February 19, 2010

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**Subject:** **Soil Data Review for**
**The Replacement and Installation of New Monitoring Wells**
**Former Manufactured Gas Plant - Champaign, IL**
**State ID 0190100008**

Dear Mr. Martin:

On behalf of AmerenIP, PSC Industrial Outsourcing, LP (PSC) has reviewed the soil probehole data collected the first week of February 2010. This data was collected during the recent installation of three off-site monitoring wells (two new and one replacement) UMW-122, UMW-123, and UMW-106R as requested by the Illinois Environmental Protection Agency (IEPA). These wells were installed to aid in the delineation of cyanide in the shallow groundwater southwest of the former MGP site.

A total of six soil samples (two at each location) were collected during the monitoring well installations. The IEPA requested that the soil be collected within the vadose zone, therefore, samples were collected from the 0-3 foot and within the 3-10 foot depth zone above the water table. A review of the soil data indicates that there are no exceedances of either a Tier 1 remedial objective (RO) or any constituent specific background values for any of the volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and cyanide.

These new wells were developed on February 17th and 18th, 2010 and will be included in the upcoming quarterly groundwater monitoring event scheduled for the second week of March, 2010.

If you have any questions or require further information, please feel free to contact us at (618) 281-1575 or by e-mail at psazama@pscnow.com.

Sincerely yours;

**PSC INDUSTRIAL OUTSOURCING, LP**

Pete Sazama, P.G.
Project Manager

Enclosures:
Figure 1 - 2010 Monitoring Well Locations
Table 1 - Soil Sample Summary – BTEX, PAHs, and Cyanide
Table 2 - Soil Sample Summary – VOCs
Appendix A - Laboratory Analytical Report

Cc: Mr. Greg Dunn - IEPA

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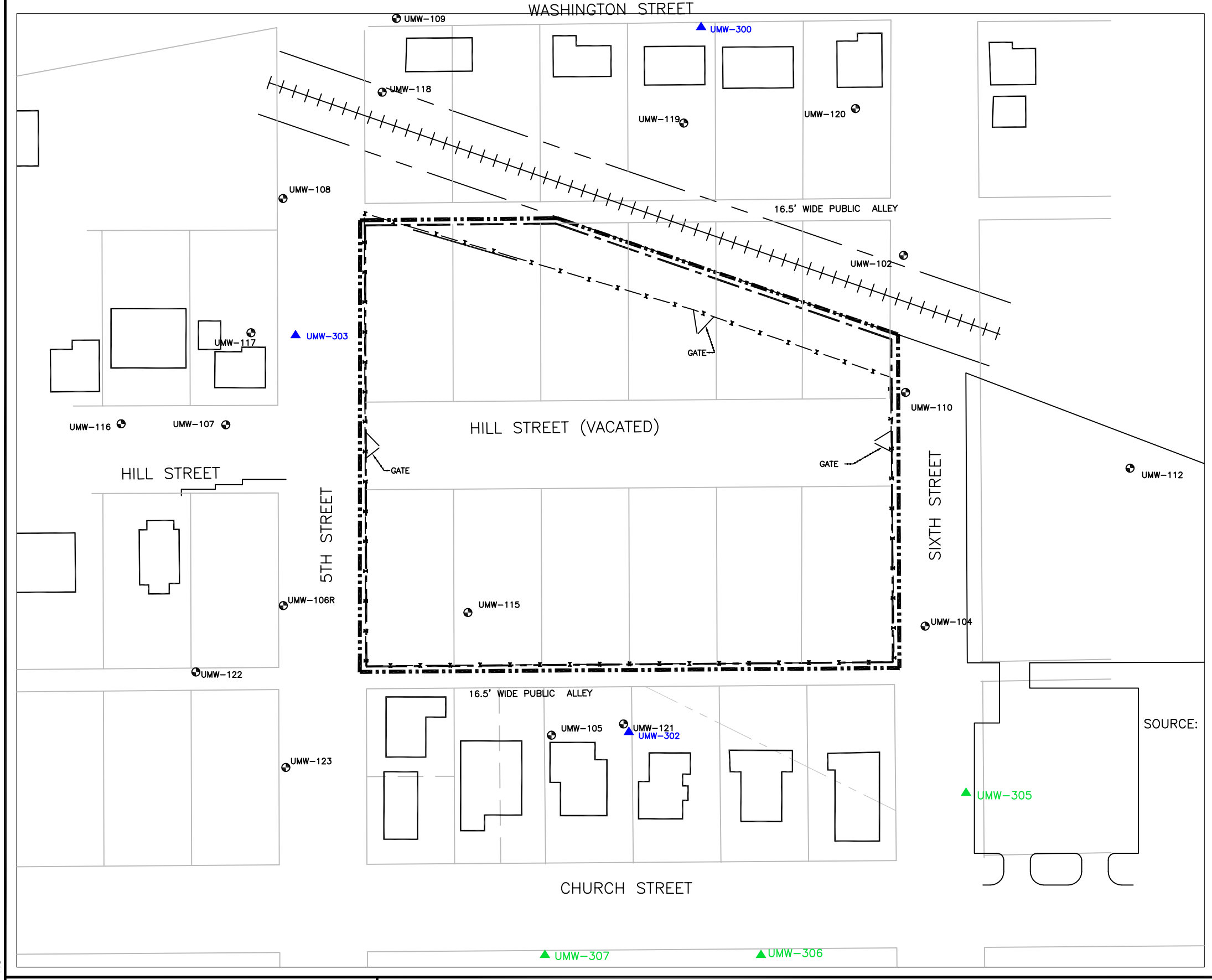


## LEGEND

- EXISTING STRUCTURES (APPROXIMATE)
- CURRENT AMERENIP PROPERTY BOUNDARY
- REMEDIATION SITE BOUNDARY
- FENCE
- UMW-100 — SHALLOW GROUNDWATER MONITORING WELLS
- UMW-300 — INTERMEDIATE GROUNDWATER MONITORING WELLS
- UMW-400 — DEEP GROUNDWATER MONITORING WELLS

SOURCE:

THE SOURCE FOR THE PROPERTY BOUNDARY SURVEY IS VEGRZYN, SARVER AND ASSOCIATES.

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TITLE:
2010 MONITORING WELL LOCATIONS

| DWN: TMM | DES: MRC | PROJECT NO: 62403053 |
|---|---|---|
| CHKD: | APPD: | AMERENIP CHAMPAIGN, ILLINOIS |
| DATE: 02/09/10 | REV: | FIGURE 1 |

# Table 1
# Soil Sample Summary - BTEX, PAHs, and Cyanide
# Replacement and New (2010) Monitoring Wells
# Champaign MGP Remediation

| | Soil Ingestion | | | Soil Inhalation | | | Indoor Air | | Soil Component | IEPA Accepted Background Levels | Project Remediation | Sample Location: | UMW-106R | UMW-106R | UMW-122 | UMW-122 | UMW-123 | UMW-123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Sample ID: | UMW-106R(1-2) | UMW-106R(5) | UMW-122(2-3) | UMW-122(6-7) | UMW-123(3-4) | UMW-123(6-7) |
| | | | | | | | | | | | | Sample Date: | 2/1/2010 | 2/1/2010 | 2/3/2010 | 2/3/2010 | 2/2/2010 | 2/2/2010 |
| | Residential | Commercial | Construction | Residential | Commercial | Construction | Residential | Commercial | Groundwater | for MSA | Objectives | Sample Depth (feet): | 1-2 | 5 | 2-3 | 6-7 | 3-4 | 6-7 |
| ***BTEX Constituents (mg/kg)*** | | | | | | | | | | | | | | | | | | |
| Benzene | 12 | 100 | 2,300 | 0.8 | 1.6 | 2.2 | 0.069 | 0.51 | 0.03 | --- | 0.069 | | <0.001 | 0.0034 | 0.0172 | 0.0024 | 0.0014 | 0.0032 |
| Ethylbenzene | 7,800 | 200,000 | 20,000 | 400 | 400 | 58 | 240 | 240 | 13 | --- | 58 | | <0.0052 | 0.0037J | 0.0056 | 0.0025J | <0.0055 | 0.0023J |
| Toluene | 16,000 | 410,000 | 410,000 | 650 | 650 | 42 | 130 | 130 | 12 | --- | 42 | | <0.0052 | 0.0087 | 0.0235 | 0.0059 | 0.002J | 0.0066 |
| m,p-Xylenes | 16,000 | 410,000 | 41,000 | 420[1] | 420[1] | 5.9[2] | 75[2] | 120[2] | 200[2] | --- | --- | | <0.0052 | 0.0052 | 0.0167 | 0.0042J | 0.0017J | 0.0033J |
| o-Xylene | 16,000 | 410,000 | 41,000 | 410 | 410 | 6.5 | 98 | 140 | 190 | --- | --- | | <0.0052 | 0.0023J | 0.0061 | 0.002J | <0.0055 | 0.0014J |
| Xylenes | 16,000 | 410,000 | 41,000 | 320 | 320 | 5.6 | 63 | 100 | 150 | --- | 5.6 | | <0.0052 | 0.0075 | 0.0228 | 0.0062J | 0.0017J | 0.0047J |
| ***PNA Constituents (mg/kg)*** | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 4,700 | 120,000 | 120,000 | --- | --- | --- | --- | --- | 570 | 0.13 | 4,700 | | 0.004 | <0.004 | <0.022 | <0.004 | <0.004 | <0.004 |
| Acenaphthylene | 2,300[4] | 61,000[4] | 61,000[4] | --- | --- | --- | --- | --- | 85[4] | 0.07 | 2,300 | | 0.038 | <0.004 | <0.022 | <0.004 | 0.009 | <0.004 |
| Anthracene | 23,000 | 610,000 | 610,000 | --- | --- | --- | --- | --- | 12,000 | 0.4 | --- | | 0.044 | <0.004 | <0.022 | <0.004 | 0.011 | <0.004 |
| Benzo(a)anthracene | 0.90 | 8 | 170 | --- | --- | --- | --- | --- | 2 | 1.8 | 2 | | 0.28 | 0.008 | 0.029 | <0.004 | 0.063 | 0.004 |
| Benzo(a)pyrene | 0.09 | 0.80 | 17 | --- | --- | --- | --- | --- | 8 | 2.1 | 2.1 | | 0.333 | 0.006 | <0.022 | <0.004 | 0.075 | <0.004 |
| Benzo(b)fluoranthene | 0.90 | 8 | 170 | --- | --- | --- | --- | --- | 5 | 2.1 | 2.1 | | 0.441 | 0.008 | 0.029 | <0.004 | 0.105 | 0.004 |
| Benzo(g,h,i)perylene | 2,300[4] | 61,000[4] | 61,000[4] | --- | --- | --- | --- | --- | 27,000[4] | 1.7 | --- | | 0.222 | 0.005 | <0.022 | <0.004 | 0.052 | <0.004 |
| Benzo(k)fluoranthene | 9 | 78 | 1,700 | --- | --- | --- | --- | --- | 49 | 1.7 | 9 | | 0.159 | <0.004 | <0.022 | <0.004 | 0.034 | <0.004 |
| Bis(2-ethylhexyl)phthalate | 46 | 410 | 4,100 | 31,000 | 31,000 | 31,000 | --- | --- | 3,600 | --- | --- | | <0.084 | <0.083 | <0.429 | <0.082 | <0.084 | <0.077 |
| Chrysene | 88 | 780 | 17,000 | --- | --- | --- | --- | --- | 160 | 2.7 | 88 | | 0.295 | 0.006 | <0.022 | <0.004 | 0.069 | <0.004 |
| Dibenzo(a,h)anthracene | 0.09 | 0.80 | 17 | --- | --- | --- | --- | --- | 2 | 0.42 | 0.42 | | 0.064 | <0.004 | <0.022 | <0.004 | 0.014 | <0.004 |
| Fluoranthene | 3,100 | 82,000 | 82,000 | --- | --- | --- | --- | --- | 4,300 | 4.1 | --- | | 0.506 | 0.009 | 0.027 | <0.004 | 0.122 | <0.004 |
| Fluorene | 3,100 | 82,000 | 82,000 | --- | --- | --- | --- | --- | 560 | 0.18 | 3,100 | | 0.011 | <0.004 | <0.022 | <0.004 | <0.004 | <0.004 |
| Indeno(1,2,3-cd)pyrene | 0.90 | 8.00 | 170 | --- | --- | --- | --- | --- | 14 | 1.6 | 1.6 | | 0.206 | 0.004J | <0.022 | <0.004 | 0.048 | <0.004 |
| Naphthalene | 1,600 | 41,000 | 4,100 | 170 | 270 | 1.8 | 34 | 34 | 12 | 0.2 | 1.8 | | 0.017 | <0.004 | <0.022 | <0.004 | 0.005 | <0.004 |
| Phenanthrene | 2,300[4] | 61,000[4] | 61,000[4] | --- | --- | --- | --- | --- | 200[4] | 2.5 | 2,300 | | 0.168 | 0.005 | <0.022 | <0.004 | 0.051 | <0.004 |
| Pyrene | 2,300 | 61,000 | 61,000 | --- | --- | --- | --- | --- | 4,200 | 3 | --- | | 0.422 | 0.009 | 0.027 | <0.004 | 0.103 | 0.004J |
| ***Cyanide*** | | | | | | | | | | | | | | | | | | |
| Cyanide | 1,600 | 41,000 | 4,100 | --- | --- | --- | --- | --- | 40 | 0.51 | 1,600 | | 0.01J | <0.01 | 0.01 | <0.01 | 0.04 | <0.01 |

Notes:
[1] Objective is for m-xylene
[2] Objective is for p-xylene
[3] Objectives are for Class I groundwater.
[4] Non-TACO or provisional ROs provided by the IEPA.
'--- No objective has been published for this constituent by the IEPA, or the sample was not analyzed for this constituent.
J Analyte detected below reporting limits.
Concentration exceeds one or more project remediation objective.

