UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

SR-6J

March 31, 2011

REPLY TO THE ATTENTION OF:

Mr. Donald M. Samson
Trustee, Estate of Chemetco
226 W. Main Street, Suite 102
Belleville, Illinois 62220

Re: Water and soil sampling at Chemetco Superfund Site

Dear Mr. Samson:

As you know, the United States Environmental Protection Agency (EPA) took soil and water samples from the Chemetco site on January 12, 2011. For each of six soil sample locations, soil down to three inches from five spots was combined. These composite soil samples were analyzed for total metals. A deep-well water sample was taken from the tap in the administration building and analyzed for total metals and organic compounds. EPA collected three other groundwater samples and three surface water samples. All groundwater samples were analyzed for total metals and organic compounds; surface water samples were analyzed for total metals. Enclosed are your results. Figure 1 shows sample locations at the site. (When reviewing Figure 1, please note that CW-1 and GW-1 were not collected because of complications in the field.) Table 1 summarizes the results. Table 2 compares EPA's results for storm water Outfall 005 with the Estate's previous results.

For soil, at least half of the samples did not exceeded preliminary screening levels (draft cleanup goals) recommended by EPA for most metals. A table of these screening levels is enclosed for your information. Arsenic was measured at levels above the preliminary screening levels in all six soil samples. Arsenic was measured around the site at 5 to 36.5 milligrams per kilogram (mg/kg). Based on information from the Unites States Geologic Survey[1], normal background levels of arsenic in the Hartford area are expected to be 6-9 mg/kg. The background (reference) soil sample collected for this project had 5.6 mg/kg of arsenic. Globally, background arsenic in soil can range from 1-40 mg/kg[2]. The EPA's removal action level for arsenic is 180 mg/kg.

For another metal, lead, one of the soil samples taken from the farm fields exceeded the residential-use screening level but not the industrial-use screening level. Three of the other soil

[1] Smith, D.B. and Goldhaber, M.B. (March 2003). Geochemical Landscapes of the United States. *USGS Mineral News, 2*(1). Retrieved from http://minerals.usgs.gov/news/newsletter/v2n1/2geochem.html
[2] Gomez-Caminero, A. et al. (2001). Environmental Health Criteria 224 Arsenic and Arsenic Compounds. *United Nations Environment Programme, the International Labour Organization, and the World Health Organization.* Retrieved from http://www.inchem.org/documents/ehc/ehc/ehc224.htm

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (50% Postconsumer)

samples exceeded the preliminary industrial screening levels by a factor of twofold to tenfold. The EPA's removal action level for lead is 800 mg/kg.

Regarding the three surface water samples, the storm water basin and Outfall 005 had levels of antimony, arsenic, and lead that exceeded the National Primary Drinking Water Standards (NPDWS). I have enclosed a table of these standards for your information. These are preliminary screening levels. For groundwater samples, the water from the facility tap showed no organic contaminates and all inorganic elements were below NPDWS. The other three groundwater samples all exceeded the NPDWS for arsenic and lead. Other exceedances in the groundwater samples are summarized in Table 1.

At this time, due to existing controls on exposure in place and practiced at the site there is no cause for immediate concern. But, we will collect and evaluate more sample data during the remedial investigation. This will include a complete risk assessment for human health and ecological risks. Also, all response actions authorized by the Superfund Law are being considered to address contamination at the Chemetco site.

Again, the purpose of this sampling was to check for immediate threats in the areas closest to the Chemetco Superfund site, update data collected by Illinois Environmental Protection Agency, begin scoping the larger remedial investigation planned for the site, and to aid our search for potentially responsible parties for the site.

Thank you for accommodating this work. If you have any questions regarding the work or the results, please contact me at (312) 886-8961 or kerr.michelle@epa.gov.

Sincerely,

Michelle Kerr

Michelle Kerr
Remedial Project Manager
Superfund Division

cc via email: Jorge Garcia, Estate of Chemetco
Erin Rednour, IEPA
Chris Cahnovsky, IEPA
Elliott Stegin, Paradigm Minerals

Enclosures: Figure 1
Tables 1-2
Screening Levels
Sample Results

Figure 1. Facility Sample Locations.

**Table 1. Result Summary for Estate of Chemetco**

| Sample Description | ID | Result Summary<br>*Inorganic Elements* | *Organic Chemicals* |
|---|---|---|---|
| storm water basin | CW-3 | Sb, As, Pb exceed NPDWS inorganic | Not tested |
| storm water outfall | CW-4 | Sb, As, Cd, Pb exceed NPDWS inorganic, oil & grease exceed IL WQS | Not tested |
| Long Lake south of site | CW-5 | below NPDWS inorganic | Not tested |
| groundwater non-potable, facility tap | CW-2 | below NPDWS inorganic | ND organic |
| groundwater up-gradient | GW-1 | As, Pb exceed NPDWS inorganic | ND organic |
| groundwater central site | GW-2 | As, Pb, Se exceed NPDWS inorganic | ND organic |
| groundwater central site--field duplicate | GW-2-FD | As, Pb, Se exceed NPDWS inorganic | ND organic |
| groundwater central site | GW-3 | As, Be, Cd, Cr, Cu, Pb, Se exceed NPDWS inorganic | TCE = MCL organic |
| soil north of site | CS-5 | As exceeds RSL (industrial) | Not tested |
| soil east of site | CS-6 | As, Pb exceed RSL (Pb residential only) | Not tested |
| soil east of site--field duplicate | CS-6-FD | As, Pb, exceed RSL (Pb residential only) | Not tested |
| soil south of site | CS-7 | As, Pb exceed RSL (industrial) | Not tested |
| soil southeast of site | CS-8 | As, Pb exceed RSL (industrial) | Not tested |
| soil center of site | CS-9 | As, Pb exceed RSL (industrial) | Not tested |
| soil background | CS-10 | As, V exceeds RSL (residential) | Not tested |

IL WQS = Illinois Water Quality Standards
ND = Not Detected
NPDWS = National Primary Drinking Water Standards
MCL = Maximum Contaminant Limit
RSL = Regional Screening Levels
TCE = Trichloroethylene

