

APPENDIX D
Investigation Derived Waste Analytical Data

Summary of Results for Investigation Derived Waste

| Sample ID | Sample Collection Date | Analyte | Suite | Matrix | Result | Units | Flag | MDL | IDL | PRL |
|---------------|------------------------|----------------------|----------|----------|---------|-------|------|-----------|-----------|--------|
| IDW-01-S-P-02 | 11/17/04 | pH | | SOIL | 12 | pH | | | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | PAINT FILTER TEST | | SOIL | 0 | NU | U | | | |
| IDW-01-S-P-02 | 11/17/04 | MERCURY | METALS | LEACHATE | 0.002 | mg/L | U | 0.000023 | 0.00016 | 0.002 |
| IDW-01-W-P-01 | 11/16/04 | MERCURY | METALS | WATER | 0.00084 | mg/L | | 0.000002 | 0.000016 | 0.0002 |
| IDW-01-S-P-02 | 11/17/04 | ARSENIC | METALS | LEACHATE | 0.1 | mg/L | U | 0.000024 | 0.000021 | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | BARIUM | METALS | LEACHATE | 1 | mg/L | U | 0.0000026 | 8.8E-07 | 1 |
| IDW-01-S-P-02 | 11/17/04 | CADMIUM | METALS | LEACHATE | 0.05 | mg/L | U | 0.0000029 | 0.000002 | 0.05 |
| IDW-01-S-P-02 | 11/17/04 | CHROMIUM | METALS | LEACHATE | 0.1 | mg/L | U | 0.0000032 | 0.0000045 | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | LEAD | METALS | LEACHATE | 0.03 | mg/L | U | 0.00001 | 0.000011 | 0.03 |
| IDW-01-S-P-02 | 11/17/04 | SELENIUM | METALS | LEACHATE | 0.05 | mg/L | U | 0.000024 | 0.000029 | 0.05 |
| IDW-01-S-P-02 | 11/17/04 | SILVER | METALS | LEACHATE | 0.1 | mg/L | U | 0.0000052 | 0.0000051 | 0.1 |
| IDW-01-W-P-01 | 11/16/04 | ARSENIC | METALS | WATER | 0.1 | mg/L | | 0.0000024 | 0.0000021 | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | BARIUM | METALS | WATER | 0.95 | mg/L | | 2.6E-07 | 8.8E-08 | 0.1 |
| IDW-01-W-P-01 | 11/16/04 | CADMIUM | METALS | WATER | 0.025 | mg/L | U | 0.0000015 | 0.000001 | 0.025 |
| IDW-01-W-P-01 | 11/16/04 | CHROMIUM | METALS | WATER | 0.57 | mg/L | | 3.2E-07 | 4.5E-07 | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | LEAD | METALS | WATER | 0.99 | mg/L | | 0.0000052 | 0.0000054 | 0.015 |
| IDW-01-W-P-01 | 11/16/04 | SELENIUM | METALS | WATER | 0.025 | mg/L | U | 0.000012 | 0.000014 | 0.025 |
| IDW-01-W-P-01 | 11/16/04 | SILVER | METALS | WATER | 0.013 | mg/L | | 5.2E-07 | 5.1E-07 | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | ALPHA-CHLORDANE | PEST/PCB | WATER | 0.051 | µg/L | U | 0.0024 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | DECACHLOROBIPHENYL | PEST/PCB | WATER | 0.0703 | µg/L | * | | | |
| IDW-01-W-P-01 | 11/16/04 | ENDRIN | PEST/PCB | WATER | 0.051 | µg/L | U | 0.0027 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | GAMMA-BHC (LINDANE) | PEST/PCB | WATER | 0.051 | µg/L | U | 0.0023 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | GAMMA-CHLORDANE | PEST/PCB | WATER | 0.051 | µg/L | U | 0.0019 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | HEPTACHLOR | PEST/PCB | WATER | 0.051 | µg/L | U | 0.0033 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | HEPTACHLOR EPOXIDE | PEST/PCB | WATER | 0.051 | µg/L | U | 0.002 | | 0.051 |
| IDW-01-W-P-01 | 11/16/04 | METHOXYCHLOR | PEST/PCB | WATER | 0.25 | µg/L | U | 0.025 | | 0.25 |
| IDW-01-W-P-01 | 11/16/04 | TETRACHLORO-M-XYLENE | PEST/PCB | WATER | 0.0927 | µg/L | * | | | |
| IDW-01-W-P-01 | 11/16/04 | TOXAPHENE | PEST/PCB | WATER | 2.5 | µg/L | U | 0.56 | | 2.5 |
| IDW-01-S-P-02 | 11/17/04 | ALPHA-CHLORDANE | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.000024 | | 0.0005 |
| IDW-01-S-P-02 | 11/17/04 | DECACHLOROBIPHENYL | PEST/PCB | LEACHATE | 0.00475 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | ENDRIN | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.000026 | | 0.0005 |
| IDW-01-S-P-02 | 11/17/04 | GAMMA-BHC (LINDANE) | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.000023 | | 0.0005 |
| IDW-01-S-P-02 | 11/17/04 | GAMMA-CHLORDANE | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.000019 | | 0.0005 |
| IDW-01-S-P-02 | 11/17/04 | HEPTACHLOR | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.000033 | | 0.0005 |