# Table 2
# Soil Sample Summary - VOCs
# Replacement and New (2010) Monitoring Wells
# Champaign MGP Remediation

| | Soil Ingestion | | | Soil Inhalation | | | Indoor Air | | Soil Component to Groundwater[1] | Project Remediation Objectives | Sample Location: | UMW-106R | UMW-106R | UMW-122 | UMW-122 | UMW-123 | UMW-123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Sample ID: | UMW-106R(1-2) | UMW-106R(5) | UMW-122(2-3) | UMW-122(6-7) | UMW-123(3-4) | UMW-123(6-7) |
| | | | | | | | | | | | Sample Date: | 2/1/2010 | 2/1/2010 | 2/3/2010 | 2/3/2010 | 2/2/2010 | 2/2/2010 |
| | Residential | Commercial | Construction | Residential | Commercial | Construction | Residential | Commercial | | | Sample Depth (feet): | 1-2 | 5 | 2-3 | 6-7 | 3-4 | 6-7 |
| 1,1,1,2-Tetrachloroethane | 2,300 [2] | 61,000 [2] | 6,100 [2] | 2,100 [2] | 2,100 [2] | 2,100 [2] | --- | --- | 3.4 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1,1-Trichloroethane | --- | --- | --- | 1,200 | 1,200 | 1,200 | 560 | 560 | 2 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1,2,2-Tetrachloroethane | 4,700 [2] | 120,000 [2] | 12,000 [2] | 2,000 [2] | 2,000 [2] | 2,000 [2] | --- | --- | 3.3 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1,2-Trichloroethane | 310 | 8,200 | 8,200 | 1,800 | 1,800 | 1,800 | 900 | 900 | 0.02 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1-Dichloro-2-propanone | --- | --- | --- | --- | --- | --- | --- | --- | | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| 1,1-Dichloroethane | 7,800 | 200,000 | 200,000 | 1,300 | 1,700 | 130 | 110 | 670 | 23 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1-Dichloroethene | 3,900 | 100,000 | 470 | 290 | 10,000 | 3 | 13 | 77 | 0.06 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,1-Dichloropropene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2,3-Trichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2,3-Trichloropropane | 0.092 [2] | 0.82 [2] | 18 | 730 [2] | 730 [2] | 730 [2] | --- | --- | 0.0001 [2] | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| 1,2,3-Trimethylbenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | 0.0011J | 0.0013J | 0.0013J | <0.0055 | <0.0045 |
| 1,2,4-Trichlorobenzene | 780 | 20,000 | 2,000 | 3,200 | 3,200 | 920 | 220 | 980 | 5 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2,4-Trimethylbenzene | 3,900 [2] | 100,000 [2] | 100,000 [2] | 73 [2] | 120 [2] | 0.25 [2] | --- | --- | 18 [2] | --- | | <0.0052 | 0.0032J | 0.0018J | 0.0033J | <0.0055 | 0.0017J |
| 1,2-Dibromo-3-chloropropane | 0.46 | 4 | 89 | 11 | 17 | 0.11 | 0.0073 | 0.054 | 0.002 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2-Dibromoethane (EDB) | 0.32 | 2.9 | 62 | 0.06 | 0.12 | 0.16 | 0.022 | 0.16 | 0.0004 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2-Dichlorobenzene | 7,000 | 180,000 | 18,000 | 560 | 560 | 310 | 200 | 200 | 17 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2-Dichloroethane | 7 | 63 | 1,400 | 0.4 | 0.7 | 0.99 | 0.066 | 0.48 | 0.02 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,2-Dichloropropane | 9 | 84 | 1,800 | 15 | 23 | 0.5 | 0.023 | 0.17 | 0.03 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,3,5-Trimethylbenzene | 3,900 [2] | 100,000 [2] | 100,000 [2] | 45 [2] | 72 [2] | 0.15 [2] | --- | --- | 10 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,3-Dichlorobenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,3-Dichloropropane | 1,600 [2] | 41,000 [2] | 41,000 [2] | 1,000 [2] | 1,000 [2] | 1,000 [2] | --- | --- | 0.83 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1,4-Dichlorobenzene | --- | --- | --- | 11,000 | 17,000 | 340 | 1.3 | 9.8 | 2 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 1-Chlorobutane | 3,100 [2] | 82,000 [2] | 14,000 [2] | 1,200 [2] | 1,200 [2] | 1,200 [2] | --- | --- | 3.1 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 2,2-Dichloropropane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 2-Butanone (methyl ethyl ketone) | 47,000 [2] | 1,000,000 [2] | 120,000 [2] | 25,000 [2] | 25,000 [2] | 710 [2] | 23,000 | 23,000 | 17 [2] | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| 2-Chlorotoluene (o-chlorotoluene) | 1,600 [2] | 41,000 [2] | 41,000 [2] | 1,400 [2] | 1,400 [2] | 1,400 [2] | --- | --- | 4 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 2-Hexanone | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| 2-Nitropropane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| 4-Chlorotoluene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| 4-Methyl-2-pentanone (MIBK) | --- | --- | --- | 3,100 [2] | 3,100 [2] | 340 [2] | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| Acetone | 70,000 | --- | --- | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 25 | 7,800 | | 0.046J | 0.033J | <0.0522 | 0.035J | <0.0553 | 0.027J |
| Acrolein | 39 [2] | 1,000 [2] | 1,600 [2] | 0.16 [2] | 0.26 [2] | 0.017 [2] | --- | --- | 0.014 [2] | --- | | <0.103 | <0.0993 | <0.104 | <0.0942 | <0.111 | <0.0895 |
| Acrylonitrile | 1.2 [2] | 11 [2] | 230 [2] | 0.28 [2] | 0.54 [2] | 0.17 [2] | --- | --- | 0.0006 [2] | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Allyl chloride | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Bromobenzene | 1,600 [2] | 41,000 [2] | 41,000 [2] | 100 [2] | 160 [2] | 11 [2] | --- | --- | 2.2 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Bromochloromethane | --- | --- | --- | --- | --- | --- | --- | --- | | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Bromodichloromethane | 10 | 92 | 2,000 | 3,000 | 3,000 | 3,000 | 1,400 | 1,400 | 0.6 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Bromoform | 81 | 720 | 16,000 | 53 | 100 | 140 | 49 | 360 | 0.8 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Bromomethane (methyl bromide) | 110 | 2,900 | 1,000 | 10 | 15 | 3.9 | 0.71 | 4.3 | 0.2 | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Carbon disulfide | 7,800 | 200,000 | 20,000 | 720 | 720 | 9 | 38 | 230 | 32 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Carbon tetrachloride | 5 | 44 | 410 | 0.3 | 0.64 | 0.9 | 0.021 | 0.15 | 0.07 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Chlorobenzene | 1,600 | 41,000 | 4,100 | 130 | 210 | 1.3 | 54 | 330 | 1 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Chloroethane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Chloroform | 100 | 940 | 2,000 | 0.3 | 0.54 | 0.76 | 0.028 | 0.2 | 0.6 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |

Notes:

[1] Objectives are for Class I Groundwater.

[2] Non-TACO or provisional ROs provided by the IEPA.

J Analyte detected below reporting limits.

'--- No objective has been published for this constituent by the IEPA, or the sample was not analyzed for this constituent.

Concentration exceeds one or more project remediation objective.

# Table 2
# Soil Sample Summary - VOCs
# Replacement and New (2010) Monitoring Wells
# Champaign MGP Remediation

| | Soil Ingestion | | | Soil Inhalation | | | Indoor Air | | Soil Component to Groundwater[1] | Project Remediation Objectives | Sample Location: | UMW-106R | UMW-106R | UMW-122 | UMW-122 | UMW-123 | UMW-123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | Sample ID: | UMW-106R(1-2) | UMW-106R(5) | UMW-122(2-3) | UMW-122(6-7) | UMW-123(3-4) | UMW-123(6-7) |
| | | | | | | | | | | | Sample Date: | 2/1/2010 | 2/1/2010 | 2/3/2010 | 2/3/2010 | 2/2/2010 | 2/2/2010 |
| | Residential | Commercial | Construction | Residential | Commercial | Construction | Residential | Commercial | | | Sample Depth (feet): | 1-2 | 5 | 2-3 | 6-7 | 3-4 | 6-7 |
| Chloromethane (methyl chloride) | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| cis-1,2-Dichloroethene | 780 | 20,000 | 20,000 | 1,200 | 1,200 | 1,200 | 700 | 700 | 0.4 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| cis-1,3-Dichloropropene | 6.4 | 57 | 1,200 | 1.1 | 2.1 | 0.39 | 0.061 | 0.45 | 0.004 | --- | | <0.0041 | <0.004 | <0.0042 | <0.0038 | <0.0044 | <0.0036 |
| Cyclohexanone | 390,000 [2] | 1,000,000 [2] | 1,000,000 [2] | 660 [2] | 660 [2] | 660 [2] | --- | --- | 150 [2] | --- | | <0.103 | <0.0993 | <0.104 | <0.0942 | <0.111 | <0.0895 |
| Dibromochloromethane (chlorodibromomethane) | 1,600 | 41,000 | 41,000 | 1,300 | 1,300 | 1,300 | 630 | 630 | 0.4 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Dibromomethane (methylene bromide) | 780 [2] | 20,000 [2] | 20,000 [2] | 2,700 [2] | 2,700 [2] | 2,700 [2] | --- | --- | 0.34 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Dichlorodifluoromethane | 16,000 [2] | 410,000 [2] | 180,000 [2] | 190 [2] | 310 [2] | 20 [2] | 6.8 | 4.2 | 43 [2] | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Ethyl acetate | 70,000 [2] | 1,000,000 [2] | 1,000,000 [2] | 10,000 [2] | 10,000 [2] | 10,000 [2] | --- | --- | 26 [2] | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| Ethyl ether | 16,000 [2] | 410,000 [2] | 410,000 [2] | 8,800 [2] | 8,800 [2] | 8,800 [2] | --- | --- | 6.1 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Ethyl methacrylate | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Heptane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0207 | <0.0199 | <0.0209 | 0.0044J | <0.0221 | <0.0179 |
| Hexachlorobutadiene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Hexachloroethane | 78 | 2,000 | 2,000 | --- | --- | --- | 160 | 160 | 0.5 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Iodomethane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Isopropylbenzene (cumene) | 7,800 [2] | 200,000 [2] | 61,000 [2] | 500 [2] | 790 [2] | 51 [2] | 21 | 130 | 91 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Methacrylonitrile | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| Methyl Methacrylate | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Methyl tert-butyl ether | 780 | 20,000 | 2,000 | 8,800 | 8,800 | 140 | 2,900 | 6,300 | 0.32 | --- | | <0.0021 | <0.002 | <0.0021 | <0.0019 | <0.0022 | <0.0018 |
| Methylacrylate | 2,300 [2] | 61,000 [2] | 6,100 [2] | 6,500 [2] | 6,500 [2] | 6,500 [2] | --- | --- | 0.89 [2] | --- | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| Methylene chloride (dichloromethane) | 85 | 760 | 12,000 | 13 | 24 | 34 | 1.4 | 10 | 0.02 | 1.4 | | <0.0052 | <0.005 | 0.0026J | 0.001J | <0.0055 | <0.0045 |
| Naphthalene | 1,600 | 41,000 | 4,100 | 170 | 270 | 1.8 | 34 | 34 | 12 | 1.8 | | <0.0103 | <0.0099 | <0.0104 | <0.0094 | <0.0111 | <0.009 |
| n-Butylbenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| n-Hexane | --- | --- | --- | 290 [2] | 290 [2] | 15 [2] | --- | --- | --- | --- | | <0.0207 | 0.011J | 0.0039J | 0.0047J | 0.0027J | 0.0086J |
| Nitrobenzene | 39 | 1,000 | 1,000 | 92 | 140 | 9.4 | 140 | 380 | 0.1 | --- | | <0.103 | <0.0993 | <0.104 | <0.0942 | <0.111 | <0.0895 |
| n-Propylbenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | 0.0011J | <0.0047 | <0.0055 | <0.0045 |
| Pentachloroethane | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| p-Isopropyltoluene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Propionitrile | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| sec-Butylbenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Styrene | 16,000 | 410,000 | 41,000 | 1,500 | 1,500 | 430 | 230 | 230 | 4 | 230 | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| tert-Butylbenzene | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Tetrachloroethene | 12 | 110 | 2,400 | 11 | 20 | 28 | 0.24 | 1.7 | 0.06 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Tetrahydrofuran | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| trans-1,2-Dichloroethene | 1,600 | 41,000 | 41,000 | 3,100 | 3,100 | 3,100 | 10 | 63 | 0.7 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| trans-1,3-Dichloropropene | 6.4 | 57 | 1,200 | 1.1 | 2.1 | 0.39 | --- | --- | 0.004 | --- | | <0.0041 | <0.004 | <0.0042 | <0.0038 | <0.0044 | <0.0036 |
| Trichloroethene | 58 | 520 | 1,200 | 5 | 8.9 | 12 | 0.26 | 1.9 | 0.06 | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Trichlorofluoromethane | 23,000 [2] | 610,000 [2] | 140,000 [2] | 850 [2] | 1,400 [2] | 88 [2] | 31 | 190 | 34 [2] | --- | | <0.0052 | <0.005 | <0.0052 | <0.0047 | <0.0055 | <0.0045 |
| Vinyl acetate | 78,000 | 1,000,000 | 200,000 | 1,000 | 1,600 | 10 | 270 | 1,600 | 170 [2] | --- | | <0.0517 | <0.0497 | <0.0522 | <0.0471 | <0.0553 | <0.0448 |
| Vinyl chloride | 0.46 | 7.9 | 170 | 0.28 | 1.1 | 1.1 | 0.011 | 0.15 | 0.01 | --- | | <0.0021 | <0.002 | <0.0021 | <0.0019 | <0.0022 | <0.0018 |

