 0.15 | ug/L | 10/30/2015 1627 |
| Benzo(a)pyrene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/30/2015 1627 |
| Benzo(b)fluoranthene | ND | | 1 | 1.0 | 0.20 | ug/L | 10/30/2015 1627 |
| Benzo(g,h,i)perylene | ND | | 1 | 1.0 | 0.23 | ug/L | 10/30/2015 1627 |
| Benzo(k)fluoranthene | ND | | 1 | 1.0 | 0.12 | ug/L | 10/30/2015 1627 |
| Benzyl alcohol | ND | | 1 | 1.0 | 0.27 | ug/L | 10/30/2015 1627 |
| bis (2-Chloro-1-methylethyl) ether | ND | | 1 | 1.0 | 0.080 | ug/L | 10/30/2015 1627 |
| bis(2-Chloroethoxy)methane | ND | | 1 | 1.0 | 0.13 | ug/L | 10/30/2015 1627 |
| bis(2-Chloroethyl)ether | ND | | 1 | 1.0 | 0.13 | ug/L | 10/30/2015 1627 |
| bis(2-Ethylhexyl)phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Butyl benzyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Chlorobenzilate | ND | | 1 | 2.0 | 0.41 | ug/L | 10/30/2015 1627 |
| Chrysene | ND | | 1 | 1.0 | 0.12 | ug/L | 10/30/2015 1627 |
| Di-n-butyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Di-n-octylphthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Diallate - isomer 1 | ND | | 1 | 2.0 | 0.67 | ug/L | 10/30/2015 1627 |
| Diallate - isomer 2 | ND | | 1 | 2.0 | 0.68 | ug/L | 10/30/2015 1627 |
| Dibenzo(a,h)anthracene | ND | | 1 | 1.0 | 0.13 | ug/L | 10/30/2015 1627 |
| Dibenzofuran | ND | | 1 | 1.0 | 0.16 | ug/L | 10/30/2015 1627 |
| Diethylphthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Dimethoate | ND | | 1 | 2.0 | 0.71 | ug/L | 10/30/2015 1627 |
| Dimethyl phthalate | ND | | 1 | 5.0 | 1.7 | ug/L | 10/30/2015 1627 |
| Disulfoton | ND | | 1 | 1.0 | 0.25 | ug/L | 10/30/2015 1627 |
| Ethyl methanesulfonate | ND | | 1 | 1.0 | 0.42 | ug/L | 10/30/2015 1627 |
| Ethyl parathion | ND | | 1 | 5.0 | 2.2 | ug/L | 10/30/2015 1627 |
| Famphur | ND | | 1 | 5.0 | 4.1 | ug/L | 10/30/2015 1627 |
| Fluoranthene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/30/2015 1627 |
| Fluorene | ND | | 1 | 1.0 | 0.10 | ug/L | 10/30/2015 1627 |
| Hexachlorobenzene | ND | | 1 | 1.0 | 0.21 | ug/L | 10/30/2015 1627 |
| Hexachlorobutadiene | ND | | 1 | 1.0 | 0.090 | ug/L | 10/30/2015 1627 |
| Hexachlorocyclopentadiene | ND | | 1 | 5.0 | 0.23 | ug/L | 10/30/2015 1627 |
| Hexachloroethane | ND | | 1 | 1.0 | 0.11 | ug/L | 10/30/2015 1627 |
| Hexachloropropene | ND | | 1 | 2.0 | 0.27 | ug/L | 10/30/2015 1627 |
| Indeno(1,2,3-c,d)pyrene | ND | | 1 | 1.0 | 0.23 | ug/L | 10/30/2015 1627 |
| Isodrin | ND | | 1 | 1.0 | 0.52 | ug/L | 10/30/2015 1627 |
| Isophorone | ND | | 1 | 1.0 | 0.080 | ug/L | 10/30/2015 1627 |
| Isosafrole | ND | | 1 | 1.0 | 0.50 | ug/L | 10/30/2015 1627 |
| Kepone | ND | | 1 | 10 | 4.3 | ug/L | 10/30/2015 1627 |
| Methapyrilene | ND | | 1 | 5.0 | 2.7 | ug/L | 10/30/2015 1627 |
| Methyl methanesulfonate | ND | | 1 | 1.0 | 0.49 | ug/L | 10/30/2015 1627 |

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**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MB

**Sample ID:** QQ88060-001
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Methyl parathion | ND | | 1 | 5.0 | 3.2 | ug/L | 10/30/2015 1627 |
| N-Nitroso-di-butylamine | ND | | 1 | 1.0 | 0.21 | ug/L | 10/30/2015 1627 |
| N-Nitrosodi-n-propylamine | ND | | 1 | 1.0 | 0.080 | ug/L | 10/30/2015 1627 |
| N-Nitrosodiethylamine | ND | | 1 | 1.0 | 0.53 | ug/L | 10/30/2015 1627 |
| N-Nitrosodimethylamine | ND | | 1 | 1.0 | 0.10 | ug/L | 10/30/2015 1627 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | | 1 | 1.0 | 0.38 | ug/L | 10/30/2015 1627 |
| N-Nitrosomethylethylamine | ND | | 1 | 1.0 | 0.20 | ug/L | 10/30/2015 1627 |
| N-Nitrosopiperidine | ND | | 1 | 1.0 | 0.22 | ug/L | 10/30/2015 1627 |
| N-Nitrosopyrrolidine | ND | | 1 | 1.0 | 0.26 | ug/L | 10/30/2015 1627 |
| Naphthalene | ND | | 1 | 1.0 | 0.070 | ug/L | 10/30/2015 1627 |
| Nitrobenzene | ND | | 1 | 1.0 | 0.10 | ug/L | 10/30/2015 1627 |
| o-Toluidine | ND | | 1 | 1.0 | 0.92 | ug/L | 10/30/2015 1627 |
| p-(Dimethylamino)azobenzene | ND | | 1 | 1.0 | 0.53 | ug/L | 10/30/2015 1627 |
| p-Phenylenediamine | ND | | 1 | 10 | 1.8 | ug/L | 10/30/2015 1627 |
| Pentachlorobenzene | ND | | 1 | 1.0 | 0.28 | ug/L | 10/30/2015 1627 |
| Pentachloronitrobenzene | ND | | 1 | 5.0 | 0.64 | ug/L | 10/30/2015 1627 |
| Pentachlorophenol | ND | | 1 | 5.0 | 0.54 | ug/L | 10/30/2015 1627 |
| Phenacetin | ND | | 1 | 1.0 | 0.32 | ug/L | 10/30/2015 1627 |
| Phenanthrene | ND | | 1 | 1.0 | 0.18 | ug/L | 10/30/2015 1627 |
| Phenol | ND | | 1 | 1.0 | 0.11 | ug/L | 10/30/2015 1627 |
| Phorate | ND | | 1 | 2.0 | 1.2 | ug/L | 10/30/2015 1627 |
| Pronamide | ND | | 1 | 2.0 | 0.81 | ug/L | 10/30/2015 1627 |
| Pyrene | ND | | 1 | 1.0 | 0.16 | ug/L | 10/30/2015 1627 |
| Safrole | ND | | 1 | 1.0 | 0.26 | ug/L | 10/30/2015 1627 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 75 | 41-144 |
| 2-Fluorobiphenyl | | 89 | 37-129 |
| 2-Fluorophenol | | 83 | 24-127 |
| Nitrobenzene-d5 | | 101 | 38-127 |
| Phenol-d5 | | 94 | 28-128 |
| Terphenyl-d14 | | 113 | 10-148 |