**Table 2. NPDES Outfall 005 Result Analysis for Estate of Chemetco**

| Parameter | Estate of Chemetco January 2010 (mg/L) | Estate of Chemetco January 2011 (mg/L) | Estate of Chemetco 2010 Average (mg/L) | US EPA CW-4 on 1/12/11 (mg/L) | 35 IAC 304 Effluent Water Quality Stds (mg/L) |
|---|---|---|---|---|---|
| BOD, 5-Day[1] | <5 | <5 | 5.25 | 4.7 | **30** |
| Oxygen Demand, Chemical | <50 | <50 | 66.42 | 41 | **50** |
| Dissolved Oxygen | -- | -- | -- | 7.92 | -- |
| pH | 8.91 | 2.61 | 8.23 | 8.4 | **40703.0** |
| Solids, Total Suspended | 6 | <6 | 21.33 | 20 | **15** |
| Antimony | -- | | -- | 0.0103 | -- |
| Arsenic, Total | <0.0250 | *<0.0250* | 0.0276 | 0.0147 | **0.25** |
| Barium, Total | 0.0766 | 0.0702 | 0.1379 | 0.0996 | **2.00** |
| Beryllium | -- | -- | -- | 0.00024 | -- |
| Cadmium, Total | 0.0035 | 0.0027 | 0.0036 | 0.0054 | **0.15** |
| Chromium, Total | <0.0100 | <0.0100 | 0.0100 | ND | **1.00** |
| Cobalt | -- | -- | -- | 0.00082 | -- |
| Copper, Total | 0.0412 | 0.0207 | 0.0449 | 0.0572 | **0.50** |
| Cyanide | -- | -- | -- | 0.01 | **0.10** |
| Iron, Total | 0.1430 | 0.0578 | 0.1860 | -- | **2.00** |
| Lead, Total | <0.0400 | <0.0400 | 0.0473 | 0.105 | **0.20** |
| Manganese, Total | 0.0523 | 0.0516 | 0.0674 | 0.184 | **1.00** |
| Mercury | -- | -- | -- | 0.0002 | **0.0005** |
| Nickel, Total | 0.0885 | 0.0187 | 0.0425 | 0.0348 | **1.00** |
| Selenium, Total | <0.0500 | <0.0500 | 0.0500 | 0.0164 | **None** |
| Silver, Total | <0.0100 | <0.0100 | 0.0100 | ND | **0.10** |
| Thallium | -- | -- | -- | ND | -- |
| Vanadium | -- | -- | -- | 0.0026 | -- |
| Zinc, Total | 0.1350 | 0.0839 | 0.1256 | 0.386 | **1.00** |
| Oil and Grease | <5 | <5 | 5.67 | 127 | **15** |
| Nitrogen, Ammonia, Total | <0.10 | 0.140 | 0.13 | 0.456 | **None** |
| Avg Flow (MGD) | 0.002075 | 0.001440 | 0.005167 | -- | -- |
| Avg flow (GPM) | 1.4 | 1.00 | 3.59 | 1.2 | -- |

GPM = Gallons per minute MGD = million gallons per day
ND = Not Detected

[1]EPA used EPA 405.1 method vs. the Standard Methods 18th ed. 5210B method Teklab, Inc. uses for the Estate

Preliminary Screening Levels--Soil Inorganic

| Chemical | Screening Level (mg/kg) | |
|---|---|---|
| Aluminum | 988000 | |
| Antimony (metallic) | 409 | |
| Arsenic, Inorganic | 1.59 | |
| Barium | 191000 | |
| Beryllium and compounds | 2010 | |
| Cadmium (Diet) | 798 | |
| Calcium | -- | |
| Chromium(III), Insoluble Salts | 1530000 | |
| Cobalt | 304 | |
| Copper | 40900 | |
| Cyanide (CN-) | 20400 | |
| Iron | 715000 | |
| Lead and Compounds | 800 | Residential = 400 mg/kg |
| Magnesium | -- | |
| Mercury (elemental) | 33.8 | |
| Nickel Soluble Salts | 19700 | |
| Potassium | -- | |
| Selenium | 5110 | |
| Silver | 5110 | |
| Sodium | -- | |
| Thallium (Soluble Salts) | -- | |
| Vanadium, Metallic | 71.5 | |
| Zinc (Metallic) | 307000 | |

US EPA Regional Screening Levels, November 2010, for Industrial scenario
Available: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm

Preliminary Screening Levels--Water Organic, continued

| Chemical | MCL/TT_V | UNITS |
|---|---|---|
| m,p-Xylene | 10000 | ug/L |
| Methyl acetate | -- | ug/L |
| Methyl tert-butyl ether | -- | ug/L |
| Methylcyclohexane | -- | ug/L |
| Methylene chloride | 5 | ug/L |
| o-Xylene | 10000 | ug/L |
| Styrene | 100 | ug/L |
| Tetrachloroethene | 5 | ug/L |
| Toluene | 1000 | ug/L |
| trans-1,2-Dichloroethene | 100 | ug/L |
| trans-1,3-Dichloropropene | -- | ug/L |
| Trichloroethene | 5 | ug/L |
| Trichlorofluoromethane | -- | ug/L |
| Vinyl chloride | 2 | ug/L |

US EPA National Primary Drinking Water Standards, Maximum Contaminant Limits (or Treatment Techniques), May 2009

Preliminary Screening Levels--Water Organic

| Chemical | MCL/TT_V | UNITS |
|---|---|---|
| 1,1,1-Trichloroethane | 200 | ug/L |
| 1,1,2,2-Tetrachloroethane | -- | ug/L |
| 1,1,2-Trichloro-1,2,2-trifluoroe | -- | ug/L |
| 1,1,2-Trichloroethane | 5 | ug/L |
| 1,1-Dichloroethane | 5 | ug/L |
| 1,1-Dichloroethene | 7 | ug/L |
| 1,2,3-Trichlorobenzene | -- | ug/L |
| 1,2,4-Trichlorobenzene | 70 | ug/L |
| 1,2-Dibromo-3-chloropropane | 0.2 | ug/L |
| 1,2-Dibromoethane | -- | ug/L |
| 1,2-Dichlorobenzene | 600 | ug/L |
| 1,2-Dichloroethane | 5 | ug/L |
| 1,2-Dichloropropane | 5 | ug/L |
| 1,3-Dichlorobenzene | -- | ug/L |
| 1,4-Dichlorobenzene | 75 | ug/L |
| 1,4-Dioxane | -- | ug/L |
| 2-Butanone | -- | ug/L |
| 2-Hexanone | -- | ug/L |
| 4-Methyl-2-Pentanone | -- | ug/L |
| Acetone | -- | ug/L |
| Benzene | 5 | ug/L |
| Bromochloromethane | -- | ug/L |
| Bromodichloromethane | -- | ug/L |
| Bromoform | -- | ug/L |
| Bromomethane | -- | ug/L |
| Carbon disulfide | -- | ug/L |
| Carbon tetrachloride | 5 | ug/L |
| Chlorobenzene | 100 | ug/L |
| Chloroethane | -- | ug/L |
| Chloroform | -- | ug/L |
| Chloromethane | -- | ug/L |
| cis-1,2-Dichloroethene | 70 | ug/L |
| cis-1,3-Dichloropropene | -- | ug/L |
| Cyclohexane | -- | ug/L |
| Dibromochloromethane | -- | ug/L |
| Dichlorodifluoromethane | -- | ug/L |
| Ethylbenzene | 700 | ug/L |
| Isopropylbenzene | -- | ug/L |

Preliminary Screening Levels--Water Inorganic

| Chemical | MCL/TT_VALUE | UNITS |
|---|---|---|
| Antimony | 6 | ug/L |
| Arsenic | 10 | ug/L |
| Barium | 2000 | ug/L |
| Beryllium | 4 | ug/L |
| Cadmium | 5 | ug/L |
| Chromium | 100 | ug/L |
| Cobalt | -- | ug/L |
| Copper | 1300 | ug/L |
| Cyanide | 200 | ug/L |
| Lead | 15 | ug/L |
| Manganese | -- | ug/L |
| Mercury | 2 | ug/L |
| Nickel | -- | ug/L |
| Selenium | 50 | ug/L |
| Silver | -- | ug/L |
| Thallium | 2 | ug/L |
| Vanadium | -- | ug/L |
| Zinc | -- | ug/L |

US EPA National Primary Drinking Water Standards, Maximum Contaminant Limits (or Treatment Techniques), May 2009

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Jan-27-11 11:02 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CW-4 | 1101011-01 | Water | Jan-12-11 15:37 | Jan-14-11 08:30 |