Notes:

[1] Objectives are for Class I Groundwater.

[2] Non-TACO or provisional ROs provided by the IEPA.

'--- No objective has been published for this constituent by the IEPA, or the sample was not analyzed for this constituent.

J Analyte detected below reporting limits.

Concentration exceeds one or more project remediation objective.

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


February 16, 2010

Pete Sazama
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-0230
TEL: (618) 281-7173
FAX: (618) 281-5120

NELAP Accredited #100226

**RE:** A831-735002-012901-225/Ameren Champaign 6249080120

**WorkOrder:** 10020251

Dear Pete Sazama:

TEKLAB, INC received 6 samples on 2/4/2010 11:45:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Heather A. White

Heather A. White
Project Manager
(618)344-1004 ex 20

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

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## SAMPLE SUMMARY

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251
**Report Date:** 16-Feb-10

| Lab Sample ID | Client Sample ID | Fractions | Collection Date |
|---|---|---|---|
| 10020251-001 | UMW-106R(5) | 4 | 2/1/2010 3:45:00 PM |
| 10020251-002 | UMW-106R(1-2) | 4 | 2/1/2010 3:30:00 PM |
| 10020251-003 | UMW-123(3-4) | 4 | 2/2/2010 10:50:00 AM |
| 10020251-004 | UMW-123(6-7) | 4 | 2/2/2010 11:00:00 AM |
| 10020251-005 | UMW-122(2-3) | 4 | 2/3/2010 9:00:00 AM |
| 10020251-006 | UMW-122(6-7) | 4 | 2/3/2010 9:20:00 AM |

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


**Client:** PSC Industrial Outsourcing, LP

## CASE NARRATIVE

**Project:** A831-735002-012901-225/Ameren Champaign 6249080120

**LabOrder:** 10020251

**Report Date:** 16-Feb-10

**Cooler Receipt Temp:** 2.0 °C

**State accreditations:**

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

**Qualifiers**

| | | |
|---|---|---|
| **DF** - Dilution Factor | **B** - Analyte detected in the associated Method Blank | **C** - Client requested RL below PQL |
| **RL** - Reporting Limit | **J** - Analyte detected below reporting limits | **D** - Diluted out of sample |
| **ND** - Not Detected at the Reporting Limit | **R** - RPD outside accepted recovery limits | **E** - Value above quantitation range |
| **Surr** - Surrogate Standard added by lab | **S** - Spike Recovery outside accepted recovery limits | **H** - Holding time exceeded |
| **TNTC** - Too numerous to count ( > 200 CFU ) | X - Value exceeds Maximum Contaminant Level | **MI** - Matrix interference |
| **Q** - QC criteria failed or noncompliant CCV | # - Unknown hydrocarbon | **DNI** - Did not ignite |
| **NELAP** - IL ELAP and NELAP Accredited Field of Testing | **IDPH** - IL Dept. of Public Health | |

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ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-106R(5)
**Lab ID:** 10020251-001
**Collection Date:** 2/1/2010 3:45:00 PM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **20.1** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **79.9** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Acenaphthylene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.004 | | **0.008** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.004 | | **0.006** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.004 | | **0.008** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.004 | | **0.005** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.083 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Chrysene | NELAP | 0.004 | | **0.006** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Fluoranthene | NELAP | 0.004 | | **0.009** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Fluorene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.004 | J | **0.004** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Naphthalene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Phenanthrene | NELAP | 0.004 | | **0.005** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Pyrene | NELAP | 0.004 | | **0.009** | mg/Kg-dry | 1 | 2/8/2010 5:33:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **54.4** | %REC | 1 | 2/8/2010 5:33:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **58.3** | %REC | 1 | 2/8/2010 5:33:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **81.4** | %REC | 1 | 2/8/2010 5:33:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1,1-Trichloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1,2-Trichloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1-Dichloro-2-propanone | | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1-Dichloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1-Dichloroethene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,1-Dichloropropene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2,3-Trichloropropane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2,3-Trimethylbenzene | | 5.0 | J | **1.1** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-001
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-106R(5)
**Collection Date:** 2/1/2010 3:45:00 PM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 5.0 | J | **3.2** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2-Dibromoethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2-Dichlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2-Dichloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,2-Dichloropropane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,3-Dichlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,3-Dichloropropane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1,4-Dichlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 1-Chlorobutane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 2,2-Dichloropropane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 2-Butanone | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 2-Chlorotoluene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 2-Hexanone | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 2-Nitropropane | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 4-Chlorotoluene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| 4-Methyl-2-pentanone | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Acetone | NELAP | 49.7 | J | **33** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Acrolein | NELAP | 99.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Acrylonitrile | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Allyl chloride | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Benzene | NELAP | 1.0 | | **3.4** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Bromobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Bromochloromethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Bromodichloromethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Bromoform | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Bromomethane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Carbon disulfide | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Carbon tetrachloride | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Chlorobenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Chloroethane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Chloroform | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Chloromethane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| cis-1,2-Dichloroethene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| cis-1,3-Dichloropropene | NELAP | 4.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Cyclohexanone | | 99.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Dibromochloromethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-001
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-106R(5)
**Collection Date:** 2/1/2010 3:45:00 PM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Dichlorodifluoromethane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Ethyl acetate | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Ethyl ether | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Ethyl methacrylate | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Ethylbenzene | NELAP | 5.0 | J | **3.7** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Heptane | | 19.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Hexachlorobutadiene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Hexachloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Iodomethane | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Isopropylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| m,p-Xylenes | NELAP | 5.0 | | **5.2** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Methacrylonitrile | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Methyl Methacrylate | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Methyl tert-butyl ether | NELAP | 2.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Methylacrylate | | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Methylene chloride | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Naphthalene | NELAP | 9.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| n-Butylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| n-Hexane | | 19.9 | J | **11** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Nitrobenzene | NELAP | 99.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| n-Propylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| o-Xylene | NELAP | 5.0 | J | **2.3** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Pentachloroethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| p-Isopropyltoluene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Propionitrile | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| sec-Butylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Styrene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| tert-Butylbenzene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Tetrachloroethene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Tetrahydrofuran | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Toluene | NELAP | 5.0 | | **8.7** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| trans-1,2-Dichloroethene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| trans-1,3-Dichloropropene | NELAP | 4.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Trichloroethene | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Trichlorofluoromethane | NELAP | 5.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Vinyl acetate | NELAP | 49.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |
| Vinyl chloride | NELAP | 2.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:03:00 AM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-106R(5)
**Lab ID:** 10020251-001
**Collection Date:** 2/1/2010 3:45:00 PM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **123.0** | %REC | 1 | 2/6/2010 5:03:00 AM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **98.8** | %REC | 1 | 2/6/2010 5:03:00 AM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **108.5** | %REC | 1 | 2/6/2010 5:03:00 AM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **99.9** | %REC | 1 | 2/6/2010 5:03:00 AM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | | **< 0.01** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-106R(1-2)
**Lab ID:** 10020251-002
**Collection Date:** 2/1/2010 3:30:00 PM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **18.9** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **81.1** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.004 | | **0.004** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Acenaphthylene | NELAP | 0.004 | | **0.038** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Anthracene | NELAP | 0.004 | | **0.044** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.004 | | **0.280** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.004 | | **0.333** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.004 | | **0.441** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.004 | | **0.222** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.004 | | **0.159** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.084 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Chrysene | NELAP | 0.004 | | **0.295** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.004 | | **0.064** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Fluoranthene | NELAP | 0.004 | | **0.506** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Fluorene | NELAP | 0.004 | | **0.011** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.004 | | **0.206** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Naphthalene | NELAP | 0.004 | | **0.017** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Phenanthrene | NELAP | 0.004 | | **0.168** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Pyrene | NELAP | 0.004 | | **0.422** | mg/Kg-dry | 1 | 2/8/2010 6:09:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **54.9** | %REC | 1 | 2/8/2010 6:09:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **61.9** | %REC | 1 | 2/8/2010 6:09:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **72.6** | %REC | 1 | 2/8/2010 6:09:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1,1-Trichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1,2-Trichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1-Dichloro-2-propanone | | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1-Dichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,1-Dichloropropene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2,3-Trichloropropane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2,3-Trimethylbenzene | | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-106R(1-2)
**Lab ID:** 10020251-002
**Collection Date:** 2/1/2010 3:30:00 PM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2-Dibromoethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2-Dichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,2-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,3-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,3-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1,4-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 1-Chlorobutane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 2,2-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 2-Butanone | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 2-Chlorotoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 2-Hexanone | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 2-Nitropropane | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 4-Chlorotoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| 4-Methyl-2-pentanone | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Acetone | NELAP | 51.7 | J | **46** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Acrolein | NELAP | 103 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Acrylonitrile | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Allyl chloride | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Benzene | NELAP | 1.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Bromobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Bromochloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Bromodichloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Bromoform | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Bromomethane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Carbon disulfide | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Carbon tetrachloride | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Chlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Chloroethane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Chloroform | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Chloromethane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| cis-1,2-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| cis-1,3-Dichloropropene | NELAP | 4.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Cyclohexanone | | 103 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Dibromochloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |