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J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88060-002
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | 20 | 15 | | 1 | 73 | 51-117 | 10/30/2015 1652 |
| 1,2-Dichlorobenzene | 20 | 16 | | 1 | 78 | 50-116 | 10/30/2015 1652 |
| 1,3-Dichlorobenzene | 20 | 14 | | 1 | 70 | 48-114 | 10/30/2015 1652 |
| 1,4-Dichlorobenzene | 20 | 14 | | 1 | 72 | 48-112 | 10/30/2015 1652 |
| 2,4,5-Trichlorophenol | 20 | 17 | | 1 | 84 | 56-118 | 10/30/2015 1652 |
| 2,4,6-Trichlorophenol | 20 | 17 | | 1 | 87 | 55-121 | 10/30/2015 1652 |
| 2,4-Dichlorophenol | 40 | 35 | | 1 | 88 | 55-117 | 10/30/2015 1652 |
| 2,4-Dimethylphenol | 20 | 15 | | 1 | 73 | 36-170 | 10/30/2015 1652 |
| 2,4-Dinitrophenol | 20 | 13 | | 1 | 66 | 47-133 | 10/30/2015 1652 |
| 2,4-Dinitrotoluene | 20 | 21 | | 1 | 103 | 59-127 | 10/30/2015 1652 |
| 2,6-Dinitrotoluene | 20 | 20 | | 1 | 100 | 59-126 | 10/30/2015 1652 |
| 2-Chloronaphthalene | 20 | 17 | | 1 | 86 | 46-100 | 10/30/2015 1652 |
| 2-Chlorophenol | 20 | 17 | | 1 | 86 | 50-117 | 10/30/2015 1652 |
| 2-Methylnaphthalene | 20 | 17 | | 1 | 85 | 57-115 | 10/30/2015 1652 |
| 2-Methylphenol | 20 | 18 | | 1 | 91 | 56-119 | 10/30/2015 1652 |
| 2-Nitroaniline | 20 | 22 | | 1 | 109 | 60-124 | 10/30/2015 1652 |
| 2-Nitrophenol | 20 | 17 | | 1 | 83 | 51-118 | 10/30/2015 1652 |
| 3+4-Methylphenol | 20 | 17 | | 1 | 86 | 53-119 | 10/30/2015 1652 |
| 3,3'-Dichlorobenzidine | 20 | 18 | | 1 | 92 | 10-126 | 10/30/2015 1652 |
| 3-Nitroaniline | 20 | 16 | | 1 | 81 | 43-123 | 10/30/2015 1652 |
| 4,6-Dinitro-2-methylphenol | 20 | 19 | | 1 | 96 | 56-128 | 10/30/2015 1652 |
| 4-Bromophenyl phenyl ether | 20 | 19 | | 1 | 96 | 55-121 | 10/30/2015 1652 |
| 4-Chloro-3-methyl phenol | 20 | 20 | | 1 | 99 | 58-125 | 10/30/2015 1652 |
| 4-Chloroaniline | 20 | 17 | | 1 | 84 | 10-128 | 10/30/2015 1652 |
| 4-Chlorophenyl phenyl ether | 20 | 19 | | 1 | 94 | 55-121 | 10/30/2015 1652 |
| 4-Nitroaniline | 20 | 22 | | 1 | 108 | 60-135 | 10/30/2015 1652 |
| 4-Nitrophenol | 40 | 49 | | 1 | 124 | 53-130 | 10/30/2015 1652 |
| Acenaphthene | 20 | 19 | | 1 | 96 | 54-118 | 10/30/2015 1652 |
| Acenaphthylene | 20 | 18 | | 1 | 92 | 48-155 | 10/30/2015 1652 |
| Acetophenone | 20 | 18 | | 1 | 92 | 52-125 | 10/30/2015 1652 |
| Anthracene | 20 | 20 | | 1 | 100 | 55-122 | 10/30/2015 1652 |
| Benzo(a)anthracene | 20 | 22 | | 1 | 108 | 56-123 | 10/30/2015 1652 |
| Benzo(a)pyrene | 20 | 21 | | 1 | 107 | 54-124 | 10/30/2015 1652 |
| Benzo(b)fluoranthene | 20 | 23 | | 1 | 115 | 55-136 | 10/30/2015 1652 |
| Benzo(g,h,i)perylene | 20 | 20 | | 1 | 98 | 42-129 | 10/30/2015 1652 |
| Benzo(k)fluoranthene | 20 | 24 | | 1 | 120 | 53-132 | 10/30/2015 1652 |
| Benzyl alcohol | 20 | 20 | | 1 | 101 | 50-134 | 10/30/2015 1652 |
| bis (2-Chloro-1-methylethyl) ether | 20 | 20 | | 1 | 99 | 42-124 | 10/30/2015 1652 |
| bis(2-Chloroethoxy)methane | 20 | 18 | | 1 | 90 | 44-127 | 10/30/2015 1652 |
| bis(2-Chloroethyl)ether | 20 | 21 | | 1 | 104 | 46-120 | 10/30/2015 1652 |
| bis(2-Ethylhexyl)phthalate | 20 | 23 | | 1 | 115 | 56-128 | 10/30/2015 1652 |
| Butyl benzyl phthalate | 20 | 24 | | 1 | 118 | 54-135 | 10/30/2015 1652 |
| Chrysene | 20 | 21 | | 1 | 106 | 54-120 | 10/30/2015 1652 |
| Di-n-butyl phthalate | 20 | 23 | | 1 | 113 | 60-131 | 10/30/2015 1652 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - LCS

**Sample ID:** QQ88060-002
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Di-n-octylphthalate | 20 | 25 | | 1 | 126 | 50-136 | 10/30/2015 1652 |
| Dibenzo(a,h)anthracene | 20 | 18 | | 1 | 92 | 50-127 | 10/30/2015 1652 |
| Dibenzofuran | 20 | 18 | | 1 | 90 | 58-118 | 10/30/2015 1652 |
| Diethylphthalate | 20 | 22 | | 1 | 109 | 60-125 | 10/30/2015 1652 |
| Dimethyl phthalate | 20 | 20 | | 1 | 98 | 60-122 | 10/30/2015 1652 |
| Fluoranthene | 20 | 21 | | 1 | 104 | 58-124 | 10/30/2015 1652 |
| Fluorene | 20 | 20 | | 1 | 99 | 57-119 | 10/30/2015 1652 |
| Hexachlorobenzene | 20 | 20 | | 1 | 98 | 55-118 | 10/30/2015 1652 |
| Hexachlorobutadiene | 20 | 16 | | 1 | 79 | 53-116 | 10/30/2015 1652 |
| Hexachlorocyclopentadiene | 70 | 49 | | 1 | 71 | 16-96 | 10/30/2015 1652 |
| Hexachloroethane | 20 | 16 | | 1 | 79 | 31-110 | 10/30/2015 1652 |
| Indeno(1,2,3-c,d)pyrene | 20 | 20 | | 1 | 102 | 48-126 | 10/30/2015 1652 |
| Isophorone | 20 | 21 | | 1 | 106 | 57-123 | 10/30/2015 1652 |
| N-Nitrosodi-n-propylamine | 20 | 19 | | 1 | 97 | 54-127 | 10/30/2015 1652 |
| N-Nitrosodimethylamine | 20 | 20 | | 1 | 101 | 41-123 | 10/30/2015 1652 |
| N-Nitrosodiphenylamine (Diphenylamine) | 20 | 20 | | 1 | 99 | 35-146 | 10/30/2015 1652 |
| Naphthalene | 20 | 17 | | 1 | 85 | 52-109 | 10/30/2015 1652 |
| Nitrobenzene | 20 | 20 | | 1 | 102 | 51-122 | 10/30/2015 1652 |
| Pentachlorophenol | 40 | 38 | | 1 | 95 | 42-131 | 10/30/2015 1652 |
| Phenanthrene | 20 | 20 | | 1 | 102 | 56-119 | 10/30/2015 1652 |
| Phenol | 20 | 19 | | 1 | 94 | 49-117 | 10/30/2015 1652 |
| Pyrene | 20 | 22 | | 1 | 110 | 55-127 | 10/30/2015 1652 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 90 | 41-144 |
| 2-Fluorobiphenyl | | 92 | 37-129 |
| 2-Fluorophenol | | 82 | 24-127 |
| Nitrobenzene-d5 | | 103 | 38-127 |
| Phenol-d5 | | 94 | 28-128 |
| Terphenyl-d14 | | 117 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MS

**Sample ID:** QJ23019-001 **Matrix:** Aqueous
**Batch:** 88060 **Prep Method:** 3520C
**Analytical Method:** 8270D **Prep Date:** 10/26/2015 1322