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| IDW-01-S-P-02 | 11/17/04 | HEPTACHLOR EPOXIDE | PEST/PCB | LEACHATE | 0.0005 | mg/L | U | 0.00002 | | 0.0005 |
| IDW-01-S-P-02 | 11/17/04 | METHOXYCHLOR | PEST/PCB | LEACHATE | 0.0025 | mg/L | U | 0.00025 | | 0.0025 |
| IDW-01-S-P-02 | 11/17/04 | TETRACHLORO-M-XYLENE | PEST/PCB | LEACHATE | 0.00435 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | TOXAPHENE | PEST/PCB | LEACHATE | 0.025 | mg/L | U | 0.0055 | | 0.025 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1016 | PEST/PCB | WATER | 1 | µg/L | U | 0.11 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1221 | PEST/PCB | WATER | 2 | µg/L | U | 0.34 | | 2 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1232 | PEST/PCB | WATER | 1 | µg/L | U | 0.076 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1242 | PEST/PCB | WATER | 1 | µg/L | U | 0.072 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1248 | PEST/PCB | WATER | 1 | µg/L | U | 0.087 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1254 | PEST/PCB | WATER | 1 | µg/L | U | 0.056 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1260 | PEST/PCB | WATER | 1 | µg/L | U | 0.041 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1268 | PEST/PCB | WATER | 1 | µg/L | U | 0.085 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | DECACHLOROBIPHENYL | PEST/PCB | WATER | 0.113 | µg/L | * | | | |
| IDW-01-W-P-01 | 11/16/04 | TETRACHLORO-M-XYLENE | PEST/PCB | WATER | 0.11 | µg/L | * | | | |
| IDW-01-W-P-01 | 11/16/04 | AROCLOR-1268 | PEST/PCB | WATER | 0.34 | µg/L | J | 0.085 | | 1 |
| IDW-01-W-P-01 | 11/16/04 | DECACHLOROBIPHENYL | PEST/PCB | WATER | 0.0978 | µg/L | * | | | |
| IDW-01-W-P-01 | 11/16/04 | TETRACHLORO-M-XYLENE | PEST/PCB | WATER | 0.111 | µg/L | * | | | |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1016 | PEST/PCB | SOIL | 140 | µg/kg | J | 44 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1221 | PEST/PCB | SOIL | 490 | µg/kg | U | 89 | | 490 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1232 | PEST/PCB | SOIL | 240 | µg/kg | U | 30 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1242 | PEST/PCB | SOIL | 240 | µg/kg | U | 25 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1248 | PEST/PCB | SOIL | 240 | µg/kg | U | 29 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1254 | PEST/PCB | SOIL | 240 | µg/kg | U | 12 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1260 | PEST/PCB | SOIL | 280 | µg/kg | | 19 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | DECACHLOROBIPHENYL | PEST/PCB | SOIL | 32.2 | µg/kg | * | | | |
| IDW-01-S-P-02 | 11/17/04 | TETRACHLORO-M-XYLENE | PEST/PCB | SOIL | 22.1 | µg/kg | | | | |
| IDW-01-S-P-02 | 11/17/04 | AROCLOR-1268 | PEST/PCB | SOIL | 550 | µg/kg | | 15 | | 240 |
| IDW-01-S-P-02 | 11/17/04 | DECACHLOROBIPHENYL | PEST/PCB | SOIL | 24.8 | µg/kg | | | | |
| IDW-01-S-P-02 | 11/17/04 | TETRACHLORO-M-XYLENE | PEST/PCB | SOIL | 30.2 | µg/kg | | | | |
| IDW-01-W-P-01 | 11/16/04 | 1,4-DICHLOROBENZENE | SVOC | WATER | 0.052 | mg/L | | 0.00056 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | 2,4,5-TRICHLOROPHENOL | SVOC | WATER | 0.01 | mg/L | U | 0.0013 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | 2,4,6-TRIBROMOPHENOL | SVOC | WATER | 0.0741 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | 2,4,6-TRICHLOROPHENOL | SVOC | WATER | 0.01 | mg/L | U | 0.00096 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | 2,4-DINITROTOLUENE | SVOC | WATER | 0.01 | mg/L | U | 0.0009 | | 0.01 |