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COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-002
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-106R(1-2)
**Collection Date:** 2/1/2010 3:30:00 PM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Dichlorodifluoromethane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Ethyl acetate | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Ethyl ether | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Ethyl methacrylate | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Ethylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Heptane | | 20.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Hexachlorobutadiene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Hexachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Iodomethane | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Isopropylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| m,p-Xylenes | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Methacrylonitrile | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Methyl Methacrylate | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Methyl tert-butyl ether | NELAP | 2.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Methylacrylate | | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Methylene chloride | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Naphthalene | NELAP | 10.3 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| n-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| n-Hexane | | 20.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Nitrobenzene | NELAP | 103 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| n-Propylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| o-Xylene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Pentachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| p-Isopropyltoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Propionitrile | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| sec-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Styrene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| tert-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Tetrachloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Tetrahydrofuran | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Toluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| trans-1,2-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| trans-1,3-Dichloropropene | NELAP | 4.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Trichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Trichlorofluoromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Vinyl acetate | NELAP | 51.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |
| Vinyl chloride | NELAP | 2.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 5:32:00 AM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-106R(1-2)
**Lab ID:** 10020251-002
**Collection Date:** 2/1/2010 3:30:00 PM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **124.9** | %REC | 1 | 2/6/2010 5:32:00 AM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **98.5** | %REC | 1 | 2/6/2010 5:32:00 AM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **110.2** | %REC | 1 | 2/6/2010 5:32:00 AM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **101.7** | %REC | 1 | 2/6/2010 5:32:00 AM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | J | **0.01** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(3-4)
**Lab ID:** 10020251-003
**Collection Date:** 2/2/2010 10:50:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **21.6** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **78.4** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Acenaphthylene | NELAP | 0.004 | | **0.009** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Anthracene | NELAP | 0.004 | | **0.011** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.004 | | **0.063** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.004 | | **0.075** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.004 | | **0.105** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.004 | | **0.052** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.004 | | **0.034** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.084 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Chrysene | NELAP | 0.004 | | **0.069** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.004 | | **0.014** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Fluoranthene | NELAP | 0.004 | | **0.122** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Fluorene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.004 | | **0.048** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Naphthalene | NELAP | 0.004 | | **0.005** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Phenanthrene | NELAP | 0.004 | | **0.051** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Pyrene | NELAP | 0.004 | | **0.103** | mg/Kg-dry | 1 | 2/8/2010 6:45:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **66.2** | %REC | 1 | 2/8/2010 6:45:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **67.8** | %REC | 1 | 2/8/2010 6:45:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **78.6** | %REC | 1 | 2/8/2010 6:45:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1,1-Trichloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1,2-Trichloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1-Dichloro-2-propanone | | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1-Dichloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1-Dichloroethene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,1-Dichloropropene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2,3-Trichloropropane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2,3-Trimethylbenzene | | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-003
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-123(3-4)
**Collection Date:** 2/2/2010 10:50:00 AM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2-Dibromoethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2-Dichlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2-Dichloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,2-Dichloropropane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,3-Dichlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,3-Dichloropropane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1,4-Dichlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 1-Chlorobutane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 2,2-Dichloropropane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 2-Butanone | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 2-Chlorotoluene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 2-Hexanone | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 2-Nitropropane | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 4-Chlorotoluene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| 4-Methyl-2-pentanone | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Acetone | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Acrolein | NELAP | 111 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Acrylonitrile | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Allyl chloride | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Benzene | NELAP | 1.1 | | **1.4** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Bromobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Bromochloromethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Bromodichloromethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Bromoform | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Bromomethane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Carbon disulfide | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Carbon tetrachloride | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Chlorobenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Chloroethane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Chloroform | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Chloromethane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| cis-1,2-Dichloroethene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| cis-1,3-Dichloropropene | NELAP | 4.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Cyclohexanone | | 111 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Dibromochloromethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(3-4)
**Lab ID:** 10020251-003
**Collection Date:** 2/2/2010 10:50:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Dichlorodifluoromethane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Ethyl acetate | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Ethyl ether | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Ethyl methacrylate | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Ethylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Heptane | | 22.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Hexachlorobutadiene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Hexachloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Iodomethane | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Isopropylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| m,p-Xylenes | NELAP | 5.5 | J | **1.7** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Methacrylonitrile | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Methyl Methacrylate | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Methyl tert-butyl ether | NELAP | 2.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Methylacrylate | | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Methylene chloride | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Naphthalene | NELAP | 11.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| n-Butylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| n-Hexane | | 22.1 | J | **2.7** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Nitrobenzene | NELAP | 111 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| n-Propylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| o-Xylene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Pentachloroethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| p-Isopropyltoluene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Propionitrile | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| sec-Butylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Styrene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| tert-Butylbenzene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Tetrachloroethene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Tetrahydrofuran | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Toluene | NELAP | 5.5 | J | **2.0** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| trans-1,2-Dichloroethene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| trans-1,3-Dichloropropene | NELAP | 4.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Trichloroethene | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Trichlorofluoromethane | NELAP | 5.5 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Vinyl acetate | NELAP | 55.3 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |
| Vinyl chloride | NELAP | 2.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 12:47:00 PM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(3-4)
**Lab ID:** 10020251-003
**Collection Date:** 2/2/2010 10:50:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **101.1** | %REC | 1 | 2/9/2010 12:47:00 PM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **100.9** | %REC | 1 | 2/9/2010 12:47:00 PM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **99.3** | %REC | 1 | 2/9/2010 12:47:00 PM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **96.7** | %REC | 1 | 2/9/2010 12:47:00 PM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | | **0.04** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(6-7)
**Lab ID:** 10020251-004
**Collection Date:** 2/2/2010 11:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **14.2** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **85.8** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Acenaphthylene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.004 | | **0.004** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.004 | | **0.004** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.077 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Chrysene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Fluorene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Naphthalene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Phenanthrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Pyrene | NELAP | 0.004 | J | **0.004** | mg/Kg-dry | 1 | 2/8/2010 7:21:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **55.3** | %REC | 1 | 2/8/2010 7:21:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **61.6** | %REC | 1 | 2/8/2010 7:21:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **76.1** | %REC | 1 | 2/8/2010 7:21:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1,1-Trichloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1,2-Trichloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1-Dichloro-2-propanone | | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1-Dichloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1-Dichloroethene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,1-Dichloropropene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2,3-Trichloropropane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2,3-Trimethylbenzene | | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(6-7)
**Lab ID:** 10020251-004
**Collection Date:** 2/2/2010 11:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 4.5 | J | **1.7** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2-Dibromoethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2-Dichlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2-Dichloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,2-Dichloropropane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,3-Dichlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,3-Dichloropropane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1,4-Dichlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 1-Chlorobutane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 2,2-Dichloropropane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 2-Butanone | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 2-Chlorotoluene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 2-Hexanone | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 2-Nitropropane | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 4-Chlorotoluene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| 4-Methyl-2-pentanone | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Acetone | NELAP | 44.8 | J | **27** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Acrolein | NELAP | 89.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Acrylonitrile | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Allyl chloride | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Benzene | NELAP | 0.9 | | **3.2** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Bromobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Bromochloromethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Bromodichloromethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Bromoform | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Bromomethane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Carbon disulfide | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Carbon tetrachloride | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Chlorobenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Chloroethane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Chloroform | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Chloromethane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| cis-1,2-Dichloroethene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| cis-1,3-Dichloropropene | NELAP | 3.6 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Cyclohexanone | | 89.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Dibromochloromethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(6-7)
**Lab ID:** 10020251-004
**Collection Date:** 2/2/2010 11:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Dichlorodifluoromethane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Ethyl acetate | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Ethyl ether | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Ethyl methacrylate | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Ethylbenzene | NELAP | 4.5 | J | **2.3** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Heptane | | 17.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Hexachlorobutadiene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Hexachloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Iodomethane | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Isopropylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| m,p-Xylenes | NELAP | 4.5 | J | **3.3** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Methacrylonitrile | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Methyl Methacrylate | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Methyl tert-butyl ether | NELAP | 1.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Methylacrylate | | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Methylene chloride | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Naphthalene | NELAP | 9.0 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| n-Butylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| n-Hexane | | 17.9 | J | **8.6** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Nitrobenzene | NELAP | 89.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| n-Propylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| o-Xylene | NELAP | 4.5 | J | **1.4** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Pentachloroethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| p-Isopropyltoluene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Propionitrile | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| sec-Butylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Styrene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| tert-Butylbenzene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Tetrachloroethene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Tetrahydrofuran | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Toluene | NELAP | 4.5 | | **6.6** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| trans-1,2-Dichloroethene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| trans-1,3-Dichloropropene | NELAP | 3.6 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Trichloroethene | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Trichlorofluoromethane | NELAP | 4.5 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Vinyl acetate | NELAP | 44.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |
| Vinyl chloride | NELAP | 1.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 6:28:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-123(6-7)
**Lab ID:** 10020251-004
**Collection Date:** 2/2/2010 11:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **125.1** | %REC | 1 | 2/6/2010 6:28:00 AM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **98.1** | %REC | 1 | 2/6/2010 6:28:00 AM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **110.7** | %REC | 1 | 2/6/2010 6:28:00 AM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **100.4** | %REC | 1 | 2/6/2010 6:28:00 AM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | | **< 0.01** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

# TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-122(2-3)
**Lab ID:** 10020251-005
**Collection Date:** 2/3/2010 9:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **23.0** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **77.0** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Acenaphthylene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Anthracene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.022 | | **0.029** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.022 | | **0.029** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.429 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Chrysene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Fluoranthene | NELAP | 0.022 | | **0.027** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Fluorene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Naphthalene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Phenanthrene | NELAP | 0.022 | | **ND** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Pyrene | NELAP | 0.022 | | **0.027** | mg/Kg-dry | 5 | 2/8/2010 7:57:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **53.6** | %REC | 5 | 2/8/2010 7:57:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **61.4** | %REC | 5 | 2/8/2010 7:57:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **61.4** | %REC | 5 | 2/8/2010 7:57:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1,1-Trichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1,2-Trichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1-Dichloro-2-propanone | | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1-Dichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,1-Dichloropropene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2,3-Trichloropropane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2,3-Trimethylbenzene | | 5.2 | J | **1.3** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-005
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-122(2-3)
**Collection Date:** 2/3/2010 9:00:00 AM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 5.2 | J | **1.8** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2-Dibromoethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2-Dichloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,2-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,3-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,3-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1,4-Dichlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 1-Chlorobutane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 2,2-Dichloropropane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 2-Butanone | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 2-Chlorotoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 2-Hexanone | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 2-Nitropropane | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 4-Chlorotoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| 4-Methyl-2-pentanone | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Acetone | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Acrolein | NELAP | 104 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Acrylonitrile | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Allyl chloride | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Benzene | NELAP | 1.0 | | **17.2** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Bromobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Bromochloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Bromodichloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Bromoform | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Bromomethane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Carbon disulfide | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Carbon tetrachloride | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Chlorobenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Chloroethane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Chloroform | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Chloromethane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| cis-1,2-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| cis-1,3-Dichloropropene | NELAP | 4.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Cyclohexanone | | 104 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Dibromochloromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

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FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-005
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-122(2-3)
**Collection Date:** 2/3/2010 9:00:00 AM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Dichlorodifluoromethane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Ethyl acetate | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Ethyl ether | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Ethyl methacrylate | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Ethylbenzene | NELAP | 5.2 | | **5.6** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Heptane | | 20.9 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Hexachlorobutadiene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Hexachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Iodomethane | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Isopropylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| m,p-Xylenes | NELAP | 5.2 | | **16.7** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Methacrylonitrile | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Methyl Methacrylate | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Methyl tert-butyl ether | NELAP | 2.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Methylacrylate | | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Methylene chloride | NELAP | 5.2 | J | **2.6** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Naphthalene | NELAP | 10.4 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| n-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| n-Hexane | | 20.9 | J | **3.9** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Nitrobenzene | NELAP | 104 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| n-Propylbenzene | NELAP | 5.2 | J | **1.1** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| o-Xylene | NELAP | 5.2 | | **6.1** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Pentachloroethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| p-Isopropyltoluene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Propionitrile | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| sec-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Styrene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| tert-Butylbenzene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Tetrachloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Tetrahydrofuran | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Toluene | NELAP | 5.2 | | **23.5** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| trans-1,2-Dichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| trans-1,3-Dichloropropene | NELAP | 4.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Trichloroethene | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Trichlorofluoromethane | NELAP | 5.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Vinyl acetate | NELAP | 52.2 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |
| Vinyl chloride | NELAP | 2.1 | | **ND** | µg/Kg-dry | 1 | 2/9/2010 1:16:00 PM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-122(2-3)
**Lab ID:** 10020251-005
**Collection Date:** 2/3/2010 9:00:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **102.7** | %REC | 1 | 2/9/2010 1:16:00 PM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **92.9** | %REC | 1 | 2/9/2010 1:16:00 PM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **100.6** | %REC | 1 | 2/9/2010 1:16:00 PM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **107.1** | %REC | 1 | 2/9/2010 1:16:00 PM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | | **0.01** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS

Elevated reporting limit due to high levels of target and/or non-target analytes.