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 40 | 35 | | 1 | 88 | 54-118 | 10/30/2015 2127 |
| Acenaphthylene | ND | 40 | 34 | | 1 | 85 | 48-155 | 10/30/2015 2127 |
| Acetophenone | ND | 40 | 38 | | 1 | 96 | 52-125 | 10/30/2015 2127 |
| Anthracene | ND | 40 | 37 | | 1 | 93 | 30-130 | 10/30/2015 2127 |
| Benzo(a)anthracene | ND | 40 | 40 | | 1 | 100 | 56-123 | 10/30/2015 2127 |
| Benzo(a)pyrene | ND | 40 | 40 | | 1 | 99 | 54-124 | 10/30/2015 2127 |
| Benzo(b)fluoranthene | ND | 40 | 43 | | 1 | 106 | 55-136 | 10/30/2015 2127 |
| Benzo(g,h,i)perylene | ND | 40 | 35 | | 1 | 87 | 42-129 | 10/30/2015 2127 |
| Benzo(k)fluoranthene | ND | 40 | 42 | | 1 | 104 | 53-132 | 10/30/2015 2127 |
| Benzyl alcohol | ND | 40 | 39 | | 1 | 97 | 50-134 | 10/30/2015 2127 |
| 4-Bromophenyl phenyl ether | ND | 40 | 37 | | 1 | 93 | 55-121 | 10/30/2015 2127 |
| Butyl benzyl phthalate | ND | 40 | 44 | | 1 | 109 | 54-135 | 10/30/2015 2127 |
| 4-Chloro-3-methyl phenol | ND | 40 | 39 | | 1 | 97 | 58-125 | 10/30/2015 2127 |
| 4-Chloroaniline | ND | 40 | 19 | | 1 | 48 | 10-128 | 10/30/2015 2127 |
| bis(2-Chloroethoxy)methane | ND | 40 | 34 | | 1 | 84 | 44-127 | 10/30/2015 2127 |
| bis(2-Chloroethyl)ether | ND | 40 | 36 | | 1 | 89 | 46-120 | 10/30/2015 2127 |
| bis (2-Chloro-1-methylethyl) ether | ND | 40 | 35 | | 1 | 87 | 42-124 | 10/30/2015 2127 |
| 2-Chloronaphthalene | ND | 40 | 32 | | 1 | 80 | 46-100 | 10/30/2015 2127 |
| 2-Chlorophenol | ND | 40 | 31 | | 1 | 77 | 50-117 | 10/30/2015 2127 |
| 4-Chlorophenyl phenyl ether | ND | 40 | 36 | N | 1 | 89 | 121-130 | 10/30/2015 2127 |
| Chrysene | ND | 40 | 38 | | 1 | 96 | 54-120 | 10/30/2015 2127 |
| Dibenzo(a,h)anthracene | ND | 40 | 33 | | 1 | 82 | 50-127 | 10/30/2015 2127 |
| Dibenzofuran | ND | 40 | 33 | | 1 | 84 | 58-118 | 10/30/2015 2127 |
| 1,2-Dichlorobenzene | ND | 40 | 29 | | 1 | 72 | 50-116 | 10/30/2015 2127 |
| 1,3-Dichlorobenzene | ND | 40 | 26 | | 1 | 64 | 48-114 | 10/30/2015 2127 |
| 1,4-Dichlorobenzene | ND | 40 | 27 | | 1 | 69 | 48-112 | 10/30/2015 2127 |
| 3,3'-Dichlorobenzidine | ND | 40 | 21 | | 1 | 52 | 10-126 | 10/30/2015 2127 |
| 2,4-Dichlorophenol | ND | 80 | 70 | | 1 | 88 | 55-117 | 10/30/2015 2127 |
| Diethylphthalate | ND | 40 | 41 | | 1 | 103 | 60-125 | 10/30/2015 2127 |
| Dimethyl phthalate | ND | 40 | 37 | | 1 | 93 | 60-122 | 10/30/2015 2127 |
| 2,4-Dimethylphenol | ND | 40 | 30 | | 1 | 75 | 36-170 | 10/30/2015 2127 |
| Di-n-butyl phthalate | ND | 40 | 42 | | 1 | 105 | 60-131 | 10/30/2015 2127 |
| 4,6-Dinitro-2-methylphenol | ND | 40 | 40 | | 1 | 99 | 56-128 | 10/30/2015 2127 |
| 2,4-Dinitrophenol | ND | 40 | 37 | | 1 | 92 | 47-133 | 10/30/2015 2127 |
| 2,4-Dinitrotoluene | ND | 40 | 39 | | 1 | 97 | 59-127 | 10/30/2015 2127 |
| 2,6-Dinitrotoluene | ND | 40 | 37 | | 1 | 93 | 59-126 | 10/30/2015 2127 |
| Di-n-octylphthalate | ND | 40 | 47 | | 1 | 117 | 50-136 | 10/30/2015 2127 |
| bis(2-Ethylhexyl)phthalate | ND | 40 | 47 | | 1 | 117 | 56-128 | 10/30/2015 2127 |
| Fluoranthene | ND | 40 | 39 | | 1 | 97 | 58-124 | 10/30/2015 2127 |
| Fluorene | ND | 40 | 37 | | 1 | 92 | 57-119 | 10/30/2015 2127 |
| Hexachlorobenzene | ND | 40 | 36 | | 1 | 91 | 55-118 | 10/30/2015 2127 |
| Hexachlorobutadiene | ND | 40 | 27 | | 1 | 68 | 53-116 | 10/30/2015 2127 |
| Hexachlorocyclopentadiene | ND | 140 | 85 | | 1 | 61 | 16-96 | 10/30/2015 2127 |
| Hexachloroethane | ND | 40 | 28 | | 1 | 71 | 31-110 | 10/30/2015 2127 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MS

**Sample ID:** QJ23019-001
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Indeno(1,2,3-c,d)pyrene | ND | 40 | 36 | | 1 | 90 | 48-126 | 10/30/2015 2127 |
| Isophorone | ND | 40 | 38 | | 1 | 94 | 57-123 | 10/30/2015 2127 |
| 2-Methylnaphthalene | ND | 40 | 32 | | 1 | 79 | 57-115 | 10/30/2015 2127 |
| 2-Methylphenol | ND | 40 | 35 | | 1 | 87 | 56-119 | 10/30/2015 2127 |
| 3+4-Methylphenol | ND | 40 | 35 | | 1 | 86 | 53-119 | 10/30/2015 2127 |
| Naphthalene | ND | 40 | 32 | | 1 | 79 | 52-109 | 10/30/2015 2127 |
| 2-Nitroaniline | ND | 40 | 42 | | 1 | 104 | 60-124 | 10/30/2015 2127 |
| 3-Nitroaniline | ND | 40 | 26 | | 1 | 65 | 43-123 | 10/30/2015 2127 |
| 4-Nitroaniline | ND | 40 | 37 | | 1 | 92 | 60-135 | 10/30/2015 2127 |
| Nitrobenzene | ND | 40 | 36 | | 1 | 90 | 51-122 | 10/30/2015 2127 |
| 2-Nitrophenol | ND | 40 | 32 | | 1 | 80 | 51-118 | 10/30/2015 2127 |
| 4-Nitrophenol | ND | 80 | 94 | | 1 | 117 | 53-130 | 10/30/2015 2127 |
| N-Nitrosodimethylamine | ND | 40 | 36 | | 1 | 90 | 41-123 | 10/30/2015 2127 |
| N-Nitrosodi-n-propylamine | ND | 40 | 36 | | 1 | 90 | 54-127 | 10/30/2015 2127 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | 40 | 34 | | 1 | 85 | 35-146 | 10/30/2015 2127 |
| Pentachlorophenol | ND | 80 | 82 | | 1 | 102 | 42-131 | 10/30/2015 2127 |
| Phenanthrene | ND | 40 | 38 | | 1 | 96 | 56-119 | 10/30/2015 2127 |
| Phenol | ND | 40 | 34 | | 1 | 86 | 49-117 | 10/30/2015 2127 |
| Pyrene | ND | 40 | 39 | | 1 | 98 | 55-127 | 10/30/2015 2127 |
| 1,2,4-Trichlorobenzene | ND | 40 | 27 | | 1 | 67 | 51-117 | 10/30/2015 2127 |
| 2,4,5-Trichlorophenol | ND | 40 | 35 | | 1 | 87 | 56-118 | 10/30/2015 2127 |
| 2,4,6-Trichlorophenol | ND | 40 | 36 | | 1 | 89 | 55-121 | 10/30/2015 2127 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 91 | 41-144 |
| 2-Fluorobiphenyl | | 80 | 37-129 |
| 2-Fluorophenol | | 72 | 24-127 |
| Nitrobenzene-d5 | | 87 | 38-127 |
| Phenol-d5 | | 83 | 28-128 |
| Terphenyl-d14 | | 95 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 40 | 29 | | 1 | 72 | 20 | 54-118 | 40 | 10/30/2015 2152 |
| Acenaphthylene | ND | 40 | 28 | | 1 | 70 | 19 | 48-155 | 40 | 10/30/2015 2152 |
| Acetophenone | ND | 40 | 29 | | 1 | 72 | 28 | 52-125 | 40 | 10/30/2015 2152 |
| Anthracene | ND | 40 | 34 | | 1 | 84 | 9.9 | 30-130 | 40 | 10/30/2015 2152 |
| Benzo(a)anthracene | ND | 40 | 37 | | 1 | 92 | 8.0 | 56-123 | 40 | 10/30/2015 2152 |
| Benzo(a)pyrene | ND | 40 | 37 | | 1 | 92 | 6.9 | 54-124 | 40 | 10/30/2015 2152 |
| Benzo(b)fluoranthene | ND | 40 | 40 | | 1 | 100 | 6.4 | 55-136 | 40 | 10/30/2015 2152 |
| Benzo(g,h,i)perylene | ND | 40 | 32 | | 1 | 79 | 9.3 | 42-129 | 40 | 10/30/2015 2152 |
| Benzo(k)fluoranthene | ND | 40 | 40 | | 1 | 99 | 4.9 | 53-132 | 40 | 10/30/2015 2152 |
| Benzyl alcohol | ND | 40 | 30 | | 1 | 75 | 26 | 50-134 | 40 | 10/30/2015 2152 |
| 4-Bromophenyl phenyl ether | ND | 40 | 32 | | 1 | 81 | 14 | 55-121 | 40 | 10/30/2015 2152 |
| Butyl benzyl phthalate | ND | 40 | 41 | | 1 | 103 | 5.6 | 54-135 | 40 | 10/30/2015 2152 |
| 4-Chloro-3-methyl phenol | ND | 40 | 34 | | 1 | 84 | 15 | 58-125 | 40 | 10/30/2015 2152 |
| 4-Chloroaniline | ND | 40 | 17 | | 1 | 43 | 10 | 10-128 | 40 | 10/30/2015 2152 |
| bis(2-Chloroethoxy)methane | ND | 40 | 26 | | 1 | 64 | 28 | 44-127 | 40 | 10/30/2015 2152 |
| bis(2-Chloroethyl)ether | ND | 40 | 27 | | 1 | 68 | 27 | 46-120 | 40 | 10/30/2015 2152 |
| bis (2-Chloro-1-methylethyl) ether | ND | 40 | 26 | | 1 | 66 | 28 | 42-124 | 40 | 10/30/2015 2152 |
| 2-Chloronaphthalene | ND | 40 | 26 | | 1 | 64 | 22 | 46-100 | 40 | 10/30/2015 2152 |
| 2-Chlorophenol | ND | 40 | 24 | | 1 | 59 | 26 | 50-117 | 40 | 10/30/2015 2152 |
| 4-Chlorophenyl phenyl ether | ND | 40 | 30 | N | 1 | 75 | 17 | 121-130 | 40 | 10/30/2015 2152 |
| Chrysene | ND | 40 | 36 | | 1 | 90 | 5.6 | 54-120 | 40 | 10/30/2015 2152 |
| Dibenzo(a,h)anthracene | ND | 40 | 30 | | 1 | 75 | 8.3 | 50-127 | 40 | 10/30/2015 2152 |
| Dibenzofuran | ND | 40 | 28 | | 1 | 71 | 17 | 58-118 | 40 | 10/30/2015 2152 |
| 1,2-Dichlorobenzene | ND | 40 | 23 | | 1 | 56 | 24 | 50-116 | 40 | 10/30/2015 2152 |
| 1,3-Dichlorobenzene | ND | 40 | 20 | | 1 | 50 | 25 | 48-114 | 40 | 10/30/2015 2152 |
| 1,4-Dichlorobenzene | ND | 40 | 21 | | 1 | 53 | 26 | 48-112 | 40 | 10/30/2015 2152 |
| 3,3'-Dichlorobenzidine | ND | 40 | 22 | | 1 | 55 | 5.5 | 10-126 | 40 | 10/30/2015 2152 |
| 2,4-Dichlorophenol | ND | 80 | 55 | | 1 | 69 | 23 | 55-117 | 40 | 10/30/2015 2152 |
| Diethylphthalate | ND | 40 | 37 | | 1 | 91 | 11 | 60-125 | 40 | 10/30/2015 2152 |
| Dimethyl phthalate | ND | 40 | 32 | | 1 | 80 | 16 | 60-122 | 40 | 10/30/2015 2152 |
| 2,4-Dimethylphenol | ND | 40 | 24 | | 1 | 61 | 20 | 36-170 | 40 | 10/30/2015 2152 |
| Di-n-butyl phthalate | ND | 40 | 39 | | 1 | 98 | 7.5 | 60-131 | 40 | 10/30/2015 2152 |
| 4,6-Dinitro-2-methylphenol | ND | 40 | 36 | | 1 | 89 | 11 | 56-128 | 40 | 10/30/2015 2152 |
| 2,4-Dinitrophenol | ND | 40 | 33 | | 1 | 82 | 11 | 47-133 | 40 | 10/30/2015 2152 |
| 2,4-Dinitrotoluene | ND | 40 | 35 | | 1 | 88 | 9.8 | 59-127 | 40 | 10/30/2015 2152 |
| 2,6-Dinitrotoluene | ND | 40 | 32 | | 1 | 80 | 15 | 59-126 | 40 | 10/30/2015 2152 |
| Di-n-octylphthalate | ND | 40 | 44 | | 1 | 110 | 5.7 | 50-136 | 40 | 10/30/2015 2152 |
| bis(2-Ethylhexyl)phthalate | ND | 40 | 44 | | 1 | 111 | 5.8 | 56-128 | 40 | 10/30/2015 2152 |
| Fluoranthene | ND | 40 | 36 | | 1 | 90 | 8.0 | 58-124 | 40 | 10/30/2015 2152 |
| Fluorene | ND | 40 | 31 | | 1 | 79 | 16 | 57-119 | 40 | 10/30/2015 2152 |
| Hexachlorobenzene | ND | 40 | 33 | | 1 | 82 | 11 | 55-118 | 40 | 10/30/2015 2152 |
| Hexachlorobutadiene | ND | 40 | 21 | | 1 | 53 | 25 | 53-116 | 40 | 10/30/2015 2152 |
| Hexachlorocyclopentadiene | ND | 140 | 61 | | 1 | 44 | 32 | 16-96 | 40 | 10/30/2015 2152 |
| Hexachloroethane | ND | 40 | 22 | | 1 | 56 | 24 | 31-110 | 40 | 10/30/2015 2152 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Semivolatile Organic Compounds by GC/MS - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88060
**Analytical Method:** 8270D