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| IDW-01-W-P-01 | 11/16/04 | 2-FLUOROBIPHENYL | SVOC | WATER | 0.0264 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | 2-FLUOROPHENOL | SVOC | WATER | 0.0552 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | 2-METHYLPHENOL | SVOC | WATER | 0.019 | mg/L | | 0.00071 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | 3+4-METHYLPHENOL | SVOC | WATER | 0.03 | mg/L | | 0.00069 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | HEXACHLOROBENZENE | SVOC | WATER | 0.01 | mg/L | U | 0.00086 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | HEXACHLOROBUTADIENE | SVOC | WATER | 0.01 | mg/L | U | 0.00056 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | HEXACHLOROETHANE | SVOC | WATER | 0.01 | mg/L | U | 0.00038 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | NITROBENZENE | SVOC | WATER | 0.01 | mg/L | U | 0.00077 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | NITROBENZENE-D5 | SVOC | WATER | 0.0469 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | PENTACHLOROPHENOL | SVOC | WATER | 0.02 | mg/L | U | 0.0062 | | 0.02 |
| IDW-01-W-P-01 | 11/16/04 | PHENOL-D5 | SVOC | WATER | 0.0594 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | PYRIDINE | SVOC | WATER | 0.017 | mg/L | | 0.00099 | | 0.01 |
| IDW-01-W-P-01 | 11/16/04 | TERPHENYL-D14 | SVOC | WATER | 0.00984 | mg/L | * | | | |
| IDW-01-S-P-02 | 11/17/04 | 1,4-DICHLOROBENZENE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0055 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 2,4,5-TRICHLOROPHENOL | SVOC | LEACHATE | 0.1 | mg/L | U | 0.012 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 2,4,6-TRIBROMOPHENOL | SVOC | LEACHATE | 0.569 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | 2,4,6-TRICHLOROPHENOL | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0094 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 2,4-DINITROTOLUENE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0088 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 2-FLUOROBIPHENYL | SVOC | LEACHATE | 0.376 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | 2-FLUOROPHENOL | SVOC | LEACHATE | 0.553 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | 2-METHYLPHENOL | SVOC | LEACHATE | 0.1 | mg/L | U | 0.007 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 3+4-METHYLPHENOL | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0068 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | HEXACHLOROBENZENE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0084 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | HEXACHLOROBUTADIENE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0055 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | HEXACHLOROETHANE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0037 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | NITROBENZENE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0076 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | NITROBENZENE-D5 | SVOC | LEACHATE | 0.423 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | PENTACHLOROPHENOL | SVOC | LEACHATE | 0.2 | mg/L | U | 0.061 | | 0.2 |
| IDW-01-S-P-02 | 11/17/04 | PHENOL-D5 | SVOC | LEACHATE | 0.574 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | PYRIDINE | SVOC | LEACHATE | 0.1 | mg/L | U | 0.0097 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | TERPHENYL-D14 | SVOC | LEACHATE | 0.468 | mg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | 1,1-DICHLOROETHENE | VOC | WATER | 500 | µg/L | U | 90 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | 1,2-DICHLOROETHANE | VOC | WATER | 500 | µg/L | U | 100 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | 2-BUTANONE | VOC | WATER | 2000 | µg/L | U | 430 | | 2000 |