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## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-122(6-7)
**Lab ID:** 10020251-006
**Collection Date:** 2/3/2010 9:20:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **EPA SW846 3550C, 5035A, ASTM D2974** | | | | | | | | |
| Percent Moisture | | 0.1 | | **18.1** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **STANDARD METHODS 18TH ED. 2540 G** | | | | | | | | |
| Total Solids | | 0.1 | | **81.9** | % | 1 | 2/5/2010 1:15:00 PM | MK |
| **SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Acenaphthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Acenaphthylene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Benzo(a)anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Benzo(a)pyrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Benzo(b)fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Benzo(g,h,i)perylene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Benzo(k)fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Bis(2-ethylhexyl)phthalate | NELAP | 0.082 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Chrysene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Dibenzo(a,h)anthracene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Fluoranthene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Fluorene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Indeno(1,2,3-cd)pyrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Naphthalene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Phenanthrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Pyrene | NELAP | 0.004 | | **ND** | mg/Kg-dry | 1 | 2/8/2010 8:34:00 PM | MAM |
| Surr: 2-Fluorobiphenyl | | 10-131 | | **70.7** | %REC | 1 | 2/8/2010 8:34:00 PM | MAM |
| Surr: Nitrobenzene-d5 | | 10-132 | | **74.5** | %REC | 1 | 2/8/2010 8:34:00 PM | MAM |
| Surr: p-Terphenyl-d14 | | 30.6-131 | | **90.4** | %REC | 1 | 2/8/2010 8:34:00 PM | MAM |
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1,1-Trichloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1,2,2-Tetrachloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1,2-Trichloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1-Dichloro-2-propanone | | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1-Dichloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1-Dichloroethene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,1-Dichloropropene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2,3-Trichlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2,3-Trichloropropane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2,3-Trimethylbenzene | | 4.7 | J | **1.3** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2,4-Trichlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |

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ENVIRONMENTAL TESTING LABORATORY

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FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-006
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-122(6-7)
**Collection Date:** 2/3/2010 9:20:00 AM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| 1,2,4-Trimethylbenzene | NELAP | 4.7 | J | **3.3** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2-Dibromo-3-chloropropane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2-Dibromoethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2-Dichlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2-Dichloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,2-Dichloropropane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,3,5-Trimethylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,3-Dichlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,3-Dichloropropane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1,4-Dichlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 1-Chlorobutane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 2,2-Dichloropropane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 2-Butanone | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 2-Chlorotoluene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 2-Hexanone | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 2-Nitropropane | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 4-Chlorotoluene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| 4-Methyl-2-pentanone | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Acetone | NELAP | 47.1 | J | **35** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Acrolein | NELAP | 94.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Acrylonitrile | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Allyl chloride | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Benzene | NELAP | 0.9 | | **2.4** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Bromobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Bromochloromethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Bromodichloromethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Bromoform | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Bromomethane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Carbon disulfide | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Carbon tetrachloride | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Chlorobenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Chloroethane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Chloroform | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Chloromethane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| cis-1,2-Dichloroethene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| cis-1,3-Dichloropropene | NELAP | 3.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Cyclohexanone | | 94.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Dibromochloromethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |

# TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**WorkOrder:** 10020251
**Lab ID:** 10020251-006
**Report Date:** 16-Feb-10

**Client Project:** A831-735002-012901-225/Ameren C
**Client Sample ID:** UMW-122(6-7)
**Collection Date:** 2/3/2010 9:20:00 AM
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Dibromomethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Dichlorodifluoromethane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Ethyl acetate | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Ethyl ether | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Ethyl methacrylate | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Ethylbenzene | NELAP | 4.7 | J | **2.5** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Heptane | | 18.8 | J | **4.4** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Hexachlorobutadiene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Hexachloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Iodomethane | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Isopropylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| m,p-Xylenes | NELAP | 4.7 | J | **4.2** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Methacrylonitrile | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Methyl Methacrylate | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Methyl tert-butyl ether | NELAP | 1.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Methylacrylate | | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Methylene chloride | NELAP | 4.7 | J | **1.0** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Naphthalene | NELAP | 9.4 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| n-Butylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| n-Hexane | | 18.8 | J | **4.7** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Nitrobenzene | NELAP | 94.2 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| n-Propylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| o-Xylene | NELAP | 4.7 | J | **2.0** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Pentachloroethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| p-Isopropyltoluene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Propionitrile | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| sec-Butylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Styrene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| tert-Butylbenzene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Tetrachloroethene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Tetrahydrofuran | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Toluene | NELAP | 4.7 | | **5.9** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| trans-1,2-Dichloroethene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| trans-1,3-Dichloropropene | NELAP | 3.8 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Trichloroethene | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Trichlorofluoromethane | NELAP | 4.7 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Vinyl acetate | NELAP | 47.1 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |
| Vinyl chloride | NELAP | 1.9 | | **ND** | µg/Kg-dry | 1 | 2/6/2010 7:24:00 AM | RWE |

# TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## LABORATORY RESULTS

**Client:** PSC Industrial Outsourcing, LP
**Client Project:** A831-735002-012901-225/Ameren C
**WorkOrder:** 10020251
**Client Sample ID:** UMW-122(6-7)
**Lab ID:** 10020251-006
**Collection Date:** 2/3/2010 9:20:00 AM
**Report Date:** 16-Feb-10
**Matrix:** SOLID

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|
| **SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS** | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | 61-128 | | **119.6** | %REC | 1 | 2/6/2010 7:24:00 AM | RWE |
| Surr: 4-Bromofluorobenzene | | 78.2-117 | | **97.4** | %REC | 1 | 2/6/2010 7:24:00 AM | RWE |
| Surr: Dibromofluoromethane | | 66.6-130 | | **110.5** | %REC | 1 | 2/6/2010 7:24:00 AM | RWE |
| Surr: Toluene-d8 | | 80.1-122 | | **100.7** | %REC | 1 | 2/6/2010 7:24:00 AM | RWE |
| **SW-846 9012A (TOTAL)** | | | | | | | | |
| Cyanide | NELAP | 0.01 | | **< 0.01** | mg/Kg-dry | 1 | 2/12/2010 5:12:19 PM | RCE |

**Sample Narrative**

# TEKLAB, INC.

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ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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**Client:** PSC Industrial Outsourcing, LP

## DATES REPORT

**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251
**Report Date:** 16-Feb-10

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Prep Date/Time | Analysis Date/Time |
|---|---|---|---|---|---|---|
| 10020251-001A | UMW-106R(5) | 2/1/2010 | Solid | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |
| | | | | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 5:33:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-001D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 5:03:00 AM |
| 10020251-002A | UMW-106R(1-2) | | | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |
| | | | | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 6:09:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-002D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 5:32:00 AM |
| 10020251-003A | UMW-123(3-4) | 2/2/2010 | | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |
| | | | | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 6:45:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-003D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 6:00:00 AM |
| | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/9/2010 12:47:00 PM |
| 10020251-004A | UMW-123(6-7) | | | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |
| | | | | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 7:21:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-004D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 6:28:00 AM |
| 10020251-005A | UMW-122(2-3) | 2/3/2010 | | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |

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**Client:** PSC Industrial Outsourcing, LP

## DATES REPORT

**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251
**Report Date:** 16-Feb-10

| Sample ID | Client Sample ID | Collection Date | Matrix | Test Name | Prep Date/Time | Analysis Date/Time |
|---|---|---|---|---|---|---|
| 10020251-005A | UMW-122(2-3) | 2/3/2010 | Solid | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 7:57:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-005D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 6:56:00 AM |
| | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/9/2010 1:16:00 PM |
| 10020251-006A | UMW-122(6-7) | | | EPA SW846 3550C, 5035A, ASTM D2974 | | 2/5/2010 1:15:00 PM |
| | | | | Standard Methods 18th Ed. 2540 G | | 2/5/2010 1:15:00 PM |
| | | | | SW-846 3550B, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS | 2/5/2010 5:43:21 PM | 2/8/2010 8:34:00 PM |
| | | | | SW-846 9012A (Total) | | 2/12/2010 5:12:19 PM |
| 10020251-006D | | | | SW-846 5035, 8260B, Volatile Organic Compounds by GC/MS | | 2/6/2010 7:24:00 AM |

# ANALYTICAL QC SUMMARY REPORT

## Key QC concepts:

**CCV** Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

**DF** Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

**DUP** Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot. (NELAC)

**ICV** Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

**LCS** Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. (NELAC) The acceptable recovery range is listed in this report.

**LCSD** Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.

**MS** Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in this report.

**MSD** Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in this report.

**MDL** Method detection limit or limit of detection (LOD) means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

**MB/LCB** Method blank or lab control blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses. (NELAC)

**PQL** Practical quantitation limit or limit of quantitation (LOQ) means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in this report.

**RL** The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

**RPD** Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in this report.

**SPK** The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes. (NELAC)

**Surr** Surrogates are an organic compound which is similar to the analytes of interest in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples.

**Qualifiers**

| | | | |
|---|---|---|---|
| **DF** - Dilution Factor | **B** - Analyte detected in the associated Method Blank | **C** - Client requested RL below PQL | **MI** - Matrix interference |
| **RL** - Reporting Limit | **J** - Analyte detected below reporting limits | **D** - Diluted out of sample | **DNI** - Did not ignite |
| **ND** - Not Detected at the Reporting Limit | **R** - RPD outside accepted recovery limits | **IDPH** - IL Dept. of Public Health | **E** - Value above quantitation range |
| **Surr** - Surrogate Standard added by lab | **S** - Spike Recovery outside accepted recovery limits | **Q** - QC criteria failed | **H** - Holding time exceeded |
| **TNTC** - Too numerous to count ( > 200 CFU ) | X - Value exceeds Maximum Contaminant Level | # - Unknown hydrocarbon | **NELAP** - IL ELAP and NELAP Accredited |

# ANALYTICAL QC SUMMARY REPORT

**TestCode: A_TCND_S_MT_9012A**

| Sample ID: **MB-R132259** | SampType: **MBLK** | Units: **mg/Kg** | Prep Date: | RunNo: **132259** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **R132259** | | Analysis Date: **2/12/2010** | SeqNo: **2520963** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | < 0.01 | 0.01 | | | | | | | | | |

| Sample ID: **LCS-R132259** | SampType: **LCS** | Units: **mg/Kg** | Prep Date: | RunNo: **132259** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **R132259** | | Analysis Date: **2/12/2010** | SeqNo: **2520964** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.10 | 0.01 | 0.1000 | 0 | 98.2 | 90 | 110 | | | | |

| Sample ID: **10020251-006AMS** | SampType: **MS** | Units: **mg/Kg-dry** | Prep Date: | RunNo: **132259** |
|---|---|---|---|---|
| Client ID: **UMW-122(6-7)MS** | Batch ID: **R132259** | | Analysis Date: **2/12/2010** | SeqNo: **2520987** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.06 | 0.01 | 0.06104 | 0 | 99.2 | 75 | 125 | | | | |

| Sample ID: **10020251-006AMSD** | SampType: **MSD** | Units: **mg/Kg-dry** | Prep Date: | RunNo: **132259** |
|---|---|---|---|---|
| Client ID: **UMW-122(6-7)MSD** | Batch ID: **R132259** | | Analysis Date: **2/12/2010** | SeqNo: **2520988** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.06 | 0.01 | 0.06104 | 0 | 94.1 | 75 | 125 | 0.06055 | 5.29 | 15 | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** I_TS_M_MT

| Sample ID: **LCS-R131972** | SampType: **LCS** | Units: **%** | Prep Date: | RunNo: **131972** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **R131972** | | Analysis Date: **2/5/2010** | SeqNo: **2511668** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Solids | 1.0 | 0.1 | 1.000 | 0 | 100 | 90 | 110 | | | | |

| Sample ID: **10020251-002ADUP** | SampType: **DUP** | Units: **%** | Prep Date: | RunNo: **131972** |
|---|---|---|---|---|
| Client ID: **UMW-106R(1-2)DUP** | Batch ID: **R131972** | | Analysis Date: **2/5/2010** | SeqNo: **2511709** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Solids | 80.3 | 0.1 | | | | | | 81.06 | 0.930 | 15 | |

| Sample ID: **LCSQC** | SampType: **LCSQC** | Units: **%** | Prep Date: | RunNo: **131972** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **R131972** | | Analysis Date: **2/5/2010** | SeqNo: **2511807** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Solids | 1.0 | 0.1 | 1.000 | 0 | 99.0 | 90 | 110 | | | | |