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/26/2015 1322

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Indeno(1,2,3-c,d)pyrene | ND | 40 | 33 | | 1 | 83 | 8.1 | 48-126 | 40 | 10/30/2015 2152 |
| Isophorone | ND | 40 | 29 | | 1 | 72 | 27 | 57-123 | 40 | 10/30/2015 2152 |
| 2-Methylnaphthalene | ND | 40 | 24 | | 1 | 61 | 26 | 57-115 | 40 | 10/30/2015 2152 |
| 2-Methylphenol | ND | 40 | 27 | | 1 | 67 | 25 | 56-119 | 40 | 10/30/2015 2152 |
| 3+4-Methylphenol | ND | 40 | 27 | | 1 | 67 | 25 | 53-119 | 40 | 10/30/2015 2152 |
| Naphthalene | ND | 40 | 24 | | 1 | 59 | 28 | 52-109 | 40 | 10/30/2015 2152 |
| 2-Nitroaniline | ND | 40 | 36 | | 1 | 89 | 16 | 60-124 | 40 | 10/30/2015 2152 |
| 3-Nitroaniline | ND | 40 | 24 | | 1 | 61 | 5.8 | 43-123 | 40 | 10/30/2015 2152 |
| 4-Nitroaniline | ND | 40 | 33 | | 1 | 83 | 9.8 | 60-135 | 40 | 10/30/2015 2152 |
| Nitrobenzene | ND | 40 | 28 | | 1 | 69 | 26 | 51-122 | 40 | 10/30/2015 2152 |
| 2-Nitrophenol | ND | 40 | 25 | | 1 | 62 | 26 | 51-118 | 40 | 10/30/2015 2152 |
| 4-Nitrophenol | ND | 80 | 90 | | 1 | 112 | 4.6 | 53-130 | 40 | 10/30/2015 2152 |
| N-Nitrosodimethylamine | ND | 40 | 27 | | 1 | 68 | 27 | 41-123 | 40 | 10/30/2015 2152 |
| N-Nitrosodi-n-propylamine | ND | 40 | 27 | | 1 | 67 | 29 | 54-127 | 40 | 10/30/2015 2152 |
| N-Nitrosodiphenylamine (Diphenylamine) | ND | 40 | 32 | | 1 | 80 | 6.0 | 35-146 | 40 | 10/30/2015 2152 |
| Pentachlorophenol | ND | 80 | 77 | | 1 | 96 | 6.2 | 42-131 | 40 | 10/30/2015 2152 |
| Phenanthrene | ND | 40 | 35 | | 1 | 86 | 10 | 56-119 | 40 | 10/30/2015 2152 |
| Phenol | ND | 40 | 26 | | 1 | 66 | 26 | 49-117 | 40 | 10/30/2015 2152 |
| Pyrene | ND | 40 | 36 | | 1 | 91 | 7.8 | 55-127 | 40 | 10/30/2015 2152 |
| 1,2,4-Trichlorobenzene | ND | 40 | 21 | | 1 | 52 | 25 | 51-117 | 40 | 10/30/2015 2152 |
| 2,4,5-Trichlorophenol | ND | 40 | 30 | | 1 | 76 | 13 | 56-118 | 40 | 10/30/2015 2152 |
| 2,4,6-Trichlorophenol | ND | 40 | 30 | | 1 | 75 | 17 | 55-121 | 40 | 10/30/2015 2152 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| 2,4,6-Tribromophenol | | 82 | 41-144 |
| 2-Fluorobiphenyl | | 62 | 37-129 |
| 2-Fluorophenol | | 53 | 24-127 |
| Nitrobenzene-d5 | | 66 | 38-127 |
| Phenol-d5 | | 64 | 28-128 |
| Terphenyl-d14 | | 91 | 10-148 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - MB