## Oil and Grease by Gravimetric Analyses, EPA 1664 (modified)
## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Oil & Grease** | **127** | | 0.900 | 1.80 | mg/L | 1 | ~~B101027~~ | ~~Jan-19-11~~ | ~~Jan-19-11~~ |

Danita Larry, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5<br>77 West Jackson Boulevard<br>Chicago IL, 60604 | Project: Chemetco Superfund Site<br>Project Number: [none]<br>Project Manager: Betty Lavis | **Reported:**<br>Jan-27-11 11:02 |

## Notes and Definitions

| | |
|---|---|
| U | Not Detected |
| NR | Not Reported |

Danita Larry, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Jan-24-11 12:57 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CW-4 | 1101011-01 | Water | Jan-12-11 15:37 | Jan-14-11 08:30 |

## Total Suspended Solids, SM 2540 D (modified)
## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Total Suspended Solids** | **20** | | | 5 | mg/L | 1 | B101021 | Jan-14-11 | Jan-19-11 |

LW 1/24/11
Laurence Wong, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Jan-24-11 12:57 |

## Notes and Definitions

| | |
|---|---|
| U | Not Detected |
| NR | Not Reported |

LW 1/24/11
Laurence Wong, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-10-11 14:49 |

## Ammonia Nitrogen, Colorimetric, EPA 350.1 (modified)
## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Ammonia as N** | **0.456** | | 0.05 | 0.100 | mg/L | 1 | B102004 | Feb-04-11 | Feb-04-11 |

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-10-11 14:49 |

## Total Kjeldahl Nitrogen, EPA 351.2 (modified)
## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Total Kjeldahl Nitrogen** | **1.23** | | 0.30 | 0.50 | mg/L | 1 | B102005 | Feb-07-11 | Feb-07-11 |

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-10-11 14:49 |

## Notes and Definitions

| | |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| * | This Quality Control measure meets the requirements of the CRL SOP for this analyte. |
| U | Not Detected |
| NR | Not Reported |

Nidia Fuentes, Analyst

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-10-11 09:05 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CW-4 | 1101011-01 | Water | Jan-12-11 15:37 | Jan-14-11 08:30 |

## BOD, 5 day, EPA 405.1 (modified)
## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Biochemical Oxygen Demand** | 4.7 | J | 2.0 | 2.0 | mg/L | 1 | B101020 | Jan-14-11 | Jan-14-11 |

FAA 2/10/2011
Francis Awanya, Group Leader

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-11-11 12:53 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| CW-4 | 1101011-01 | Water | Jan-12-11 15:37 | Jan-14-11 08:30 |

## COD by EPA 410.4 (modified)

## US EPA Region 5 Chicago Regional Laboratory

**CW-4 (1101011-01) Water Sampled: Jan-12-11 15:37 Received: Jan-14-11 08:30**

| Analyte | Result | Flags / Qualifiers | MDL | Limit | Units | Dilution | Batch | Prepared | Analyzed |
|---|---|---|---|---|---|---|---|---|---|
| **Chemical Oxygen Demand** | 41 | | 4 | 25 | mg/L | 1 | B102003 | Feb-07-11 | Feb-08-11 |

AA 2-11-11

Anna Aleszczyk, Chemist

Environmental Protection Agency Region 5
# Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

| | | |
|---|---|---|
| Superfund, US EPA Region 5 | Project: Chemetco Superfund Site | |
| 77 West Jackson Boulevard | Project Number: [none] | **Reported:** |
| Chicago IL, 60604 | Project Manager: Betty Lavis | Feb-11-11 12:53 |