# ANALYTICAL QC SUMMARY REPORT

**TestCode: SV_8270S_S_SIMS**

| Sample ID: **MB-58255** | SampType: **MBLK** | Units: **mg/Kg** | Prep Date: **2/5/2010** | RunNo: **131949** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58255** | **SW3550B** | Analysis Date: **2/5/2010** | SeqNo: **2511417** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | ND | 0.003 | | | | | | | | | |
| Acenaphthylene | ND | 0.003 | | | | | | | | | |
| Anthracene | ND | 0.003 | | | | | | | | | |
| Benzo(a)anthracene | ND | 0.003 | | | | | | | | | |
| Benzo(a)pyrene | ND | 0.003 | | | | | | | | | |
| Benzo(b)fluoranthene | ND | 0.003 | | | | | | | | | |
| Benzo(g,h,i)perylene | ND | 0.003 | | | | | | | | | |
| Benzo(k)fluoranthene | ND | 0.003 | | | | | | | | | |
| Bis(2-ethylhexyl)phthalate | ND | 0.067 | | | | | | | | | |
| Chrysene | ND | 0.003 | | | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.003 | | | | | | | | | |
| Fluoranthene | ND | 0.003 | | | | | | | | | |
| Fluorene | ND | 0.003 | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.003 | | | | | | | | | |
| Naphthalene | ND | 0.003 | | | | | | | | | |
| Phenanthrene | ND | 0.003 | | | | | | | | | |
| Pyrene | ND | 0.003 | | | | | | | | | |
| Surr: 2-Fluorobiphenyl | 0.587 | | 0.8330 | | 70.5 | 17.5 | 123 | | | | |
| Surr: Nitrobenzene-d5 | 0.581 | | 0.8330 | | 69.7 | 35 | 105 | | | | |
| Surr: p-Terphenyl-d14 | 0.602 | | 0.8330 | | 72.3 | 53.6 | 122 | | | | |

| Sample ID: **LCS-58255** | SampType: **LCS** | Units: **mg/Kg** | Prep Date: **2/5/2010** | RunNo: **131949** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58255** | **SW3550B** | Analysis Date: **2/5/2010** | SeqNo: **2511418** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acenaphthene | 0.139 | 0.003 | 0.1670 | 0 | 83.2 | 56.3 | 115 | | | | |
| Acenaphthylene | 0.135 | 0.003 | 0.1670 | 0 | 80.6 | 60.3 | 143 | | | | |
| Anthracene | 0.145 | 0.003 | 0.1670 | 0 | 86.8 | 52.1 | 109 | | | | |
| Benzo(a)anthracene | 0.139 | 0.003 | 0.1670 | 0 | 83.1 | 52.8 | 112 | | | | |
| Benzo(a)pyrene | 0.154 | 0.003 | 0.1670 | 0 | 92.4 | 40.8 | 127 | | | | |
| Benzo(b)fluoranthene | 0.158 | 0.003 | 0.1670 | 0 | 94.5 | 50.1 | 150 | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: SV_8270S_S_SIMS**

| Sample ID: **LCS-58255** | SampType: **LCS** | Units: **mg/Kg** | Prep Date: **2/5/2010** | RunNo: **131949** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58255** | **SW3550B** | Analysis Date: **2/5/2010** | SeqNo: **2511418** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(g,h,i)perylene | 0.158 | 0.003 | 0.1670 | 0 | 94.6 | 52.8 | 145 | | | | |
| Benzo(k)fluoranthene | 0.157 | 0.003 | 0.1670 | 0 | 93.9 | 52 | 153 | | | | |
| Bis(2-ethylhexyl)phthalate | 0.185 | 0.067 | 0.1670 | 0 | 111.0 | 50 | 150 | | | | |
| Chrysene | 0.149 | 0.003 | 0.1670 | 0 | 89.1 | 60.8 | 128 | | | | |
| Dibenzo(a,h)anthracene | 0.153 | 0.003 | 0.1670 | 0 | 91.7 | 54.9 | 150 | | | | |
| Fluoranthene | 0.152 | 0.003 | 0.1670 | 0 | 91.2 | 58.7 | 125 | | | | |
| Fluorene | 0.148 | 0.003 | 0.1670 | 0 | 88.7 | 57.8 | 125 | | | | |
| Indeno(1,2,3-cd)pyrene | 0.154 | 0.003 | 0.1670 | 0 | 92.5 | 52 | 147 | | | | |
| Naphthalene | 0.124 | 0.003 | 0.1670 | 0 | 74.5 | 54.8 | 113 | | | | |
| Phenanthrene | 0.146 | 0.003 | 0.1670 | 0 | 87.7 | 60.4 | 121 | | | | |
| Pyrene | 0.145 | 0.003 | 0.1670 | 0 | 86.7 | 57.9 | 129 | | | | |
| Surr: 2-Fluorobiphenyl | 0.585 | | 0.8330 | | 70.2 | 35.3 | 113 | | | | |
| Surr: Nitrobenzene-d5 | 0.565 | | 0.8330 | | 67.8 | 33.9 | 108 | | | | |
| Surr: p-Terphenyl-d14 | 0.601 | | 0.8330 | | 72.1 | 58.4 | 122 | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** V_8260S_S

| Sample ID: **LCS-A100205-2** | SampType: **LCS** | Units: **µg/Kg** | Prep Date: **2/5/2010** | RunNo: **131962** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58286** | **SW5035** | Analysis Date: **2/5/2010** | SeqNo: **2511083** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 54.4 | 5.0 | 50.00 | 0 | 108.7 | 77.5 | 121 | | | | |
| 1,1-Dichloroethene | 52.8 | 5.0 | 50.00 | 0 | 105.5 | 52 | 133 | | | | |
| 1,2-Dibromoethane | 54.3 | 5.0 | 50.00 | 0 | 108.7 | 85.2 | 119 | | | | |
| 1,2-Dichlorobenzene | 53.5 | 5.0 | 50.00 | 0 | 107.0 | 84.2 | 122 | | | | |
| 1,2-Dichloroethane | 50.0 | 5.0 | 50.00 | 0 | 100.1 | 71.1 | 125 | | | | |
| 1,3-Dichlorobenzene | 52.6 | 5.0 | 50.00 | 0 | 105.3 | 83.3 | 125 | | | | |
| 1,4-Dichlorobenzene | 51.9 | 5.0 | 50.00 | 0 | 103.8 | 81.9 | 128 | | | | |
| 2-Butanone | 69.5 | 50.0 | 100.0 | 0 | 69.5 | 50 | 130 | | | | |
| Benzene | 45.2 | 1.0 | 50.00 | 0 | 90.3 | 77.9 | 123 | | | | |
| Bromodichloromethane | 56.0 | 5.0 | 50.00 | 0 | 112.0 | 87.9 | 119 | | | | |
| Carbon tetrachloride | 52.3 | 5.0 | 50.00 | 0 | 104.7 | 77.5 | 128 | | | | |
| Chlorobenzene | 51.8 | 5.0 | 50.00 | 0 | 103.7 | 87.8 | 120 | | | | |
| Chloroform | 50.5 | 5.0 | 50.00 | 0 | 101.0 | 81.5 | 119 | | | | |
| Dibromochloromethane | 54.6 | 5.0 | 50.00 | 0 | 109.2 | 88.6 | 119 | | | | |
| Ethylbenzene | 49.6 | 5.0 | 50.00 | 0 | 99.3 | 80.9 | 119 | | | | |
| m,p-Xylenes | 47.1 | 5.0 | 50.00 | 0 | 94.2 | 77.6 | 120 | | | | |
| Methyl tert-butyl ether | 57.2 | 2.0 | 50.00 | 0 | 114.3 | 69.8 | 121 | | | | |
| Methylene chloride | 44.2 | 5.0 | 50.00 | 0 | 88.5 | 71.5 | 124 | | | | |
| Naphthalene | 52.4 | 10 | 50.00 | 0 | 104.8 | 75.7 | 123 | | | | |
| o-Xylene | 49.2 | 5.0 | 50.00 | 0 | 98.3 | 82.4 | 124 | | | | |
| Tetrachloroethene | 47.1 | 5.0 | 50.00 | 0 | 94.2 | 74.2 | 113 | | | | |
| Toluene | 46.0 | 5.0 | 50.00 | 0 | 92.1 | 80.2 | 115 | | | | |
| Trichloroethene | 49.1 | 5.0 | 50.00 | 0 | 98.2 | 83.3 | 118 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 49.4 | | 50.00 | | 98.8 | 61 | 128 | | | | |
| Surr: 4-Bromofluorobenzene | 49.8 | | 50.00 | | 99.5 | 78.2 | 117 | | | | |
| Surr: Dibromofluoromethane | 51.1 | | 50.00 | | 102.2 | 66.6 | 130 | | | | |
| Surr: Toluene-d8 | 50.2 | | 50.00 | | 100.3 | 80.1 | 122 | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** **V_8260S_S**