**Sample ID:** QQ88153-001
**Batch:** 88153
**Analytical Method:** 8081B

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | ND | | 1 | 0.040 | 0.0090 | ug/L | 10/29/2015 1004 |
| 4,4'-DDE | ND | | 1 | 0.040 | 0.0090 | ug/L | 10/29/2015 1004 |
| 4,4'-DDT | ND | | 1 | 0.040 | 0.015 | ug/L | 10/29/2015 1004 |
| Aldrin | ND | | 1 | 0.040 | 0.0090 | ug/L | 10/29/2015 1004 |
| alpha-BHC | ND | | 1 | 0.040 | 0.013 | ug/L | 10/29/2015 1004 |
| beta-BHC | ND | | 1 | 0.040 | 0.015 | ug/L | 10/29/2015 1004 |
| Chlordane | ND | | 1 | 0.40 | 0.13 | ug/L | 10/29/2015 1004 |
| delta-BHC | ND | | 1 | 0.040 | 0.012 | ug/L | 10/29/2015 1004 |
| Dieldrin | ND | | 1 | 0.040 | 0.010 | ug/L | 10/29/2015 1004 |
| Endosulfan I | ND | | 1 | 0.040 | 0.011 | ug/L | 10/29/2015 1004 |
| Endosulfan II | ND | | 1 | 0.040 | 0.0090 | ug/L | 10/29/2015 1004 |
| Endosulfan sulfate | ND | | 1 | 0.040 | 0.014 | ug/L | 10/29/2015 1004 |
| Endrin | ND | | 1 | 0.040 | 0.012 | ug/L | 10/29/2015 1004 |
| Endrin aldehyde | ND | | 1 | 0.040 | 0.012 | ug/L | 10/29/2015 1004 |
| gamma-BHC (Lindane) | ND | | 1 | 0.040 | 0.017 | ug/L | 10/29/2015 1004 |
| Heptachlor | ND | | 1 | 0.040 | 0.012 | ug/L | 10/29/2015 1004 |
| Heptachlor epoxide | ND | | 1 | 0.040 | 0.011 | ug/L | 10/29/2015 1004 |
| Methoxychlor | ND | | 1 | 0.16 | 0.017 | ug/L | 10/29/2015 1004 |
| Toxaphene | ND | | 1 | 0.40 | 0.29 | ug/L | 10/29/2015 1004 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 89 | 10-122 |
| Tetrachloro-m-xylene | | 89 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - LCS

**Sample ID:** QQ88153-002
**Batch:** 88153
**Analytical Method:** 8081B

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 4,4'-DDD | 0.80 | 0.83 | | 1 | 104 | 70-130 | 10/29/2015 1019 |
| 4,4'-DDE | 0.80 | 0.74 | | 1 | 93 | 70-130 | 10/29/2015 1019 |
| 4,4'-DDT | 0.80 | 0.82 | | 1 | 103 | 70-130 | 10/29/2015 1019 |
| Aldrin | 0.80 | 0.79 | | 1 | 99 | 70-130 | 10/29/2015 1019 |
| alpha-BHC | 0.80 | 0.86 | | 1 | 107 | 70-130 | 10/29/2015 1019 |
| beta-BHC | 0.80 | 0.79 | | 1 | 98 | 70-130 | 10/29/2015 1019 |
| delta-BHC | 0.80 | 0.91 | | 1 | 114 | 70-130 | 10/29/2015 1019 |
| Dieldrin | 0.80 | 0.82 | | 1 | 103 | 70-130 | 10/29/2015 1019 |
| Endosulfan I | 0.80 | 0.79 | | 1 | 99 | 70-130 | 10/29/2015 1019 |
| Endosulfan II | 0.80 | 0.74 | | 1 | 93 | 70-130 | 10/29/2015 1019 |
| Endosulfan sulfate | 0.80 | 0.87 | | 1 | 109 | 70-130 | 10/29/2015 1019 |
| Endrin | 0.80 | 0.80 | | 1 | 100 | 70-130 | 10/29/2015 1019 |
| Endrin aldehyde | 0.80 | 0.61 | | 1 | 76 | 70-130 | 10/29/2015 1019 |
| gamma-BHC (Lindane) | 0.80 | 0.88 | | 1 | 110 | 70-130 | 10/29/2015 1019 |
| Heptachlor | 0.80 | 0.82 | | 1 | 102 | 70-130 | 10/29/2015 1019 |
| Heptachlor epoxide | 0.80 | 0.80 | | 1 | 100 | 70-130 | 10/29/2015 1019 |
| Methoxychlor | 0.80 | 0.90 | | 1 | 113 | 70-130 | 10/29/2015 1019 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 84 | 10-122 |
| Tetrachloro-m-xylene | | 88 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - MS

**Sample ID:** QJ23019-001MS
**Batch:** 88153
**Analytical Method:** 8081B

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Aldrin | ND | 0.80 | 0.81 | | 1 | 101 | 70-130 | 10/29/2015 1048 |
| gamma-BHC (Lindane) | ND | 0.80 | 0.88 | | 1 | 110 | 70-130 | 10/29/2015 1048 |
| alpha-BHC | ND | 0.80 | 0.86 | | 1 | 108 | 70-130 | 10/29/2015 1048 |
| beta-BHC | ND | 0.80 | 0.80 | | 1 | 100 | 70-130 | 10/29/2015 1048 |
| delta-BHC | ND | 0.80 | 0.92 | | 1 | 115 | 70-130 | 10/29/2015 1048 |
| 4,4'-DDD | ND | 0.80 | 0.80 | | 1 | 100 | 70-130 | 10/29/2015 1048 |
| 4,4'-DDE | ND | 0.80 | 0.70 | | 1 | 88 | 70-130 | 10/29/2015 1048 |
| 4,4'-DDT | ND | 0.80 | 0.87 | | 1 | 109 | 70-130 | 10/29/2015 1048 |
| Dieldrin | ND | 0.80 | 0.77 | | 1 | 97 | 70-130 | 10/29/2015 1048 |
| Endosulfan I | ND | 0.80 | 0.75 | | 1 | 94 | 70-130 | 10/29/2015 1048 |
| Endosulfan II | ND | 0.80 | 0.78 | | 1 | 97 | 70-130 | 10/29/2015 1048 |
| Endosulfan sulfate | ND | 0.80 | 0.82 | | 1 | 102 | 70-130 | 10/29/2015 1048 |
| Endrin | ND | 0.80 | 0.80 | | 1 | 101 | 70-130 | 10/29/2015 1048 |
| Endrin aldehyde | ND | 0.80 | 0.76 | | 1 | 95 | 70-130 | 10/29/2015 1048 |
| Heptachlor | ND | 0.80 | 0.83 | | 1 | 104 | 70-130 | 10/29/2015 1048 |
| Heptachlor epoxide | ND | 0.80 | 0.80 | | 1 | 99 | 70-130 | 10/29/2015 1048 |
| Methoxychlor | ND | 0.80 | 0.92 | | 1 | 115 | 70-130 | 10/29/2015 1048 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 80 | 10-122 |
| Tetrachloro-m-xylene | | 88 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Organochlorine Pesticides by GC - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88153
**Analytical Method:** 8081B

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Aldrin | ND | 0.80 | 0.80 | | 1 | 99 | 1.7 | 70-130 | 30 | 10/29/2015 1103 |
| gamma-BHC (Lindane) | ND | 0.80 | 0.86 | | 1 | 108 | 1.8 | 70-130 | 30 | 10/29/2015 1103 |
| alpha-BHC | ND | 0.80 | 0.85 | | 1 | 106 | 1.5 | 70-130 | 30 | 10/29/2015 1103 |
| beta-BHC | ND | 0.80 | 0.79 | | 1 | 99 | 0.96 | 70-130 | 30 | 10/29/2015 1103 |
| delta-BHC | ND | 0.80 | 0.91 | | 1 | 114 | 0.49 | 70-130 | 30 | 10/29/2015 1103 |
| 4,4'-DDD | ND | 0.80 | 0.83 | | 1 | 104 | 3.2 | 70-130 | 30 | 10/29/2015 1103 |
| 4,4'-DDE | ND | 0.80 | 0.73 | | 1 | 91 | 3.7 | 70-130 | 30 | 10/29/2015 1103 |
| 4,4'-DDT | ND | 0.80 | 0.91 | | 1 | 113 | 3.8 | 70-130 | 30 | 10/29/2015 1103 |
| Dieldrin | ND | 0.80 | 0.79 | | 1 | 98 | 1.8 | 70-130 | 30 | 10/29/2015 1103 |
| Endosulfan I | ND | 0.80 | 0.77 | | 1 | 96 | 2.4 | 70-130 | 30 | 10/29/2015 1103 |
| Endosulfan II | ND | 0.80 | 0.74 | | 1 | 93 | 4.8 | 70-130 | 30 | 10/29/2015 1103 |
| Endosulfan sulfate | ND | 0.80 | 0.82 | | 1 | 103 | 0.11 | 70-130 | 30 | 10/29/2015 1103 |
| Endrin | ND | 0.80 | 0.80 | | 1 | 100 | 0.52 | 70-130 | 30 | 10/29/2015 1103 |
| Endrin aldehyde | ND | 0.80 | 0.80 | | 1 | 100 | 4.2 | 70-130 | 30 | 10/29/2015 1103 |
| Heptachlor | ND | 0.80 | 0.82 | | 1 | 102 | 1.2 | 70-130 | 30 | 10/29/2015 1103 |
| Heptachlor epoxide | ND | 0.80 | 0.79 | | 1 | 99 | 0.19 | 70-130 | 30 | 10/29/2015 1103 |
| Methoxychlor | ND | 0.80 | 0.91 | | 1 | 113 | 1.3 | 70-130 | 30 | 10/29/2015 1103 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 84 | 10-122 |
| Tetrachloro-m-xylene | | 88 | 46-119 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - MB

**Sample ID:** QQ88195-001
**Batch:** 88195
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 10/28/2015 1055

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | ND | | 1 | 0.50 | 0.10 | ug/L | 11/02/2015 2132 |
| 2,4,5-TP (Silvex) | ND | | 1 | 0.50 | 0.10 | ug/L | 11/02/2015 2132 |
| 2,4-D | ND | | 1 | 2.0 | 0.40 | ug/L | 11/02/2015 2132 |
| Dinoseb | ND | | 1 | 1.0 | 0.44 | ug/L | 11/02/2015 2132 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 73 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - LCS