## Notes and Definitions

| | |
|---|---|
| U | Not Detected |
| NR | Not Reported |

AA 2-11-11

Anna Aleszczyk, Chemist

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5308 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-5 | pH: | | Sample Date: | 01122011 | Sample Time: | 08:40:00 |
| % Moisture : | | | | % Solids : | 81.3 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.72 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| ample Number: | ME5308 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| ample Location: | CS-5 | pH: | | Sample Date: | 01122011 | Sample Time: | 08:40:00 |
| ; Moisture : | | | | % Solids : | 81.3 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.011 | mg/kg | 1.0 | J | J- | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5308 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-5 | pH: | Sample Date: 01122011 | Sample Time: 08:40:00 |
| % Moisture : | | % Solids : 81.3 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 7930 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 5.9 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Arsenic | 5.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 167 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 0.93 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 2.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 2950 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 12.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 7.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 207 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Iron | 12700 | mg/kg | 1.0 | | | Yes | S2BVE |
| Lead | 169 | mg/kg | 10.0 | D E | J | Yes | S2BVE |
| Magnesium | 2220 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 535 | mg/kg | 20.0 | D | J | Yes | S2BVE |
| Nickel | 21.4 | mg/kg | 1.0 | | | Yes | S2BVE |
| Potassium | 1710 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 3.4 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Silver | 0.98 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Sodium | 46.9 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Thallium | 2.4 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 19.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 741 | mg/kg | 10.0 | D | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| mple Number: | ME5309 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| mple Location: | CS-6 | pH: | | Sample Date: | 01122011 | Sample Time: | 08:35:00 |
| Moisture : | | | | % Solids : | 63.2 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.78 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5309 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-6 | pH: | Sample Date: 01122011 | Sample Time: 08:35:00 |
| % Moisture : | | % Solids : 63.2 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 8730 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 7.7 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Arsenic | 6.6 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 258 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 3.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 3.7 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 2870 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 17.3 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 11.4 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 419 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Iron | 18800 | mg/kg | 1.0 | | | Yes | S2BVE |
| Lead | 451 | mg/kg | 20.0 | D E | J | Yes | S2BVE |
| Magnesium | 2450 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 737 | mg/kg | 20.0 | D | J | Yes | S2BVE |
| Nickel | 39.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Potassium | 2190 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 4.5 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Silver | 1.3 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Sodium | 235 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Thallium | 3.2 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 21.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 2670 | mg/kg | 20.0 | D | J | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5309 | Method: Hg | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-6 | pH: | Sample Date: 01122011 | Sample Time: 08:35:00 |
| % Moisture : | | % Solids : 63.2 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.034 | mg/kg | 1.0 | J | J- | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5310 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-7 | pH: | Sample Date: 01122011 | Sample Time: 09:15:00 |
| % Moisture : | | % Solids : 76.9 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 8250 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 14.5 | mg/kg | 1.0 | N | J | Yes | S2BVE |
| Arsenic | 23.8 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 292 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 11.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 12.9 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 7630 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 27.4 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 26.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 4880 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Iron | 34300 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Lead | 2770 | mg/kg | 100.0 | D E | J | Yes | S2BVE |
| Magnesium | 2990 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 824 | mg/kg | 100.0 | D | J | Yes | S2BVE |
| Nickel | 648 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Potassium | 1380 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 0.57 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Silver | 7.0 | mg/kg | 1.0 | N | J | Yes | S2BVE |
| Sodium | 1430 | mg/kg | 1.0 | | | Yes | S2BVE |
| Thallium | 2.6 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 19.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 8420 | mg/kg | 100.0 | D | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ıse No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| ample Number: | ME5310 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| ample Location: | CS-7 | pH: | | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | 76.9 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.78 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5310 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-7 | pH: | | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | 76.9 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.096 | mg/kg | 1.0 | J | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| ample Number: | ME5311 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| ample Location: | CS-8 | pH: | | Sample Date: | 01122011 | Sample Time: | 09:20:00 |
| ; Moisture : | | | | % Solids : | 38.6 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.11 | mg/kg | 1.0 | J | J- | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5311 | Method: | ICP_AES | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-8 | pH: | | Sample Date: | 01122011 | Sample Time: | 09:20:00 |
| % Moisture : | | | | % Solids : | 38.6 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 6540 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 3.4 | mg/kg | 1.0 | J N | J | Yes | S2BVE |
| Arsenic | 11.6 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 311 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 2.2 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 31.2 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 7330 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 14.9 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 10.7 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 2540 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Iron | 14000 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Lead | 1570 | mg/kg | 100.0 | D E | J | Yes | S2BVE |
| Magnesium | 2400 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 1010 | mg/kg | 100.0 | D | J | Yes | S2BVE |
| Nickel | 1170 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Potassium | 1520 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 7.2 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Silver | 1.9 | mg/kg | 1.0 | J N | J | Yes | S2BVE |
| Sodium | 124 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Thallium | 5.1 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 18.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 3040 | mg/kg | 100.0 | D | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| e No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| mple Number: | ME5311 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| mple Location: | CS-8 | pH: | | Sample Date: | 01122011 | Sample Time: | 09:20:00 |
| Moisture : | | | | % Solids : | 38.6 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 1.7 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5312 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-9 | pH: | Sample Date: 01122011 | Sample Time: 12:35:00 |
| % Moisture : | | % Solids : 64.7 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 8650 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 30.0 | mg/kg | 1.0 | N | J | Yes | S2BVE |
| Arsenic | 36.5 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 710 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 10.4 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 133 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Calcium | 9810 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 42.3 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Cobalt | 29.2 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 7720 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Iron | 45200 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Lead | 8500 | mg/kg | 1000.0 | D E | J | Yes | S2BVE |
| Magnesium | 3110 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 987 | mg/kg | 100.0 | D | J | Yes | S2BVE |
| Nickel | 644 | mg/kg | 100.0 | D | | Yes | S2BVE |
| Potassium | 1450 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 1.6 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Silver | 11.6 | mg/kg | 1.0 | N | J | Yes | S2BVE |
| Sodium | 960 | mg/kg | 1.0 | | | Yes | S2BVE |
| Thallium | 3.1 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 21.2 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 21700 | mg/kg | 100.0 | D | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5312 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-9 | pH: | | Sample Date: | 01122011 | Sample Time: | 12:35:00 |
| % Moisture : | | | | % Solids : | 64.7 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.90 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5313 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-10 | pH: | Sample Date: 01122011 | Sample Time: 11:50:00 |
| % Moisture : | | % Solids : 75.9 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 8930 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 6.4 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Arsenic | 5.6 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 128 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 0.50 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Cadmium | 0.72 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 3790 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 12.3 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 7.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 28.1 | mg/kg | 1.0 | | | Yes | S2BVE |
| Iron | 14300 | mg/kg | 1.0 | | | Yes | S2BVE |
| Lead | 27.4 | mg/kg | 1.0 | E | J | Yes | S2BVE |
| Magnesium | 2910 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 509 | mg/kg | 100.0 | D | J | Yes | S2BVE |
| Nickel | 16.4 | mg/kg | 1.0 | | | Yes | S2BVE |
| Potassium | 1810 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 3.7 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Silver | 1.1 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Sodium | 61.1 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Thallium | 2.7 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 21.0 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 89.1 | mg/kg | 1.0 | | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5312 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-9 | pH: | | Sample Date: | 01122011 | Sample Time: | 12:35:00 |
| % Moisture : | | | | % Solids : | 64.7 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.72 | mg/kg | 1.0 | | | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5313 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-10 | pH: | | Sample Date: | 01122011 | Sample Time: | 11:50:00 |
| % Moisture : | | | | % Solids : | 75.9 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.021 | mg/kg | 1.0 | J | J- | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5313 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-10 | pH: | | Sample Date: | 01122011 | Sample Time: | 11:50:00 |
| % Moisture : | | | | % Solids : | 75.9 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.67 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z5 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5318 | Method: ICP_AES | Matrix: Soil | MA Number: DEFAULT |
| Sample Location: CS-6-FD | pH: | Sample Date: 01122011 | Sample Time: 08:35:00 |
| % Moisture : | | % Solids : 63.8 | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Aluminum | 9200 | mg/kg | 1.0 | | | Yes | S2BVE |
| Antimony | 7.6 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Arsenic | 7.2 | mg/kg | 1.0 | | | Yes | S2BVE |
| Barium | 253 | mg/kg | 1.0 | | | Yes | S2BVE |
| Beryllium | 3.3 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cadmium | 4.1 | mg/kg | 1.0 | | | Yes | S2BVE |
| Calcium | 2850 | mg/kg | 1.0 | | | Yes | S2BVE |
| Chromium | 19.1 | mg/kg | 1.0 | | | Yes | S2BVE |
| Cobalt | 10.3 | mg/kg | 1.0 | | | Yes | S2BVE |
| Copper | 508 | mg/kg | 10.0 | D | | Yes | S2BVE |
| Iron | 20200 | mg/kg | 1.0 | | | Yes | S2BVE |
| Lead | 534 | mg/kg | 100.0 | D E | J | Yes | S2BVE |
| Magnesium | 2510 | mg/kg | 1.0 | | | Yes | S2BVE |
| Manganese | 624 | mg/kg | 100.0 | D | J | Yes | S2BVE |
| Nickel | 41.9 | mg/kg | 1.0 | | | Yes | S2BVE |
| Potassium | 2400 | mg/kg | 1.0 | | | Yes | S2BVE |
| Selenium | 4.4 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Silver | 1.3 | mg/kg | 1.0 | U N | UJ | Yes | S2BVE |
| Sodium | 213 | mg/kg | 1.0 | J | J | Yes | S2BVE |
| Thallium | 3.2 | mg/kg | 1.0 | U | U | Yes | S2BVE |
| Vanadium | 22.6 | mg/kg | 1.0 | | | Yes | S2BVE |
| Zinc | 3150 | mg/kg | 100.0 | D | J | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| ample Number: | ME5318 | Method: | Hg | Matrix: | Soil | MA Number: | DEFAULT |
| ample Location: | CS-6-FD | pH: | | Sample Date: | 01122011 | Sample Time: | 08:35:00 |
| % Moisture : | | | | % Solids : | 63.8 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.033 | mg/kg | 1.0 | J | J- | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z5 | Lab Code: | STLV |
| Sample Number: | ME5318 | Method: | CN | Matrix: | Soil | MA Number: | DEFAULT |
| Sample Location: | CS-6-FD | pH: | | Sample Date: | 01122011 | Sample Time: | 08:35:00 |
| % Moisture : | | | | % Solids : | 63.8 | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 0.93 | mg/kg | 1.0 | | J+ | Yes | S2BVE |

**EXES ISM01.2 Data Qualifier Sheet**

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. |
| J+ | The result is an estimated quantity, but the result may be biased high. |
| J- | The result is an estimated quantity, but the result may be biased low. |
| R | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample. |
| UJ | The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. |