| Sample ID: **LCSD-A100205-2** | SampType: **LCSD** | Units: **µg/Kg** | Prep Date: **2/5/2010** | RunNo: **131962** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58286** | **SW5035** | Analysis Date: **2/5/2010** | SeqNo: **2511084** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 56.1 | 5.0 | 50.00 | 0 | 112.2 | 77.5 | 121 | 54.35 | 3.15 | 20 | |
| 1,1-Dichloroethene | 53.9 | 5.0 | 50.00 | 0 | 107.8 | 52 | 133 | 52.76 | 2.14 | 20 | |
| 1,2-Dibromoethane | 54.8 | 5.0 | 50.00 | 0 | 109.7 | 85.2 | 119 | 54.34 | 0.916 | 20 | |
| 1,2-Dichlorobenzene | 52.5 | 5.0 | 50.00 | 0 | 104.9 | 84.2 | 122 | 53.49 | 1.93 | 20 | |
| 1,2-Dichloroethane | 51.1 | 5.0 | 50.00 | 0 | 102.3 | 71.1 | 125 | 50.03 | 2.19 | 20 | |
| 1,3-Dichlorobenzene | 51.5 | 5.0 | 50.00 | 0 | 103.1 | 83.3 | 125 | 52.65 | 2.15 | 20 | |
| 1,4-Dichlorobenzene | 50.7 | 5.0 | 50.00 | 0 | 101.4 | 81.9 | 128 | 51.89 | 2.34 | 20 | |
| 2-Butanone | 72.2 | 50.0 | 100.0 | 0 | 72.2 | 50 | 130 | 69.53 | 3.75 | 20 | |
| Benzene | 46.4 | 1.0 | 50.00 | 0 | 92.7 | 77.9 | 123 | 45.17 | 2.58 | 20 | |
| Bromodichloromethane | 57.4 | 5.0 | 50.00 | 0 | 114.8 | 87.9 | 119 | 56.01 | 2.43 | 20 | |
| Carbon tetrachloride | 54.5 | 5.0 | 50.00 | 0 | 109.0 | 77.5 | 128 | 52.34 | 4.04 | 20 | |
| Chlorobenzene | 52.4 | 5.0 | 50.00 | 0 | 104.8 | 87.8 | 120 | 51.85 | 1.02 | 20 | |
| Chloroform | 52.2 | 5.0 | 50.00 | 0 | 104.4 | 81.5 | 119 | 50.51 | 3.33 | 20 | |
| Dibromochloromethane | 56.0 | 5.0 | 50.00 | 0 | 111.9 | 88.6 | 119 | 54.60 | 2.46 | 20 | |
| Ethylbenzene | 50.4 | 5.0 | 50.00 | 0 | 100.8 | 80.9 | 119 | 49.64 | 1.56 | 20 | |
| m,p-Xylenes | 47.8 | 5.0 | 50.00 | 0 | 95.5 | 77.6 | 120 | 47.11 | 1.35 | 20 | |
| Methyl tert-butyl ether | 58.3 | 2.0 | 50.00 | 0 | 116.6 | 69.8 | 121 | 57.15 | 1.99 | 20 | |
| Methylene chloride | 45.0 | 5.0 | 50.00 | 0 | 90.1 | 71.5 | 124 | 44.25 | 1.75 | 20 | |
| Naphthalene | 50.4 | 10 | 50.00 | 0 | 100.7 | 75.7 | 123 | 52.41 | 3.97 | 20 | |
| o-Xylene | 49.6 | 5.0 | 50.00 | 0 | 99.2 | 82.4 | 124 | 49.17 | 0.871 | 20 | |
| Tetrachloroethene | 48.1 | 5.0 | 50.00 | 0 | 96.1 | 74.2 | 113 | 47.09 | 2.06 | 20 | |
| Toluene | 47.0 | 5.0 | 50.00 | 0 | 94.0 | 80.2 | 115 | 46.04 | 2.08 | 20 | |
| Trichloroethene | 49.6 | 5.0 | 50.00 | 0 | 99.1 | 83.3 | 118 | 49.09 | 0.953 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 49.9 | | 50.00 | | 99.8 | 61 | 128 | | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 49.8 | | 50.00 | | 99.7 | 78.2 | 117 | | 0 | 0 | |
| Surr: Dibromofluoromethane | 51.9 | | 50.00 | | 103.8 | 66.6 | 130 | | 0 | 0 | |
| Surr: Toluene-d8 | 50.4 | | 50.00 | | 100.9 | 80.1 | 122 | | 0 | 0 | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: **MBLK-A100205-2** | SampType: **MBLK** | | Units: **µg/Kg** | Prep Date: **2/5/2010** | | RunNo: **131962** | |
| Client ID: **ZZZZZZ** | Batch ID: **58286** | | **SW5035** | Analysis Date: **2/5/2010** | | SeqNo: **2511085** | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloro-2-propanone | ND | 50.0 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | | | | |
| 1,2,3-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1-Chlorobutane | ND | 5.0 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 2-Butanone | ND | 50.0 | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | | | | | | | |
| 2-Hexanone | ND | 50.0 | | | | | | | | | |
| 2-Nitropropane | ND | 50.0 | | | | | | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 50.0 | | | | | | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: **MBLK-A100205-2** | SampType: **MBLK** | | Units: **µg/Kg** | Prep Date: **2/5/2010** | | RunNo: **131962** | |
| Client ID: **ZZZZZZ** | Batch ID: **58286** | | **SW5035** | Analysis Date: **2/5/2010** | | SeqNo: **2511085** | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50.0 | | | | | | | | | |
| Acrolein | ND | 100 | | | | | | | | | |
| Acrylonitrile | ND | 10 | | | | | | | | | |
| Allyl chloride | ND | 5.0 | | | | | | | | | |
| Benzene | ND | 1.0 | | | | | | | | | |
| Bromobenzene | ND | 5.0 | | | | | | | | | |
| Bromochloromethane | ND | 5.0 | | | | | | | | | |
| Bromodichloromethane | ND | 5.0 | | | | | | | | | |
| Bromoform | ND | 5.0 | | | | | | | | | |
| Bromomethane | ND | 10 | | | | | | | | | |
| Carbon disulfide | ND | 5.0 | | | | | | | | | |
| Carbon tetrachloride | ND | 5.0 | | | | | | | | | |
| Chlorobenzene | ND | 5.0 | | | | | | | | | |
| Chloroethane | ND | 10 | | | | | | | | | |
| Chloroform | ND | 5.0 | | | | | | | | | |
| Chloromethane | ND | 10 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 4.0 | | | | | | | | | |
| Cyclohexanone | ND | 100 | | | | | | | | | |
| Dibromochloromethane | ND | 5.0 | | | | | | | | | |
| Dibromomethane | ND | 5.0 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 10 | | | | | | | | | |
| Ethyl acetate | ND | 50.0 | | | | | | | | | |
| Ethyl ether | ND | 5.0 | | | | | | | | | |
| Ethyl methacrylate | ND | 5.0 | | | | | | | | | |
| Ethylbenzene | ND | 5.0 | | | | | | | | | |
| Heptane | ND | 20.0 | | | | | | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | | | | | | | |
| Hexachloroethane | ND | 5.0 | | | | | | | | | |
| Iodomethane | ND | 10 | | | | | | | | | |
| Isopropylbenzene | ND | 5.0 | | | | | | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

| Sample ID: **MBLK-A100205-2** | SampType: **MBLK** | Units: **µg/Kg** | Prep Date: **2/5/2010** | RunNo: **131962** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58286** | **SW5035** | Analysis Date: **2/5/2010** | SeqNo: **2511085** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| m,p-Xylenes | ND | 5.0 | | | | | | | | | |
| Methacrylonitrile | ND | 50.0 | | | | | | | | | |
| Methyl Methacrylate | ND | 5.0 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 2.0 | | | | | | | | | |
| Methylacrylate | ND | 10 | | | | | | | | | |
| Methylene chloride | ND | 5.0 | | | | | | | | | |
| Naphthalene | ND | 10 | | | | | | | | | |
| n-Butylbenzene | ND | 5.0 | | | | | | | | | |
| n-Hexane | ND | 20.0 | | | | | | | | | |
| Nitrobenzene | ND | 100 | | | | | | | | | |
| n-Propylbenzene | ND | 5.0 | | | | | | | | | |
| o-Xylene | ND | 5.0 | | | | | | | | | |
| Pentachloroethane | ND | 5.0 | | | | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | | | | | | | | | |
| Propionitrile | ND | 50.0 | | | | | | | | | |
| sec-Butylbenzene | ND | 5.0 | | | | | | | | | |
| Styrene | ND | 5.0 | | | | | | | | | |
| tert-Butylbenzene | ND | 5.0 | | | | | | | | | |
| Tetrachloroethene | ND | 5.0 | | | | | | | | | |
| Tetrahydrofuran | ND | 50.0 | | | | | | | | | |
| Toluene | ND | 5.0 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 5.0 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 4.0 | | | | | | | | | |
| Trichloroethene | ND | 5.0 | | | | | | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | | | | | | | |
| Vinyl acetate | ND | 50.0 | | | | | | | | | |
| Vinyl chloride | ND | 2.0 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.3 | | 50.00 | | 102.7 | 61 | 128 | | | | |
| Surr: 4-Bromofluorobenzene | 49.4 | | 50.00 | | 98.9 | 78.2 | 117 | | | | |
| Surr: Dibromofluoromethane | 52.1 | | 50.00 | | 104.3 | 66.6 | 130 | | | | |
| Surr: Toluene-d8 | 50.4 | | 50.00 | | 100.7 | 80.1 | 122 | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** V_8260S_S

| Sample ID: **LCSD-F100209-1** | SampType: **LCSD** | Units: **µg/Kg** | Prep Date: **2/9/2010** | RunNo: **132071** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58368** | **SW5035** | Analysis Date: **2/9/2010** | SeqNo: **2515464** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 57.8 | 5.0 | 50.00 | 0 | 115.5 | 77.5 | 121 | 57.36 | 0.678 | 20 | |
| 1,1-Dichloroethene | 49.4 | 5.0 | 50.00 | 0 | 98.8 | 52 | 133 | 49.58 | 0.323 | 20 | |
| 1,2-Dibromoethane | 55.2 | 5.0 | 50.00 | 0 | 110.4 | 85.2 | 119 | 56.76 | 2.82 | 20 | |
| 1,2-Dichlorobenzene | 57.2 | 5.0 | 50.00 | 0 | 114.5 | 84.2 | 122 | 56.77 | 0.842 | 20 | |
| 1,2-Dichloroethane | 53.5 | 5.0 | 50.00 | 0 | 107.1 | 71.1 | 125 | 53.63 | 0.168 | 20 | |
| 1,3-Dichlorobenzene | 56.7 | 5.0 | 50.00 | 0 | 113.3 | 83.3 | 125 | 57.22 | 0.966 | 20 | |
| 1,4-Dichlorobenzene | 56.8 | 5.0 | 50.00 | 0 | 113.7 | 81.9 | 128 | 55.83 | 1.78 | 20 | |
| 2-Butanone | 69.0 | 50.0 | 100.0 | 0 | 69.0 | 50 | 130 | 67.73 | 1.79 | 20 | |
| Benzene | 48.2 | 1.0 | 50.00 | 0 | 96.3 | 77.9 | 123 | 48.65 | 1.01 | 20 | |
| Bromodichloromethane | 58.4 | 5.0 | 50.00 | 0 | 116.9 | 87.9 | 119 | 58.50 | 0.0855 | 20 | |
| Carbon tetrachloride | 57.7 | 5.0 | 50.00 | 0 | 115.4 | 77.5 | 128 | 56.80 | 1.54 | 20 | |
| Chlorobenzene | 53.1 | 5.0 | 50.00 | 0 | 106.2 | 87.8 | 120 | 54.36 | 2.35 | 20 | |
| Chloroform | 50.6 | 5.0 | 50.00 | 0 | 101.3 | 81.5 | 119 | 50.35 | 0.555 | 20 | |
| Dibromochloromethane | 55.8 | 5.0 | 50.00 | 0 | 111.5 | 88.6 | 119 | 57.35 | 2.83 | 20 | |
| Ethylbenzene | 47.7 | 5.0 | 50.00 | 0 | 95.4 | 80.9 | 119 | 48.33 | 1.27 | 20 | |
| m,p-Xylenes | 45.1 | 5.0 | 50.00 | 0 | 90.2 | 77.6 | 120 | 47.66 | 5.52 | 20 | |
| Methyl tert-butyl ether | 58.9 | 2.0 | 50.00 | 0 | 117.8 | 69.8 | 121 | 59.40 | 0.828 | 20 | |
| Methylene chloride | 50.8 | 5.0 | 50.00 | 0 | 101.6 | 71.5 | 124 | 50.52 | 0.592 | 20 | |
| Naphthalene | 54.0 | 10 | 50.00 | 0 | 107.9 | 75.7 | 123 | 55.88 | 3.50 | 20 | |
| o-Xylene | 49.9 | 5.0 | 50.00 | 0 | 99.8 | 82.4 | 124 | 53.65 | 7.22 | 20 | |
| Tetrachloroethene | 46.8 | 5.0 | 50.00 | 0 | 93.6 | 74.2 | 113 | 48.82 | 4.27 | 20 | |
| Toluene | 48.8 | 5.0 | 50.00 | 0 | 97.5 | 80.2 | 115 | 49.30 | 1.08 | 20 | |
| Trichloroethene | 50.4 | 5.0 | 50.00 | 0 | 100.8 | 83.3 | 118 | 50.85 | 0.849 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 56.3 | | 50.00 | | 112.6 | 61 | 128 | | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 41.8 | | 50.00 | | 83.7 | 78.2 | 117 | | 0 | 0 | |
| Surr: Dibromofluoromethane | 51.8 | | 50.00 | | 103.6 | 66.6 | 130 | | 0 | 0 | |
| Surr: Toluene-d8 | 48.1 | | 50.00 | | 96.2 | 80.1 | 122 | | 0 | 0 | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