**Sample ID:** QQ88195-002
**Batch:** 88195
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 10/28/2015 1055

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| 2,4,5-T | 10 | 6.6 | N | 1 | 66 | 70-130 | 11/02/2015 2155 |
| 2,4,5-TP (Silvex) | 10 | 7.0 | | 1 | 70 | 70-130 | 11/02/2015 2155 |
| 2,4-D | 10 | 6.6 | N | 1 | 66 | 70-130 | 11/02/2015 2155 |
| Dinoseb | 10 | 4.0 | | 1 | 40 | 31-128 | 11/02/2015 2155 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 71 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - MS

**Sample ID:** QJ23019-001MS
**Batch:** 88195
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 10/28/2015 1055

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | ND | 20 | 14 | | 1 | 71 | 70-130 | 11/02/2015 2241 |
| 2,4-D | ND | 20 | 14 | | 1 | 72 | 70-130 | 11/02/2015 2241 |
| Dinoseb | ND | 20 | 12 | | 1 | 58 | 31-128 | 11/02/2015 2241 |
| 2,4,5-TP (Silvex) | ND | 20 | 15 | | 1 | 77 | 70-130 | 11/02/2015 2241 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 77 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# Herbicides by GC - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88195
**Analytical Method:** 8151A

**Matrix:** Aqueous
**Prep Method:** 8151A
**Prep Date:** 10/28/2015 1055

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-T | ND | 20 | 16 | | 1 | 78 | 8.5 | 70-130 | 40 | 11/02/2015 2304 |
| 2,4-D | ND | 20 | 16 | | 1 | 79 | 9.6 | 70-130 | 40 | 11/02/2015 2304 |
| Dinoseb | ND | 20 | 14 | | 1 | 70 | 18 | 31-128 | 40 | 11/02/2015 2304 |
| 2,4,5-TP (Silvex) | ND | 20 | 17 | | 1 | 83 | 7.1 | 70-130 | 40 | 11/02/2015 2304 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| DCAA | | 86 | 62-117 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# PCBs by GC - MB

**Sample ID:** QQ88434-001
**Batch:** 88434
**Analytical Method:** 8082A

**Matrix:** Aqueous
**Prep Method:** 3520C
**Cleanup:** 3665A
**Prep Date:** 10/27/2015 1622

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND | | 1 | 0.40 | 0.14 | ug/L | 10/30/2015 0904 |
| Aroclor 1221 | ND | | 1 | 0.40 | 0.25 | ug/L | 10/30/2015 0904 |
| Aroclor 1232 | ND | | 1 | 0.40 | 0.15 | ug/L | 10/30/2015 0904 |
| Aroclor 1242 | ND | | 1 | 0.40 | 0.15 | ug/L | 10/30/2015 0904 |
| Aroclor 1248 | ND | | 1 | 0.40 | 0.10 | ug/L | 10/30/2015 0904 |
| Aroclor 1254 | ND | | 1 | 0.40 | 0.10 | ug/L | 10/30/2015 0904 |
| Aroclor 1260 | ND | | 1 | 0.40 | 0.15 | ug/L | 10/30/2015 0904 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 82 | 10-133 |
| Tetrachloro-m-xylene | | 89 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# PCBs by GC - LCS

**Sample ID:** QQ88434-002
**Batch:** 88434
**Analytical Method:** 8082A

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622
**Cleanup:** 3665A

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Aroclor 1016 | 4.0 | 5.2 | | 1 | 129 | 70-130 | 10/30/2015 0917 |
| Aroclor 1260 | 4.0 | 5.0 | | 1 | 124 | 70-130 | 10/30/2015 0917 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 57 | 10-133 |
| Tetrachloro-m-xylene | | 94 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# PCBs by GC - MS

**Sample ID:** QJ23019-002MS
**Batch:** 88434
**Analytical Method:** 8082A

**Matrix:** Aqueous
**Prep Method:** 3520C
**Prep Date:** 10/27/2015 1622
**Cleanup:** 3665A

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND | 4.0 | 4.4 | | 1 | 110 | 70-130 | 10/30/2015 0957 |
| Aroclor 1260 | ND | 4.0 | 3.9 | | 1 | 98 | 70-130 | 10/30/2015 0957 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 39 | 10-133 |
| Tetrachloro-m-xylene | | 90 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# PCBs by GC - MSD

**Sample ID:** QJ23019-002MD
**Batch:** 88434
**Analytical Method:** 8082A

**Matrix:** Aqueous
**Prep Method:** 3520C
**Cleanup:** 3665A
**Prep Date:** 10/27/2015 1622

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Aroclor 1016 | ND | 4.0 | 4.1 | | 1 | 103 | 7.1 | 70-130 | 20 | 10/30/2015 1010 |
| Aroclor 1260 | ND | 4.0 | 3.7 | | 1 | 93 | 5.6 | 70-130 | 20 | 10/30/2015 1010 |

| Surrogate | Q | % Rec | Acceptance Limit |
|---|---|---|---|
| Decachlorobiphenyl | | 36 | 10-133 |
| Tetrachloro-m-xylene | | 86 | 31-122 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - MB

**Sample ID:** QQ88190-001
**Batch:** 88190
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 10/28/2015 843

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Antimony | ND | | 1 | 1.0 | 0.17 | ug/L | 11/07/2015 0033 |
| **Arsenic** | **0.41** | **J** | **1** | **1.0** | **0.26** | **ug/L** | **11/07/2015 0033** |
| Barium | ND | | 1 | 5.0 | 0.53 | ug/L | 11/07/2015 0033 |
| Beryllium | ND | | 1 | 0.40 | 0.12 | ug/L | 11/07/2015 0033 |
| Cadmium | ND | | 1 | 0.10 | 0.044 | ug/L | 11/07/2015 0033 |
| **Calcium** | **40** | **J** | **1** | **200** | **11** | **ug/L** | **11/07/2015 0033** |
| Chromium | ND | | 1 | 5.0 | 0.63 | ug/L | 11/07/2015 0033 |
| Cobalt | ND | | 1 | 5.0 | 0.26 | ug/L | 11/07/2015 0033 |
| Copper | ND | | 1 | 1.0 | 0.15 | ug/L | 11/07/2015 0033 |
| Lead | ND | | 1 | 1.0 | 0.15 | ug/L | 11/07/2015 0033 |
| Manganese | ND | | 1 | 5.0 | 0.54 | ug/L | 11/07/2015 0033 |
| Nickel | ND | | 1 | 5.0 | 0.63 | ug/L | 11/07/2015 0033 |
| Selenium | ND | | 1 | 1.0 | 0.95 | ug/L | 11/07/2015 0033 |
| Silver | ND | | 1 | 1.0 | 0.17 | ug/L | 11/10/2015 1713 |
| Thallium | ND | | 1 | 0.50 | 0.075 | ug/L | 11/07/2015 0033 |
| Tin | ND | | 1 | 5.0 | 2.7 | ug/L | 11/07/2015 0033 |
| Vanadium | ND | | 1 | 5.0 | 1.0 | ug/L | 11/07/2015 0033 |
| Zinc | ND | | 1 | 10 | 1.6 | ug/L | 11/07/2015 0033 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - LCS

**Sample ID:** QQ88190-002
**Batch:** 88190
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 10/28/2015 843

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Antimony | 100 | 110 | | 1 | 105 | 80-120 | 11/07/2015 0039 |
| Arsenic | 100 | 100 | | 1 | 102 | 80-120 | 11/07/2015 0039 |
| Barium | 100 | 100 | | 1 | 104 | 80-120 | 11/07/2015 0039 |
| Beryllium | 100 | 110 | | 1 | 106 | 80-120 | 11/07/2015 0039 |
| Cadmium | 100 | 100 | | 1 | 101 | 80-120 | 11/07/2015 0039 |
| Calcium | 1000 | 1100 | | 1 | 114 | 80-120 | 11/07/2015 0039 |
| Chromium | 100 | 100 | | 1 | 102 | 80-120 | 11/07/2015 0039 |
| Cobalt | 100 | 110 | | 1 | 105 | 80-120 | 11/07/2015 0039 |
| Copper | 100 | 100 | | 1 | 105 | 80-120 | 11/07/2015 0039 |
| Lead | 100 | 100 | | 1 | 101 | 80-120 | 11/07/2015 0039 |
| Manganese | 100 | 100 | | 1 | 105 | 80-120 | 11/07/2015 0039 |
| Nickel | 100 | 100 | | 1 | 101 | 80-120 | 11/07/2015 0039 |
| Selenium | 100 | 100 | | 1 | 103 | 80-120 | 11/07/2015 0039 |
| Silver | 100 | 110 | | 1 | 110 | 80-120 | 11/10/2015 1720 |
| Thallium | 100 | 98 | | 1 | 98 | 80-120 | 11/07/2015 0039 |
| Tin | 100 | 100 | | 1 | 103 | 80-120 | 11/07/2015 0039 |
| Vanadium | 100 | 100 | | 1 | 104 | 80-120 | 11/07/2015 0039 |
| Zinc | 100 | 100 | | 1 | 104 | 80-120 | 11/07/2015 0039 |