Reviewed by: Paul Little
Date: February 3, 2011

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5302 | Method: | ICP_MS | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:07:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Arsenic | 5.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Barium | 11.8 | ug/L | 1.0 | | | Yes | S2BVE |
| Beryllium | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Cadmium | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Chromium | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Cobalt | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Copper | 1.4 | ug/L | 1.0 | J | J | Yes | S2BVE |
| Lead | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Manganese | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Nickel | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Selenium | 17.8 | ug/L | 1.0 | | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 5.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Zinc | 3.1 | ug/L | 1.0 | | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5302 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:07:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ase No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5302 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:07:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.20 | ug/L | 1.0 | J | U | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5303 | Method: ICP_MS | Matrix: Water | MA Number: DEFAULT |
| Sample Location: CW-3 | pH: 12.0 | Sample Date: 01122011 | Sample Time: 09:50:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 17.6 | ug/L | 10.0 | D | | Yes | S2BVE |
| Arsenic | 23.4 | ug/L | 5.0 | D | | Yes | S2BVE |
| Barium | 98.9 | ug/L | 1.0 | | | Yes | S2BVE |
| Beryllium | 0.26 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Cadmium | 3.5 | ug/L | 1.0 | | | Yes | S2BVE |
| Chromium | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Cobalt | 0.53 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Copper | 62.5 | ug/L | 1.0 | | | Yes | S2BVE |
| Lead | 96.4 | ug/L | 10.0 | D | | Yes | S2BVE |
| Manganese | 33.6 | ug/L | 1.0 | | | Yes | S2BVE |
| Nickel | 21.1 | ug/L | 1.0 | | | Yes | S2BVE |
| Selenium | 35.4 | ug/L | 1.0 | | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.6 | ug/L | 1.0 | | | Yes | S2BVE |
| Vanadium | 5.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Zinc | 225 | ug/L | 5.0 | D | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5303 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-3 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 09:50:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.20 | ug/L | 1.0 | J | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ase No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5303 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-3 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 09:50:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5304 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-4 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 10:11:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.20 | ug/L | 1.0 | U | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ase No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5304 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-4 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 10:11:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5304 | Method: ICP_MS | Matrix: Water | MA Number: DEFAULT |
| Sample Location: CW-4 | pH: 12.0 | Sample Date: 01122011 | Sample Time: 10:11:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 10.3 | ug/L | 1.0 | | | Yes | S2BVE |
| Arsenic | 14.7 | ug/L | 10.0 | D | J- | Yes | S2BVE |
| Barium | 99.6 | ug/L | 1.0 | | | Yes | S2BVE |
| Beryllium | 0.24 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Cadmium | 5.4 | ug/L | 1.0 | | | Yes | S2BVE |
| Chromium | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Cobalt | 0.82 | ug/L | 1.0 | J | J | Yes | S2BVE |
| Copper | 57.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Lead | 105 | ug/L | 10.0 | D | | Yes | S2BVE |
| Manganese | 184 | ug/L | 100.0 | D | J+ | Yes | S2BVE |
| Nickel | 34.8 | ug/L | 1.0 | | | Yes | S2BVE |
| Selenium | 16.4 | ug/L | 1.0 | | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 2.6 | ug/L | 1.0 | J | J | Yes | S2BVE |
| Zinc | 386 | ug/L | 10.0 | D | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ıse No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| ample Number: | ME5305 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| ample Location: | CW-5 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 10:35:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5305 | Method: ICP_MS | Matrix: Water | MA Number: DEFAULT |
| Sample Location: CW-5 | pH: 12.0 | Sample Date: 01122011 | Sample Time: 10:35:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Arsenic | 4.3 | ug/L | 1.0 | | | Yes | S2BVE |
| Barium | 70.0 | ug/L | 1.0 | | | Yes | S2BVE |
| Beryllium | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Cadmium | 0.64 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Chromium | 2.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Cobalt | 0.21 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Copper | 8.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Lead | 6.0 | ug/L | 1.0 | | | Yes | S2BVE |
| Manganese | 688 | ug/L | 100.0 | D | J+ | Yes | S2BVE |
| Nickel | 4.6 | ug/L | 1.0 | | J+ | Yes | S2BVE |
| Selenium | 10.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 5.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Zinc | 31.8 | ug/L | 1.0 | | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ase No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5305 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | CW-5 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 10:35:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.20 | ug/L | 1.0 | J | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z1 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-1 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z1 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-1 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.21 | ug/L | 1.0 | | J- | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z1 | Method: | ICP_MS | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-1 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Arsenic | 24.9 | ug/L | 5.0 | D | | Yes | S2BVE |
| Barium | 856 | ug/L | 10.0 | D | | Yes | S2BVE |
| Beryllium | 0.59 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Cadmium | 0.18 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Chromium | 34.3 | ug/L | 1.0 | | | Yes | S2BVE |
| Cobalt | 13.6 | ug/L | 10.0 | D | | Yes | S2BVE |
| Copper | 30.1 | ug/L | 1.0 | | | Yes | S2BVE |
| ~~Lead~~ | ~~27.6~~ | ~~ug/L~~ | ~~10.0~~ | ~~D~~ | | ~~Yes~~ | ~~S2BVE~~ |
| Manganese | 1450 | ug/L | 100.0 | D | J+ | Yes | S2BVE |
| Nickel | 44.9 | ug/L | 1.0 | | | Yes | S2BVE |
| Selenium | 34.4 | ug/L | 1.0 | | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 34.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Zinc | 258 | ug/L | 5.0 | D | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z2 | Method: | ICP_MS | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Arsenic | 95.8 | ug/L | 1.0 | | J | Yes | S2BVE |
| Barium | 319 | ug/L | 10.0 | D | | Yes | S2BVE |
| Beryllium | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Cadmium | 0.65 | ug/L | 1.0 | J | J- | Yes | S2BVE |
| Chromium | 2.6 | ug/L | 1.0 | | | Yes | S2BVE |
| Cobalt | 2.9 | ug/L | 1.0 | | | Yes | S2BVE |
| Copper | 40.2 | ug/L | 1.0 | | | Yes | S2BVE |
| Lead | 25.5 | ug/L | 10.0 | D | | Yes | S2BVE |
| Manganese | 4700 | ug/L | 100.0 | D | | Yes | S2BVE |
| Nickel | 12.3 | ug/L | 1.0 | | | Yes | S2BVE |
| Selenium | 225 | ug/L | 10.0 | D | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 4.8 | ug/L | 1.0 | J | J | Yes | S2BVE |
| Zinc | 40.9 | ug/L | 1.0 | | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z2 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.23 | ug/L | 1.0 | | J- | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME52Z2 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-2 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5314 | Method: Hg | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-2-FD | pH: 12.0 | Sample Date: 01122011 | Sample Time: 11:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 0.20 | ug/L | 1.0 | J | U | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5314 | Method: CN | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-2-FD | pH: 12.0 | Sample Date: 01122011 | Sample Time: 11:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 10.0 | ug/L | 1.0 | U | U | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ase No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| ample Number: | ME5314 | Method: | ICP_MS | Matrix: | Water | MA Number: | DEFAULT |
| ample Location: | GW-2-FD | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 11:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 2.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Arsenic | 53.0 | ug/L | 10.0 | D | | Yes | S2BVE |
| Barium | 348 | ug/L | 10.0 | D | | Yes | S2BVE |
| Beryllium | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Cadmium | 1.6 | ug/L | 1.0 | | | Yes | S2BVE |
| Chromium | 3.5 | ug/L | 1.0 | | | Yes | S2BVE |
| Cobalt | 1.9 | ug/L | 1.0 | | | Yes | S2BVE |
| Copper | 87.7 | ug/L | 1.0 | | | Yes | S2BVE |
| Lead | 58.8 | ug/L | 10.0 | D | | Yes | S2BVE |
| Manganese | 4640 | ug/L | 100.0 | D | | Yes | S2BVE |
| Nickel | 10.5 | ug/L | 1.0 | | | Yes | S2BVE |
| Selenium | 277 | ug/L | 10.0 | D | | Yes | S2BVE |
| Silver | 1.0 | ug/L | 1.0 | U | U | Yes | S2BVE |
| Thallium | 1.0 | ug/L | 1.0 | J | U | Yes | S2BVE |
| Vanadium | 2.0 | ug/L | 1.0 | J | J | Yes | S2BVE |
| Zinc | 90.1 | ug/L | 1.0 | | J+ | Yes | S2BVE |