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| IDW-01-W-P-01 | 11/16/04 | 4-BROMOFLUOROBENZENE | VOC | WATER | 5160 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | BENZENE | VOC | WATER | 610 | µg/L | | 100 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | CARBON TETRACHLORIDE | VOC | WATER | 500 | µg/L | U | 120 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | CHLOROBENZENE | VOC | WATER | 1100 | µg/L | | 100 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | CHLOROFORM | VOC | WATER | 500 | µg/L | U | 100 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | DIBROMOFLUOROMETHANE | VOC | WATER | 4790 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | TETRACHLOROETHENE | VOC | WATER | 500 | µg/L | U | 110 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | TOLUENE-D8 | VOC | WATER | 4740 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | TRICHLOROETHENE | VOC | WATER | 500 | µg/L | U | 120 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | VINYL CHLORIDE | VOC | WATER | 500 | µg/L | U | 140 | | 500 |
| IDW-01-W-P-01 | 11/16/04 | 1,1-DICHLOROETHENE | VOC | WATER | 100 | µg/L | U | 18 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | 1,2-DICHLOROETHANE | VOC | WATER | 74 | µg/L | J | 20 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | 2-BUTANONE | VOC | WATER | 400 | µg/L | U | 86 | | 400 |
| IDW-01-W-P-01 | 11/16/04 | 4-BROMOFLUOROBENZENE | VOC | WATER | 1020 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | BENZENE | VOC | WATER | 650 | µg/L | | 21 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | CARBON TETRACHLORIDE | VOC | WATER | 100 | µg/L | U | 25 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | CHLOROBENZENE | VOC | WATER | 1200 | µg/L | | 21 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | CHLOROFORM | VOC | WATER | 100 | µg/L | U | 20 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | DIBROMOFLUOROMETHANE | VOC | WATER | 936 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | TETRACHLOROETHENE | VOC | WATER | 100 | µg/L | U | 23 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | TOLUENE-D8 | VOC | WATER | 948 | µg/L | | | | |
| IDW-01-W-P-01 | 11/16/04 | TRICHLOROETHENE | VOC | WATER | 100 | µg/L | U | 23 | | 100 |
| IDW-01-W-P-01 | 11/16/04 | VINYL CHLORIDE | VOC | WATER | 100 | µg/L | U | 29 | | 100 |
| IDW-01-S-P-02 | 11/17/04 | 1,1-DICHLOROETHENE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0045 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | 1,2-DICHLOROETHANE | VOC | LEACHATE | 0.025 | mg/L | U | 0.005 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | 2-BUTANONE | VOC | LEACHATE | 0.1 | mg/L | U | 0.021 | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | 4-BROMOFLUOROBENZENE | VOC | LEACHATE | 0.255 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | BENZENE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0053 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | CARBON TETRACHLORIDE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0063 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | CHLOROBENZENE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0052 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | CHLOROFORM | VOC | LEACHATE | 0.025 | mg/L | U | 0.0051 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | DIBROMOFLUOROMETHANE | VOC | LEACHATE | 0.208 | mg/L | | | | |
| IDW-01-S-P-02 | 11/17/04 | TETRACHLOROETHENE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0057 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | TOLUENE-D8 | VOC | LEACHATE | 0.238 | mg/L | | | | |

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| IDW-01-S-P-02 | 11/17/04 | TRICHLOROETHENE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0058 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | VINYL CHLORIDE | VOC | LEACHATE | 0.025 | mg/L | U | 0.0073 | | 0.025 |
| IDW-01-S-P-02 | 11/17/04 | REACTIVE CYANIDE | WETCHEM | SOIL | 0.1 | mg/kg | U | | | 0.1 |
| IDW-01-S-P-02 | 11/17/04 | IGNITABILITY | WETCHEM | SOIL | 96.5 | Deg C | U | | | 96.5 |
| IDW-01-S-P-02 | 11/17/04 | REACTIVE SULFIDE | WETCHEM | SOIL | 50 | mg/kg | U | | | 50 |

Notes:

Flag = Laboratory Data Qualifier

ID = Identification

IDL = Instrument Detection Limit

MDL = Minimum Detection Limit

PRL = Practical Reporting Limit

Deg C = degrees Celsius

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

NU = Free liquids were not observed

µg/kg = micrograms per kilogram

µg/L = micrograms per liter

PEST/PCB = Pesticides/Polychlorinated Biphenyls

SVOC = Semivolatile Organic Compounds

VOC = Volatile Organic Compounds

Description of Laboratory Data Qualifiers:

* = Recovery is outside of control limits

J = Estimated concentration

U = Result is less than the MDL