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - MS

**Sample ID:** QJ23019-001MS
**Batch:** 88190
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 10/28/2015 843

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 100 | 110 | | 1 | 111 | 70-130 | 11/07/2015 0053 |
| Arsenic | ND | 100 | 100 | | 1 | 101 | 70-130 | 11/07/2015 0053 |
| Barium | 140 | 100 | 250 | | 1 | 104 | 70-130 | 11/07/2015 0053 |
| Beryllium | ND | 100 | 100 | | 1 | 102 | 70-130 | 11/07/2015 0053 |
| Cadmium | ND | 100 | 98 | | 1 | 98 | 70-130 | 11/07/2015 0053 |
| Calcium | 42000 | 1000 | 43000 | N | 1 | 148 | 70-130 | 11/07/2015 0053 |
| Chromium | ND | 100 | 96 | | 1 | 96 | 70-130 | 11/07/2015 0053 |
| Cobalt | ND | 100 | 100 | | 1 | 100 | 70-130 | 11/07/2015 0053 |
| Copper | 0.91 | 100 | 100 | | 1 | 104 | 70-130 | 11/07/2015 0053 |
| Lead | ND | 100 | 100 | | 1 | 104 | 70-130 | 11/07/2015 0053 |
| Manganese | 4.7 | 100 | 110 | | 1 | 100 | 70-130 | 11/07/2015 0053 |
| Nickel | 1.4 | 100 | 96 | | 1 | 95 | 70-130 | 11/07/2015 0053 |
| Selenium | ND | 100 | 97 | | 1 | 97 | 70-130 | 11/07/2015 0053 |
| Silver | ND | 100 | 100 | | 1 | 100 | 70-130 | 11/10/2015 1733 |
| Thallium | ND | 100 | 100 | | 1 | 102 | 70-130 | 11/07/2015 0053 |
| Tin | ND | 100 | 100 | | 1 | 103 | 70-130 | 11/07/2015 0053 |
| Vanadium | 5.8 | 100 | 110 | | 1 | 100 | 70-130 | 11/07/2015 0053 |
| Zinc | 25 | 100 | 130 | | 1 | 107 | 70-130 | 11/07/2015 0053 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - MSD

**Sample ID:** QJ23019-001MD
**Batch:** 88190
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 10/28/2015 843

| Parameter | Sample Amount (ug/L) | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Antimony | ND | 100 | 110 | | 1 | 110 | 0.99 | 70-130 | 20 | 11/07/2015 0100 |
| Arsenic | ND | 100 | 100 | | 1 | 100 | 0.60 | 70-130 | 20 | 11/07/2015 0100 |
| Barium | 140 | 100 | 250 | | 1 | 104 | 0.32 | 70-130 | 20 | 11/07/2015 0100 |
| Beryllium | ND | 100 | 100 | | 1 | 102 | 0.39 | 70-130 | 20 | 11/07/2015 0100 |
| Cadmium | ND | 100 | 98 | | 1 | 98 | 0.52 | 70-130 | 20 | 11/07/2015 0100 |
| Calcium | 42000 | 1000 | 43000 | | 1 | 96 | 1.2 | 70-130 | 20 | 11/07/2015 0100 |
| Chromium | ND | 100 | 96 | | 1 | 96 | 0.27 | 70-130 | 20 | 11/07/2015 0100 |
| Cobalt | ND | 100 | 99 | | 1 | 99 | 1.5 | 70-130 | 20 | 11/07/2015 0100 |
| Copper | 0.91 | 100 | 99 | | 1 | 98 | 5.3 | 70-130 | 20 | 11/07/2015 0100 |
| Lead | ND | 100 | 100 | | 1 | 104 | 0.48 | 70-130 | 20 | 11/07/2015 0100 |
| Manganese | 4.7 | 100 | 100 | | 1 | 97 | 3.0 | 70-130 | 20 | 11/07/2015 0100 |
| Nickel | 1.4 | 100 | 96 | | 1 | 94 | 0.73 | 70-130 | 20 | 11/07/2015 0100 |
| Selenium | ND | 100 | 94 | | 1 | 94 | 3.2 | 70-130 | 20 | 11/07/2015 0100 |
| Silver | ND | 100 | 100 | | 1 | 100 | 0.00 | 70-130 | 20 | 11/10/2015 1740 |
| Thallium | ND | 100 | 100 | | 1 | 101 | 0.79 | 70-130 | 20 | 11/07/2015 0100 |
| Tin | ND | 100 | 100 | | 1 | 104 | 0.58 | 70-130 | 20 | 11/07/2015 0100 |
| Vanadium | 5.8 | 100 | 110 | | 1 | 101 | 0.28 | 70-130 | 20 | 11/07/2015 0100 |
| Zinc | 25 | 100 | 130 | | 1 | 105 | 1.8 | 70-130 | 20 | 11/07/2015 0100 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - MB

**Sample ID:** QQ88584-001
**Batch:** 88584
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 11/03/2015 1307

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Antimony | ND | | 1 | 1.0 | 0.17 | ug/L | 11/06/2015 2224 |
| **Arsenic** | **0.40** | **J** | **1** | **1.0** | **0.26** | **ug/L** | **11/06/2015 2224** |
| Barium | ND | | 1 | 5.0 | 0.53 | ug/L | 11/06/2015 2224 |
| Beryllium | ND | | 1 | 0.40 | 0.12 | ug/L | 11/06/2015 2224 |
| Cadmium | ND | | 1 | 0.10 | 0.044 | ug/L | 11/06/2015 2224 |
| Chromium | ND | | 1 | 5.0 | 0.63 | ug/L | 11/06/2015 2224 |
| Cobalt | ND | | 1 | 5.0 | 0.26 | ug/L | 11/06/2015 2224 |
| Copper | ND | | 1 | 1.0 | 0.15 | ug/L | 11/09/2015 2219 |
| Lead | ND | | 1 | 1.0 | 0.15 | ug/L | 11/06/2015 2224 |
| Nickel | ND | | 1 | 5.0 | 0.63 | ug/L | 11/06/2015 2224 |
| Selenium | ND | | 1 | 1.0 | 0.95 | ug/L | 11/06/2015 2224 |
| Silver | ND | | 1 | 1.0 | 0.17 | ug/L | 11/11/2015 1600 |
| Vanadium | ND | | 1 | 5.0 | 1.0 | ug/L | 11/06/2015 2224 |
| Zinc | ND | | 1 | 10 | 1.6 | ug/L | 11/06/2015 2224 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# ICP-MS - LCS

**Sample ID:** QQ88584-002
**Batch:** 88584
**Analytical Method:** 6020A

**Matrix:** Aqueous
**Prep Method:** 3005A
**Prep Date:** 11/03/2015 1307

| Parameter | Spike Amount (ug/L) | Result (ug/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Antimony | 100 | 100 | | 1 | 102 | 80-120 | 11/06/2015 2231 |
| Arsenic | 100 | 100 | | 1 | 100 | 80-120 | 11/06/2015 2231 |
| Barium | 100 | 100 | | 1 | 104 | 80-120 | 11/06/2015 2231 |
| Beryllium | 100 | 100 | | 1 | 105 | 80-120 | 11/06/2015 2231 |
| Cadmium | 100 | 100 | | 1 | 101 | 80-120 | 11/06/2015 2231 |
| Chromium | 100 | 100 | | 1 | 103 | 80-120 | 11/06/2015 2231 |
| Cobalt | 100 | 110 | | 1 | 107 | 80-120 | 11/06/2015 2231 |
| Copper | 100 | 110 | | 1 | 106 | 80-120 | 11/09/2015 2226 |
| Lead | 100 | 100 | | 1 | 101 | 80-120 | 11/06/2015 2231 |
| Nickel | 100 | 100 | | 1 | 103 | 80-120 | 11/06/2015 2231 |
| Selenium | 100 | 100 | | 1 | 101 | 80-120 | 11/06/2015 2231 |
| Silver | 100 | 110 | | 1 | 110 | 80-120 | 11/11/2015 1607 |
| Vanadium | 100 | 110 | | 1 | 106 | 80-120 | 11/06/2015 2231 |
| Zinc | 100 | 97 | | 1 | 97 | 80-120 | 11/06/2015 2231 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MB

**Sample ID:** QQ88172-001
**Batch:** 88172
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/27/2015 1930

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1 | 0.00010 | 0.000028 | mg/L | 10/28/2015 1027 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCS

**Sample ID:** QQ88172-002
**Batch:** 88172
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/27/2015 1930

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0019 | | 1 | 97 | 80-120 | 10/28/2015 1029 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MS

**Sample ID:** QJ23019-002MS
**Batch:** 88172
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/27/2015 1930

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.0016 | N | 1 | 80 | 85-115 | 10/28/2015 1034 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MSD

**Sample ID:** QJ23019-002MD
**Batch:** 88172
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/27/2015 1930

| Parameter | Sample Amount (mg/L) | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % RPD | % Rec Limit | % RPD Limit | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ND | 0.0020 | 0.0015 | N | 1 | 75 | 6.9 | 85-115 | 20 | 10/28/2015 1036 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - MB