| Case No: 40949 | Contract: EPW09044 | SDG No: ME52Z1 | Lab Code: STLV |
|---|---|---|---|
| Sample Number: ME5320 | Method: ICP_MS | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-3 | pH: 12.0 | Sample Date: 01122011 | Sample Time: 12:50:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Antimony | 20.0 | ug/L | 10.0 | J D | U | Yes | S2BVE |
| Arsenic | 15.4 | ug/L | 1.0 | | J | Yes | S2BVE |
| Barium | 896 | ug/L | 10.0 | D | | Yes | S2BVE |
| Beryllium | 70.3 | ug/L | 10.0 | D | | Yes | S2BVE |
| Cadmium | 538 | ug/L | 100.0 | D | | Yes | S2BVE |
| Chromium | 1340 | ug/L | 100.0 | D | | Yes | S2BVE |
| Cobalt | 524 | ug/L | 10.0 | D | | Yes | S2BVE |
| Copper | 36900 | ug/L | 1000.0 | D | | Yes | S2BVE |
| Lead | 15100 | ug/L | 1000.0 | D | | Yes | S2BVE |
| Manganese | 25200 | ug/L | 1000.0 | D | | Yes | S2BVE |
| Nickel | 5560 | ug/L | 100.0 | D | | Yes | S2BVE |
| Selenium | 242 | ug/L | 100.0 | J D | J- | Yes | S2BVE |
| Silver | 36.6 | ug/L | 100.0 | J D | J- | Yes | S2BVE |
| Thallium | 10.0 | ug/L | 10.0 | D | U | Yes | S2BVE |
| Vanadium | 639 | ug/L | 10.0 | D | | Yes | S2BVE |
| Zinc | 67100 | ug/L | 1000.0 | D | J+ | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| Sample Number: | ME5320 | Method: | Hg | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-3 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 12:50:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Mercury | 5.8 | ug/L | 1.0 | | | Yes | S2BVE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| : No: | 40949 | Contract: | EPW09044 | SDG No: | ME52Z1 | Lab Code: | STLV |
| nple Number: | ME5320 | Method: | CN | Matrix: | Water | MA Number: | DEFAULT |
| nple Location: | GW-3 | pH: | 12.0 | Sample Date: | 01122011 | Sample Time: | 12:50:00 |
| Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Cyanide | 1.7 | ug/L | 1.0 | J | J | Yes | S2BVE |

**EXES ISM01.2 Data Qualifier Sheet**

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. |
| J+ | The result is an estimated quantity, but the result may be biased high. |
| J- | The result is an estimated quantity, but the result may be biased low. |
| R | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample. |
| UJ | The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. |