| Sample ID: **LCS-F100209-1** | SampType: **LCS** | Units: **µg/Kg** | Prep Date: **2/9/2010** | RunNo: **132071** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58368** | **SW5035** | Analysis Date: **2/9/2010** | SeqNo: **2515465** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 57.4 | 5.0 | 50.00 | 0 | 114.7 | 77.5 | 121 | | | | |
| 1,1-Dichloroethene | 49.6 | 5.0 | 50.00 | 0 | 99.2 | 52 | 133 | | | | |
| 1,2-Dibromoethane | 56.8 | 5.0 | 50.00 | 0 | 113.5 | 85.2 | 119 | | | | |
| 1,2-Dichlorobenzene | 56.8 | 5.0 | 50.00 | 0 | 113.5 | 84.2 | 122 | | | | |
| 1,2-Dichloroethane | 53.6 | 5.0 | 50.00 | 0 | 107.3 | 71.1 | 125 | | | | |
| 1,3-Dichlorobenzene | 57.2 | 5.0 | 50.00 | 0 | 114.4 | 83.3 | 125 | | | | |
| 1,4-Dichlorobenzene | 55.8 | 5.0 | 50.00 | 0 | 111.7 | 81.9 | 128 | | | | |
| 2-Butanone | 67.7 | 50.0 | 100.0 | 0 | 67.7 | 50 | 130 | | | | |
| Benzene | 48.6 | 1.0 | 50.00 | 0 | 97.3 | 77.9 | 123 | | | | |
| Bromodichloromethane | 58.5 | 5.0 | 50.00 | 0 | 117.0 | 87.9 | 119 | | | | |
| Carbon tetrachloride | 56.8 | 5.0 | 50.00 | 0 | 113.6 | 77.5 | 128 | | | | |
| Chlorobenzene | 54.4 | 5.0 | 50.00 | 0 | 108.7 | 87.8 | 120 | | | | |
| Chloroform | 50.4 | 5.0 | 50.00 | 0 | 100.7 | 81.5 | 119 | | | | |
| Dibromochloromethane | 57.4 | 5.0 | 50.00 | 0 | 114.7 | 88.6 | 119 | | | | |
| Ethylbenzene | 48.3 | 5.0 | 50.00 | 0 | 96.7 | 80.9 | 119 | | | | |
| m,p-Xylenes | 47.7 | 5.0 | 50.00 | 0 | 95.3 | 77.6 | 120 | | | | |
| Methyl tert-butyl ether | 59.4 | 2.0 | 50.00 | 0 | 118.8 | 69.8 | 121 | | | | |
| Methylene chloride | 50.5 | 5.0 | 50.00 | 0 | 101.0 | 71.5 | 124 | | | | |
| Naphthalene | 55.9 | 10 | 50.00 | 0 | 111.8 | 75.7 | 123 | | | | |
| o-Xylene | 53.6 | 5.0 | 50.00 | 0 | 107.3 | 82.4 | 124 | | | | |
| Tetrachloroethene | 48.8 | 5.0 | 50.00 | 0 | 97.6 | 74.2 | 113 | | | | |
| Toluene | 49.3 | 5.0 | 50.00 | 0 | 98.6 | 80.2 | 115 | | | | |
| Trichloroethene | 50.8 | 5.0 | 50.00 | 0 | 101.7 | 83.3 | 118 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 53.8 | | 50.00 | | 107.7 | 61 | 128 | | | | |
| Surr: 4-Bromofluorobenzene | 50.0 | | 50.00 | | 100 | 78.2 | 117 | | | | |
| Surr: Dibromofluoromethane | 50.3 | | 50.00 | | 100.6 | 66.6 | 130 | | | | |
| Surr: Toluene-d8 | 48.0 | | 50.00 | | 96.1 | 80.1 | 122 | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** V_8260S_S

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: **MBLK-F100209-1** | SampType: **MBLK** | | Units: **µg/Kg** | Prep Date: **2/9/2010** | | RunNo: **132071** | |
| Client ID: **ZZZZZZ** | Batch ID: **58368** | | **SW5035** | Analysis Date: **2/9/2010** | | SeqNo: **2515466** | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND | 5.0 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloro-2-propanone | ND | 50.0 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 5.0 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 5.0 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | | | | |
| 1,2,3-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | | | | | | | | | |
| 1,2-Dibromoethane | ND | 5.0 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,2-Dichloroethane | ND | 5.0 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1,3-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 5.0 | | | | | | | | | |
| 1-Chlorobutane | ND | 5.0 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 5.0 | | | | | | | | | |
| 2-Butanone | ND | 50.0 | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | | | | | | | | | |
| 2-Hexanone | ND | 50.0 | | | | | | | | | |
| 2-Nitropropane | ND | 50.0 | | | | | | | | | |
| 4-Chlorotoluene | ND | 5.0 | | | | | | | | | |
| 4-Methyl-2-pentanone | ND | 50.0 | | | | | | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

| Sample ID: **MBLK-F100209-1** | SampType: **MBLK** | Units: **µg/Kg** | Prep Date: **2/9/2010** | RunNo: **132071** |
|---|---|---|---|---|
| Client ID: **ZZZZZZ** | Batch ID: **58368** | **SW5035** | Analysis Date: **2/9/2010** | SeqNo: **2515466** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 50.0 | | | | | | | | | |
| Acrolein | ND | 100 | | | | | | | | | |
| Acrylonitrile | ND | 10 | | | | | | | | | |
| Allyl chloride | ND | 5.0 | | | | | | | | | |
| Benzene | ND | 1.0 | | | | | | | | | |
| Bromobenzene | ND | 5.0 | | | | | | | | | |
| Bromochloromethane | ND | 5.0 | | | | | | | | | |
| Bromodichloromethane | ND | 5.0 | | | | | | | | | |
| Bromoform | ND | 5.0 | | | | | | | | | |
| Bromomethane | ND | 10 | | | | | | | | | |
| Carbon disulfide | ND | 5.0 | | | | | | | | | |
| Carbon tetrachloride | ND | 5.0 | | | | | | | | | |
| Chlorobenzene | ND | 5.0 | | | | | | | | | |
| Chloroethane | ND | 10 | | | | | | | | | |
| Chloroform | ND | 5.0 | | | | | | | | | |
| Chloromethane | ND | 10 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 5.0 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 4.0 | | | | | | | | | |
| Cyclohexanone | ND | 100 | | | | | | | | | |
| Dibromochloromethane | ND | 5.0 | | | | | | | | | |
| Dibromomethane | ND | 5.0 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 10 | | | | | | | | | |
| Ethyl acetate | ND | 50.0 | | | | | | | | | |
| Ethyl ether | ND | 5.0 | | | | | | | | | |
| Ethyl methacrylate | ND | 5.0 | | | | | | | | | |
| Ethylbenzene | ND | 5.0 | | | | | | | | | |
| Heptane | ND | 20.0 | | | | | | | | | |
| Hexachlorobutadiene | ND | 5.0 | | | | | | | | | |
| Hexachloroethane | ND | 5.0 | | | | | | | | | |
| Iodomethane | ND | 10 | | | | | | | | | |
| Isopropylbenzene | ND | 5.0 | | | | | | | | | |

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251 **Report Date:** *16-Feb-10*

# ANALYTICAL QC SUMMARY REPORT

**TestCode: V_8260S_S**

Sample ID: **MBLK-F100209-1** SampType: **MBLK** Units: **µg/Kg** Prep Date: **2/9/2010** RunNo: **132071**
Client ID: **ZZZZZZ** Batch ID: **58368** **SW5035** Analysis Date: **2/9/2010** SeqNo: **2515466**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| m,p-Xylenes | 1.2 | 5.0 | | | | | | | | | J |
| Methacrylonitrile | ND | 50.0 | | | | | | | | | |
| Methyl Methacrylate | ND | 5.0 | | | | | | | | | |
| Methyl tert-butyl ether | ND | 2.0 | | | | | | | | | |
| Methylacrylate | ND | 10 | | | | | | | | | |
| Methylene chloride | ND | 5.0 | | | | | | | | | |
| Naphthalene | ND | 10 | | | | | | | | | |
| n-Butylbenzene | ND | 5.0 | | | | | | | | | |
| n-Hexane | ND | 20.0 | | | | | | | | | |
| Nitrobenzene | ND | 100 | | | | | | | | | |
| n-Propylbenzene | ND | 5.0 | | | | | | | | | |
| o-Xylene | ND | 5.0 | | | | | | | | | |
| Pentachloroethane | ND | 5.0 | | | | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | | | | | | | | | |
| Propionitrile | ND | 50.0 | | | | | | | | | |
| sec-Butylbenzene | ND | 5.0 | | | | | | | | | |
| Styrene | ND | 5.0 | | | | | | | | | |
| tert-Butylbenzene | ND | 5.0 | | | | | | | | | |
| Tetrachloroethene | ND | 5.0 | | | | | | | | | |
| Tetrahydrofuran | ND | 50.0 | | | | | | | | | |
| Toluene | 1.3 | 5.0 | | | | | | | | | J |
| trans-1,2-Dichloroethene | ND | 5.0 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 4.0 | | | | | | | | | |
| Trichloroethene | ND | 5.0 | | | | | | | | | |
| Trichlorofluoromethane | ND | 5.0 | | | | | | | | | |
| Vinyl acetate | ND | 50.0 | | | | | | | | | |
| Vinyl chloride | ND | 2.0 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 54.3 | | 50.00 | | 108.6 | 61 | 128 | | | | |
| Surr: 4-Bromofluorobenzene | 50.7 | | 50.00 | | 101.3 | 78.2 | 117 | | | | |
| Surr: Dibromofluoromethane | 51.1 | | 50.00 | | 102.1 | 66.6 | 130 | | | | |
| Surr: Toluene-d8 | 48.9 | | 50.00 | | 97.8 | 80.1 | 122 | | | | |

# TEKLAB, INC.

5445 HORSESHOE LAKE ROAD
COLLINSVILLE, ILLINOIS 62234

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
FAX: 618-344-1005


## RECEIVING CHECK LIST

**Client:** PSC Industrial Outsourcing, LP
**Project:** A831-735002-012901-225/Ameren Champaign 6249080120
**Lab Order:** 10020251
**Report Date:** 16-Feb-10

**Carrier:** Sean Spinner

**Received By:** MLD

**Completed by:** Marvin L. Darling II
**On:** 04-Feb-10
Marvin L. Darling

**Reviewed by:** Elizabeth A. Hurley
**On:** 04-Feb-10
Elizabeth A. Hurley

Pages to follow: Chain of custody [1] Extra pages included [0]

| | | | | | | |
|---|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C | 2.0 | |
| Type of thermal preservation? | None ☐ | Ice ☑ | Blue Ice ☐ | Dry Ice ☐ | | |
| Chain of custody present? | Yes ☑ | No ☐ | | | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | | | |
| Sample containers intact? | Yes ☑ | No ☐ | | | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | | | |
| Reported field parameters measured: | Field ☐ | Lab ☐ | NA ☑ | | | |
| Container/Temp Blank temperature in compliance? | Yes ☑ | No ☐ | | | | |

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

| | | | | |
|---|---|---|---|---|
| Water - VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA vials | ☑ |
| Water - TOX containers have zero headspace? | Yes ☐ | No ☐ | No TOX containers | ☑ |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | | |

Any No responses must be detailed below or on the COC.

# Chain of Custody Record

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(800) 733-7173
(618) 281-5120 Fax

10020251

**COC Serial No. B** 09585

**Project Name:** Champaign MGP **Project Mgr.:** Pete Sarama
**Project Number:** 624-0908-0120 **Cost Code:** J0002
**Sampler(s):** L. Hoosier
**Laboratory Name:** Teklab
**Location:** Collinsville IL

**Laboratory Temperature upon Receipt** 2.0°C

| Sample Number and (depth) | Date | Time | Matrix: Soil | Water | Air | Wipes | Other * | Total Number of Containers | Analyses by Method Name and Number: VOCs (8260) | SVOC (8270 SIMS) | Total Cyanide | Comments (Field PID) | Lab ID #'s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UMW-106R (5) | 2/1/10 | 1545 | X | | | | | 5 | X | X | X | | 10020251-001 |
| UMW-106R (1-2) | 2/1/10 | 1530 | X | | | | | 5 | X | X | X | | -002 |
| UMW-123 (3-4) | 2/2/10 | 1050 | X | | | | | 5 | X | X | X | | -003 |
| UMW-123 (6-7) | 2/2/10 | 1100 | X | | | | | 5 | X | X | X | | -004 |
| UMW-122 (2-3) | 2/3/10 | 0900 | X | | | | | 5 | X | X | X | | -005 |
| UMW-122 (6-7) | 2/3/10 | 0920 | X | | | | | 5 | X | X | X | | -006 |

Teklab, Inc.
Courier Pick Up

**Samples Iced:** ☒ Yes ☐ No

Preservatives (ONLY for Water Samples)

- ☐ Volatile Organics ..... Hydrochloric acid (HCl)
- ☒ VOC Soil (5035) ..... Sodium Bisulfate/Methanol
- ☐ TPH ..... Hydrochloric acid and/or Sulfuric acid
- ☐ Metals ..... Nitric acid ($HNO_3$)
- ☐ Cyanide ..... Sodium hydroxide (NaOH)
- ☐ Other (Specify) .....

**Lab Directives:**

Requested TAT: ☐ Rush ☐ 5 Days ☒ STD ☐ Other
Fax and/or Mail Results to: Pete Sarama
Send Invoice to:
QC Deliverable Requested: ☐ Full QC & Limits ☐ CLP-LIKE ☐ EDD ☐ Other
Special Guidelines:
Reporting Limits:
* Special:

**Shipping:**

| Carrier / Airbill No. |
|---|
| |
| |
| |

**Relinquished by:**

| Signature | Date | Time |
|---|---|---|
| Leslie Hoosier | 2/4/10 | 0755 |
| | 2/4/10 | 1145 |
| | | |

**Received by:**

| Signature | Date | Time |
|---|---|---|
| | 2/4/10 | 7:55 |
| Marvin A. Darling II | 2/4/10 | 1145 |
| | | |

Distribution: WHITE to Lab CANARY to PM PINK to QA/QC GREEN to Sampler

*Shaded Areas to be Completed by Lab*

PE-179 (6/03)