**Sample ID:** QQ88320-001
**Batch:** 88320
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/29/2015 1850

| Parameter | Result | Q | Dil | PQL | MDL | Units | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | ND | | 1 | 0.00010 | 0.000028 | mg/L | 10/29/2015 2310 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

# CVAA - LCS

**Sample ID:** QQ88320-002
**Batch:** 88320
**Analytical Method:** 7470A

**Matrix:** Aqueous
**Prep Method:** 7470A
**Prep Date:** 10/29/2015 1850

| Parameter | Spike Amount (mg/L) | Result (mg/L) | Q | Dil | % Rec | % Rec Limit | Analysis Date |
|---|---|---|---|---|---|---|---|
| Mercury | 0.0020 | 0.0021 | | 1 | 105 | 80-120 | 10/29/2015 2312 |

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

**SHEALY** **Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

**Number** 53817

Client: Enviro-Pro, P.C.
Address: 2646 Fairlake Ln.
City: A. Mill | State: SC | Zip Code: 29708
Project Name: NMLF-Infill
Project No.: EP-1442(A)
P.O. No.:
Report to Contact: T. Bolyard
Sampler's Signature: T. Bolyard
Printed Name: T. Bolyard
Telephone No. / E-mail: 803-547-4955
Quote No.:
Page 1 of 3
QJ23019

| Sample ID / Description (Containers for each sample may be combined on one line.) | Date | Time | G=Grab C=Composite | Matrix: Aqueous | Solid | Non-Aqueous | No of Containers by Preservative Type: Unpres. | H2SO4 | HNO3 | HCl | NaOH | 5035 Kit | Zn Acetate + NaOH | App II VOCs + THF | App II Metals + Hg Ca, Mn | Ammonia (N) | Chloride | Alkalinity (Bicarb) | Carbon Dioxide | CN | TDS | Sulfide | SVOCs | Herbicides | Pest/PCBs | Remarks / Cooler I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 10/22/15 | 7:00 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Use Lower Level |
| MW-2 | | 7:30 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Detection Limits, |
| MW-3 | | 8:00 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Send EDD |
| MW-4 | | 8:30 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-4D | | 9:00 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-5 | | 9:30 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-5D | | 10:00 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-6 | | 10:30 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-7 | | 11:00 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MW-7D | | 11:30 | G | X | | | 4 | 1 | 1 | 3 | 1 | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

**Turn Around Time Required (Prior lab approval required for expedited TAT.)**
☑ Standard ☐ Rush (Specify) 7-day TAT

**Sample Disposal**
☐ Return to Client ☑ Disposal by Lab

**Possible Hazard Identification**
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

**QC Requirements (Specify)**

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished by: T. Bolyard | 10/23/15 | 1330 | 1. Received by: [signature] | 10/23/15 | 1330 |
| 2. Relinquished by: [signature] | 10/23/15 | 1513 | 2. Received by: | | |
| 3. Relinquished by: | | | 3. Received by: | | |
| 4. Relinquished by: | | | 4. Laboratory received by: [signature] | 10/23/15 | 1513 |

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack
Receipt Temp. 4.0 °C 4.2 4.6 4.5 5.3 4.9 5.2

**DISTRIBUTION:** WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY **Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

**Number** 53819

| | | | |
|---|---|---|---|
| Client: Enviro-Pro, P.C. | Report to Contact: T. Bolyard | Telephone No. / E-mail: 803-547-4955 | Quote No. |
| Address: 2646 Farmlake Ln. | Sampler's Signature: x T. Bolyard | Analysis (Attach list if more space is needed) | Page 3 of 3 |
| City: Ft. Mill; State: SC; Zip Code: 29708 | Printed Name: T. Bolyard | | QJ23019 |
| Project Name: NMLF-Infill | | | |
| Project No.: EP-1442(A); P.O. No. | | | |

| Sample ID / Description (Containers for each sample may be combined on one line.) | Date | Time | G=Grab C=Composite | Matrix: Aqueous | Solid | Non-Aqueous | | No of Containers by Preservative Type: Unpres. | H2SO4 | HNO3 | HCl | NaOH | 5035 Kit | | App I VOCs + THF | App I Metals + Hg | App II VOCs + THF | App II Metals + Hg, Cu, Mn | | | | | | Remarks / Cooler I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-Eff | 10/22/15 | 15:30 | G | X | | | | | | 1 | 3 | | | | ✓ | ✓ | | | | | | | | Use Lower Level Detection Limits; Send EDD |
| Trip Blank | | | | X | | | | | | 1 | 2 | | | | | | ✓ | ✓ | | | | | | |

**Turn Around Time Required (Prior lab approval required for expedited TAT.)** ☑ Standard ☐ Rush (Specify) 7-day TAT

**Sample Disposal** ☐ Return to Client ☑ Disposal by Lab

**Possible Hazard Identification** ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

**QC Requirements (Specify)**

| | | | | | |
|---|---|---|---|---|---|
| 1. Relinquished by: T. Bolyard | Date: 10/23/15 | Time: 1330 | 1. Received by: [signature] | Date: 10/23/15 | Time: 1330 |
| 2. Relinquished by: [signature] | Date: 10/23/15 | Time: 1513 | 2. Received by | Date | Time |
| 3. Relinquished by | Date | Time | 3. Received by | Date | Time |
| 4. Relinquished by | Date | Time | 4. Laboratory received by: [signature] | Date: 10/23/15 | Time: 1513 |

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack

Receipt Temp. 4.0 °C 4.2 4.6 4.5 5.3 4.9 5.2

**DISTRIBUTION:** WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

# APPENDIX B

# WELL DEVELOPMENT, PURGE, AND SAMPLE RECORD

CLIENT: Greenway Waste Solutions @ NMLF
LOCATION: 15300 Helbrooks Rd., Huntersville, NC
PROJECT NAME/DESCRIPTION: NMLF - Infill
DATE OF WATER LEVEL MEASUREMENTS: 10-22-15

DEVELOP:
PURGING: ✓
SAMPLING: ✓

PROJECT NO.: EP-1442(A)
PROJ. MGR.: THB
CHECKED BY:
PREPARED BY: THB

| Sample ID | A<br>Well No. | B<br>Sample Date | C<br>Time (hrs) | D<br>Well Depth (ft) | E<br>MP Elevation (ft) | F<br>Depth to Water (ft-bmp) | (E - F) = G<br>Water Level Elevation (ft) | (D - F) = H<br>Hgt. of Water Col. (ft) | I<br>Volume of Water (gal)* | Vol. of Water Pgd. (gal)** | Temp. (°C) | Specific Cond. (umhos) | pH | Turbidity or Appearance |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-1 | 10-22-15 | 7:00 | 60 | | 54.81 | | 5.19 | 0.8 | 2.5 | | | | |
| | MW-2 | " | 7:30 | 25 | | 12.23 | | 12.77 | 2 | 6 | | | | |
| | MW-3 | | 8:00 | 22 | | 7.61 | | 14.39 | 2.3 | 7 | | | | |
| | MW-4 | " | 8:30 | 12 | | 9.86 | | 2.14 | 0.3 | 1 | | | | |
| | MW-4D | " | 9:00 | 52 | | 15.15 | | 36.85 | 6 | 18 | | | | |
| | MW-5 | " | 9:30 | 17 | | 8.31 | | 8.69 | 1.4 | 4.5 | | | | |
| | MW-5D | " | 10:00 | 58 | | 13.50 | | 44.5 | 7 | 21 | | | | |
| | MW-6 | " | 10:30 | 17 | | 13.03 | | 3.97 | 0.6 | 2 | | | | |
| | MW-7 | " | 11:00 | 23 | 14.21 | ~~26.08~~ | | 8.79 | 1.4 | 4.5 | | | | |
| | MW-7D | " | 11:30 | 64 | | 26.08 | | 37.92 | 6 | 18 | | | | |
| | MW-8 | " | 12:00 | 33 | | 22.15 | | 10.85 | 1.8 | 5.5 | | | | |
| | MW-8D | " | 12:30 | 100 | | 33.58 | | 66.42 | 10.7 | 32 | | | | |
| | MW-9 | " | 13:00 | 30 | | 23.88 | | 6.12 | 1 | 3 | | | | |
| | MW-9D | " | 13:30 | 80 | | 24.30 | | 55.70 | 8.2 | 24.6 | | | | |
| | MW-10 | " | 14:00 | 60 | | 52.01 | | 7.99 | 1.3 | 4 | | | | |
| | SW-1 | " | 14:15 | — | | — | | — | — | — | | | | |
| | SW-2 | " | 14:30 | — | | — | | — | — | — | | | | |
| | SW-3 | " | 14:45 | — | | — | | — | — | — | | | | |
| | SW-4 | " | 15:00 | — | | — | | — | — | — | | | | |
| | SW-Int. | " | 15:15 | — | | — | | — | — | — | | | | |
| | SW-Eff. | " | 15:30 | — | | — | | — | — | — | | | | |

Comments:

*To calculate volume of water in the well multiply "H" by 0.163 for a 2" well, 0.652 for a 4" well, or 1.469 for a 6" well.

**To calculate purge volume, multiply "I" by the desired number of well volumes (e.g., 3 to 5)

(e.g., after each well volume).