# Sample Summary Report

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Case No: | 40949 | Contract: | EPW05026 | SDG No: | E52Z1 | Lab Code: | DATAC |
| Sample Number: | E52Z1 | Method: | BNA | Matrix: | Water | MA Number: | DEFAULT |
| Sample Location: | GW-1 | pH: | 6.0 | Sample Date: | 01122011 | Sample Time: | 09:15:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1'-Biphenyl | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4,5-Tetrachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Benzenedicarboxylic acid, dinonyl ester | | | 1.0 | JN | | Yes | |
| 2,2'-Oxybis(1-chloropropane) | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,3,4,6-Tetrachlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,5-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,6-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dimethylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,6-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chloronaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylnaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitrophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3,3'-Dichlorobenzidine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4,6-Dinitro-2-methylphenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Bromophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 4-Chloro-3-methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloroaniline | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chlorophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acetophenone | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Atrazine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzaldehyde | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(a)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(a)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(b)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(g,h,i)perylene | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(k)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie | | | 1.0 | JN | U | Yes | |
| Bis(2-chloroethoxy)methane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethyl)ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-ethylhexyl)phthalate | 25 | ug/L | 1.0 | JB | U | Yes | |
| Butylbenzylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Caprolactam | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbazole | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chrysene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Di-n-butylphthalate | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Di-n-octylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzo(a,h)anthracene | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Dibenzofuran | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Diethylphthalate | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Dimethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Fluorene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobutadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorocyclopentadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Indeno(1,2,3-cd)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isophorone | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitroso-di-n-propylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitrosodiphenylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Naphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Nitrobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Pentachlorophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Phenanthrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Phenol | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Phthalic acid, 2-(2-methoxyethyl)he | | | 1.0 | JN | | Yes | |
| Phthalic acid, 5-methoxy-3-methylpent-2-yl nonyl | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7- | | | 1.0 | JN | | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| ester | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, bis(7-methyloctyl) | | | 1.0 | JN | | Yes | |
| Phthalic acid, isohexyl tetradecyl ester | | | 1.0 | JN | | Yes | |
| Picolinyl 8-(5-hexyl-2-furyl)-octanoate | | | 1.0 | JN | U | Yes | |
| Pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E52Z1 | Method: VOA_Low_Med | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-1 | pH: 1.0 | Sample Date: 01122011 | Sample Time: 09:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2,2-Tetrachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,3-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromo-3-chloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromoethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,3-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dioxane | 100 | ug/L | 1.0 | U | R | Yes | |
| 2-Butanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Hexanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Methyl-2-Pentanone | 10 | ug/L | 1.0 | U | U | Yes | |
| Acetone | 20 | ug/L | 1.0 | J | U | Yes | |
| Benzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromodichloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromoform | 5.0 | ug/L | 1.0 | U | UJ | Yes | |
| Bromomethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbon disulfide | 1.2 | ug/L | 1.0 | J | J | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Cyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dichlorodifluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isopropylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl acetate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl tert-butyl ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylcyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylene chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Styrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Tetrachloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Toluene | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Trichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Trichlorofluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Vinyl chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| m,p-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| o-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E52Z2 | Method: BNA | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-2 | pH: 6.0 | Sample Date: 01122011 | Sample Time: 11:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| .alpha.,.alpha.,.alpha.',.alpha.'-Tetramethyl-1, | | | 1.0 | JN | | Yes | |
| 1,1'-Biphenyl | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4,5-Tetrachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1-Hexanol, 6-mercapto- | | | 1.0 | JN | | Yes | |
| 16-Hexadecanoyl hydrazide | | | 1.0 | JN | | Yes | |
| 2,2'-Oxybis(1-chloropropane) | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,3,4,6-Tetrachlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,5-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,6-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dimethylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,6-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chloronaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylnaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitrophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3,3'-Dichlorobenzidine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4,6-Dinitro-2-methylphenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Bromophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloro-3-methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 4-Chloroaniline | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chlorophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acetophenone | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Atrazine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzaldehyde | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(a)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(a)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(b)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(g,h,i)perylene | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(k)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo[c]thiophen-1(3H)-one, 3-(3-oxobenzo[c]thie | | | 1.0 | JN | U | Yes | |
| Bis(2-chloroethoxy)methane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethyl)ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-ethylhexyl)phthalate | 25 | ug/L | 1.0 | JB | U | Yes | |
| Butylbenzylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Caprolactam | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbazole | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chrysene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Di-n-butylphthalate | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Di-n-octylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzo(a,h)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzofuran | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Diethylphthalate | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Dimethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethanol, 2-[(2-ethylhexyl)oxy]- | | | 1.0 | JN | | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Fluorene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobutadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorocyclopentadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Indeno(1,2,3-cd)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isophorone | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitroso-di-n-propylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitrosodiphenylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Naphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Nitrobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Pentachlorophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Phenanthrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Phenol | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Phthalic anhydride | | | 1.0 | JN | U | Yes | |
| Pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ıe No: | 40949 | Contract: | EPW05026 | SDG No: | E52Z1 | Lab Code: | DATAC |
| ımple Number: | E52Z2 | Method: | VOA_Low_Med | Matrix: | Water | MA Number: | DEFAULT |
| ımple Location: | GW-2 | pH: | 1.0 | Sample Date: | 01122011 | Sample Time: | 11:15:00 |
| ı Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2,2-Tetrachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,3-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromo-3-chloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromoethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,3-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dioxane | 100 | ug/L | 1.0 | U | R | Yes | |
| 2-Butanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Hexanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Methyl-2-Pentanone | 10 | ug/L | 1.0 | U | U | Yes | |
| Acetone | 20 | ug/L | 1.0 | J | U | Yes | |
| Benzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromodichloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromoform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromomethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbon disulfide | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Cyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dichlorodifluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isopropylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl acetate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl tert-butyl ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylcyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylene chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Styrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Tetrachloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Toluene | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Trichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Trichlorofluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Vinyl chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| m,p-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| o-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E5302 | Method: VOA_Low_Med | Matrix: Water | MA Number: DEFAULT |
| Sample Location: CW-2 | pH: 1.0 | Sample Date: 01122011 | Sample Time: 11:07:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2,2-Tetrachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,3-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromo-3-chloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromoethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,3-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dioxane | 100 | ug/L | 1.0 | U | R | Yes | |
| 2-Butanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Hexanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Methyl-2-Pentanone | 10 | ug/L | 1.0 | U | U | Yes | |
| Acetone | 20 | ug/L | 1.0 | J | U | Yes | |
| Benzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromodichloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromoform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromomethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbon disulfide | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Cyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dichlorodifluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isopropylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl acetate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl tert-butyl ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylcyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylene chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Styrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Tetrachloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Toluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Trichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Trichlorofluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Vinyl chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| m,p-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| o-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW05026 | SDG No: | E52Z1 | Lab Code: | DATAC |
| ample Number: | E5302 | Method: | BNA | Matrix: | Water | MA Number: | DEFAULT |
| ample Location: | CW-2 | pH: | 6.0 | Sample Date: | 01122011 | Sample Time: | 11:07:00 |
| % Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1'-Biphenyl | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4,5-Tetrachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,2'-Oxybis(1-chloropropane) | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,3,4,6-Tetrachlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,5-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,6-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dimethylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,6-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chloronaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylnaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitrophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3,3'-Dichlorobenzidine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4,6-Dinitro-2-methylphenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Bromophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloro-3-methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloroaniline | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chlorophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acetophenone | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Atrazine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzaldehyde | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(a)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(a)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(b)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(g,h,i)perylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(k)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethoxy)methane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethyl)ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-ethylhexyl)phthalate | 25 | ug/L | 1.0 | J | U | Yes | |
| Butylbenzylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Caprolactam | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbazole | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chrysene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Di-n-butylphthalate | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Di-n-octylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzo(a,h)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzofuran | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Diethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dimethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Fluorene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobutadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorocyclopentadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Indeno(1,2,3-cd)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Isophorone | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N,N'-Bis(2-hydroxy-alpha-methylbenzylidene)ethyl | | | 1.0 | JN | U | Yes | |
| N-Nitroso-di-n-propylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitrosodiphenylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Naphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Nitrobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Pentachlorophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Phenanthrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Phenol | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E5314 | Method: VOA_Low_Med | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-2-FD | pH: 1.0 | Sample Date: 01122011 | Sample Time: 11:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2,2-Tetrachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,3-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromo-3-chloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromoethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,3-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,4-Dioxane | 100 | ug/L | 1.0 | U | R | Yes | |
| 2-Butanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Hexanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Methyl-2-Pentanone | 10 | ug/L | 1.0 | U | U | Yes | |
| Acetone | 10 | ug/L | 1.0 | U | U | Yes | |
| Benzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromodichloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromoform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromomethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbon disulfide | 0.28 | ug/L | 1.0 | J | J | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Cyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dichlorodifluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isopropylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl acetate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl tert-butyl ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylcyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylene chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Styrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Tetrachloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Toluene | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Trichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Trichlorofluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Vinyl chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| cis-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| m,p-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| o-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,2-Dichloroethene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E5314 | Method: BNA | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-2-FD | pH: 6.0 | Sample Date: 01122011 | Sample Time: 11:15:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| .alpha.,.alpha.,.alpha.',.alpha.'-Tetramethyl-1, | | | 1.0 | JN | | Yes | |
| 1,1'-Biphenyl | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1'-Methylenebis(3-methylpiperidine) | | | 1.0 | JN | | Yes | |
| 1,2,4,5-Tetrachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1-Hexanol, 6-mercapto- | | | 1.0 | JN | | Yes | |
| 2,2'-Oxybis(1-chloropropane) | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,3,4,6-Tetrachlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,5-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4,6-Trichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dichlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dimethylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2,6-Dinitrotoluene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chloronaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Chlorophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylnaphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitrophenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 2-Thiazolamine, 4-(4-methoxyphenyl)-N-(4-methylp | | | 1.0 | JN | U | Yes | |
| 3,3'-Dichlorobenzidine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 3-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 4,6-Dinitro-2-methylphenol | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Bromophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloro-3-methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloroaniline | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Chlorophenyl-phenylether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Methylphenol | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitroaniline | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitrophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Acetophenone | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Atrazine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzaldehyde | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(a)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(a)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(b)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(g,h,i)perylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Benzo(k)fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethoxy)methane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethyl)ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-ethylhexyl)phthalate | 25 | ug/L | 1.0 | JB | U | Yes | |
| Butylbenzylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Caprolactam | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbazole | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chrysene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Di-n-butylphthalate | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| Di-n-octylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzo(a,h)anthracene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibenzofuran | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Diethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dimethylphthalate | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Fluoranthene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Fluorene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobutadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorocyclopentadiene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Hexachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Indeno(1,2,3-cd)pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Isophorone | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl octyl ether | | | 1.0 | JN | | Yes | |
| N-Nitroso-di-n-propylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| N-Nitrosodiphenylamine | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Naphthalene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Nitrobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Pentachlorophenol | 10 | ug/L | 1.0 | U | U | Yes | |
| Phenanthrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Phenol | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Phthalic anhydride | | | 1.0 | JN | U | Yes | |
| Pyrene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| Case No: 40949 | Contract: EPW05026 | SDG No: E52Z1 | Lab Code: DATAC |
|---|---|---|---|
| Sample Number: E5320 | Method: VOA_Low_Med | Matrix: Water | MA Number: DEFAULT |
| Sample Location: GW-3 | pH: 6.0 | Sample Date: 01122011 | Sample Time: 12:50:00 |
| % Moisture : | | % Solids : | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2,2-Tetrachloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1,2-Trichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,1-Dichloroethane | 62 | ug/L | 1.0 | | | Yes | |
| 1,1-Dichloroethene | 19 | ug/L | 1.0 | | | Yes | |
| 1,2,3-Trichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4-Trichlorobenzene | 5.0 | ug/L | 1.0 | JB | U | Yes | |
| 1,2-Dibromo-3-chloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dibromoethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichlorobenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,2-Dichloropropane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| 1,3-Dichlorobenzene | 0.64 | ug/L | 1.0 | J | J | Yes | |
| 1,4-Dichlorobenzene | 2.0 | ug/L | 1.0 | J | J | Yes | |
| 1,4-Dioxane | 100 | ug/L | 1.0 | U | R | Yes | |
| 2-Butanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 2-Hexanone | 10 | ug/L | 1.0 | U | U | Yes | |
| 4-Methyl-2-Pentanone | 10 | ug/L | 1.0 | U | U | Yes | |
| Acetone | 20 | ug/L | 1.0 | J | U | Yes | |
| Benzene | 1.0 | ug/L | 1.0 | J | J | Yes | |
| Bromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromodichloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromoform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Bromomethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Carbon disulfide | 0.43 | ug/L | 1.0 | J | J | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chlorobenzene | 0.61 | ug/L | 1.0 | J | J | Yes | |
| Chloroethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloroform | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Chloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Cyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dibromochloromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Dichlorodifluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Ethylbenzene | 0.35 | ug/L | 1.0 | J | J | Yes | |
| Isopropylbenzene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl acetate | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methyl tert-butyl ether | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylcyclohexane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Methylene chloride | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Styrene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Tetrachloroethene | 2.8 | ug/L | 1.0 | J | J | Yes | |
| Toluene | 5.0 | ug/L | 1.0 | J | U | Yes | |
| Trichloroethene | 5.0 | ug/L | 1.0 | | | Yes | |
| Trichlorofluoromethane | 5.0 | ug/L | 1.0 | U | U | Yes | |
| Vinyl chloride | 0.83 | ug/L | 1.0 | J | J | Yes | |
| cis-1,2-Dichloroethene | 9.4 | ug/L | 1.0 | | | Yes | |
| cis-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| m,p-Xylene | 0.44 | ug/L | 1.0 | J | J | Yes | |
| o-Xylene | 5.0 | ug/L | 1.0 | U | U | Yes | |
| trans-1,2-Dichloroethene | 0.70 | ug/L | 1.0 | J | J | Yes | |
| trans-1,3-Dichloropropene | 5.0 | ug/L | 1.0 | U | U | Yes | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| se No: | 40949 | Contract: | EPW05026 | SDG No: | E52Z1 | Lab Code: | DATAC |
| mple Number: | E5320 | Method: | BNA | Matrix: | Water | MA Number: | DEFAULT |
| mple Location: | GW-3 | pH: | 6.0 | Sample Date: | 01122011 | Sample Time: | 12:50:00 |
| Moisture : | | | | % Solids : | | | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 1,1'-Biphenyl | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 1,2,4,5-Tetrachlorobenzene | 0.17 | ug/L | 1.0 | J | J | Yes | |
| 2,2'-Oxybis(1-chloropropane) | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,3,4,6-Tetrachlorophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,4,5-Trichlorophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,4,6-Trichlorophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dichlorophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dimethylphenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrophenol | 11 | ug/L | 1.0 | U | U | Yes | |
| 2,4-Dinitrotoluene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2,6-Dinitrotoluene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2-Chloronaphthalene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2-Chlorophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylnaphthalene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2-Methylphenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitroaniline | 11 | ug/L | 1.0 | U | U | Yes | |
| 2-Nitrophenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 3,3'-Dichlorobenzidine | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 3-Nitroaniline | 11 | ug/L | 1.0 | U | U | Yes | |
| 4,6-Dinitro-2-methylphenol | 11 | ug/L | 1.0 | U | U | Yes | |
| 4-Bromophenyl-phenylether | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloro-3-methylphenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 4-Chloroaniline | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 4-Chlorophenyl-phenylether | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 4-Methylphenol | 5.3 | ug/L | 1.0 | U | U | Yes | |
| 4-Nitroaniline | 11 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| 4-Nitrophenol | 11 | ug/L | 1.0 | U | U | Yes | |
| Acenaphthene | 5.3 | ug/L | ,1.0 | U | U | Yes | |
| Acenaphthylene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Acetophenone | 5.3 | ug/L | 1.0 | JB | U | Yes | |
| Anthracene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Atrazine | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Benzaldehyde | 5.3 | ug/L | 1.0 | JB | U | Yes | |
| Benzo(a)anthracene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Benzo(a)pyrene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Benzo(b)fluoranthene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Benzo(g,h,i)perylene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Benzo(k)fluoranthene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethoxy)methane | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-chloroethyl)ether | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Bis(2-ethylhexyl)phthalate | 27 | ug/L | 1.0 | JB | U | Yes | |
| Butylbenzylphthalate | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Caprolactam | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Carbazole | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Chrysene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Di-n-butylphthalate | 5.3 | ug/L | 1.0 | JB | U | Yes | |
| Di-n-octylphthalate | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Dibenzo(a,h)anthracene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Dibenzofuran | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Diethylphthalate | 5.3 | ug/L | 1.0 | J | U | Yes | |
| Dimethylphthalate | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Fluoranthene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Fluorene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobenzene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorobutadiene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Hexachlorocyclopentadiene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Hexachloroethane | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Indeno(1,2,3-cd)pyrene | 5.3 | ug/L | 1.0 | U | U | Yes | |

| Analyte Name | Result | Units | Dilution Factor | Lab Flag | Validation | Reportable | Validation Level |
|---|---|---|---|---|---|---|---|
| Isophorone | 5.3 | ug/L | 1.0 | U | U | Yes | |
| N-Nitroso-di-n-propylamine | 5.3 | ug/L | 1.0 | U | U | Yes | |
| N-Nitrosodiphenylamine | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Naphthalene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Nitrobenzene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Pentachlorophenol | 11 | ug/L | 1.0 | U | U | Yes | |
| Phenanthrene | 5.3 | ug/L | 1.0 | U | U | Yes | |
| Phenol | 5.3 | ug/L | 1.0 | J | U | Yes | |
| Phthalic acid, monoethyl ester | | | 1.0 | JN | U | Yes | |
| Phthalic anhydride | | | 1.0 | JN | U | Yes | |
| Pyrene | 5.3 | ug/L | 1.0 | U | U | Yes | |

Case Number: 40949
Site Name: Chemetco (IL)

SDG Number: E52Z1
Laboratory: ALS Laboratory Group

CADRE Data Qualifier Sheet

| Qualifiers | Data Qualifier Definitions |
|---|---|
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample. |
| UJ | The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample. |
| N | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. |
| NJ | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration. |
| R | The data are unusable. (The compound may or may not be present.) |

Reviewed by: Christina Rice / TechLaw-ESAT
Date: February 4, 2011