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**Groundwater Monitoring at Sandia National Laboratories/New Mexico Burn Site Conducted by NMED DOE OB for FFY 2011 Q-1**

The New Mexico Environment Department (NMED) DOE Oversight Bureau (Bureau) has compiled and assessed groundwater data collected during October and November 2010. The Bureau collected groundwater samples from Burn Site groundwater monitoring wells CYN-MW9, CYN-MW10, CYN-MW11 and CYN-MW12. Split samples were collected using standard Sandia National Laboratories/New Mexico (SNL/NM) sampling procedures and equipment. Bureau samples were submitted to an independent analytical laboratory where they were analyzed for non-metal inorganics and organic compounds. All samples analyzed for nitrate-nitrite as Nitrogen were detected at or above the EPA MCL of 10 mg/L.

Data Assessment

All groundwater samples were collected and analyzed in accordance with U.S. Environmental Protection Agency (EPA) protocols. Data results are compared to applicable Maximum Contaminant Levels (MCLs) from the EPA National Primary Drinking Water Regulations (40 CFR 141).

Currently there is no U.S. EPA National Primary Drinking Water MCL or State of New Mexico drinking water standard for perchlorate. However, perchlorate results are compared to the *Compliance Order on Consent (COOC) Pursuant to the New Mexico Hazardous Waste Act 74-4-10: Sandia National Laboratories Consent Order*, New Mexico Environment Department, April 19, 2004.

Results

Analytical results for nitrate-nitrite as Nitrogen and perchlorate are presented in Table-1. Nitrate concentrations were detected at or above the EPA MCL of 10 mg/L at monitoring wells CYN-MW9, CYN-MW10, CYN-MW11 and CYN-MW12. Nitrate concentrations were 32 mg/L, 12 mg/L, 11 mg/L and 10 mg/L, respectively. Perchlorate concentrations did not exceed the NMED COOC screening level of 4 µg/L.

Analytical results for High Explosives (HE) are listed in Table-2. No HE compounds were detected above their method detection limits (MDLs).

Analytical results for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and gasoline/diesel/oil organic compounds are presented in Table-3, Table-4 and Table-5, respectively. All samples were detected below established MCLs.

Response

Questions or comments should be addressed to Chris Armijo by phone at (505) 383-2070, by e-mail at chris.armijo1@state.nm.us, or to the address in the letterhead.

Enclosure: (1) Table-1 Nitrate-Nitrite as Nitrogen & Perchlorate Results
(2) Table-2 High Explosive Compounds Results
(3) Table-3 Volatile Organic Compounds Results
(4) Table-4 Semi-Volatile Organic Compounds Results
(5) Table-5 Diesel/Gasoline/Oil Range Organic Compounds Results

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**Table-1 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Nitrate-Nitrite as Nitrogen & Perchlorate**

| Monitoring Well/ Sample Date | Analyte | Result | EPA MCL | Quantitation Limit | MDL | Units | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | Nitrate-Nitrite as N | **32** | 10 | 2 | 0.27 | mg/L | | EPA:300.0 |
| | Perchlorate | 2.2 | NE | 2 | 0.47 | ug/L | | EPA:314.0 |
| CYN-MW10 2-Nov-10 | Nitrate-Nitrite as N | **12** | 10 | 2 | 0.27 | mg/L | | EPA:300.0 |
| | Perchlorate | 0.47 | NE | 2 | 0.47 | ug/L | U | EPA:314.0 |
| CYN-MW11 1-Nov-10 | Nitrate-Nitrite as N | **11** | 10 | 2 | 0.27 | mg/L | | EPA:300.0 |
| | Perchlorate | 0.47 | NE | 2 | 0.47 | ug/L | U | EPA:314.0 |
| CYN-MW11 1-Nov-10 DUP | Nitrate-Nitrite as N | **11** | 10 | 2 | 0.27 | mg/L | | EPA:300.0 |
| | Perchlorate | 0.95 | NE | 2 | 0.47 | ug/L | J | EPA:314.0 |
| CYN-MW12 28-Oct-10 | Nitrate-Nitrite as N | **10** | 10 | 2 | 0.27 | mg/L | | EPA:300.0 |
| | Perchlorate | 1.4 | NE | 2 | 0.47 | ug/L | J | EPA:314.0 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

NE = Not Established

U = Analyte not detected at or above the reporting limit or MDL

**Table-2 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: High Explosive Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | 1,3,5-trinitrobenzene | 0.02 | 0.12 | 0.02 | U | SW-846:8321A(M) |
| | 1,3-dichlorobenzene | 0.016 | 0.12 | 0.016 | U | SW-846:8321A(M) |
| | 2,4,6-Trinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2,4-Dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 2,6-Dinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2-Amino-4,6-dinitrotoluene | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | 2-nitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 3-Nitrotoluene | 0.029 | 0.12 | 0.029 | U | SW-846:8321A(M) |
| | 4-Amino-2,6-dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 4-Methylnitrobenzene | 0.031 | 0.12 | 0.031 | U | SW-846:8321A(M) |
| | HMX | 0.089 | 0.47 | 0.089 | U | SW-846:8321A(M) |
| | Nitrobenzene | 0.039 | 0.12 | 0.039 | U | SW-846:8321A(M) |
| | RDX | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | Tetryl | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| CYN-MW10 2-Nov-10 | 1,3,5-trinitrobenzene | 0.019 | 0.11 | 0.019 | U | SW-846:8321A(M) |
| | 1,3-dichlorobenzene | 0.016 | 0.11 | 0.016 | U | SW-846:8321A(M) |
| | 2,4,6-Trinitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 2,4-Dinitrotoluene | 0.021 | 0.11 | 0.021 | U | SW-846:8321A(M) |
| | 2,6-Dinitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 2-Amino-4,6-dinitrotoluene | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |
| | 2-nitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 3-Nitrotoluene | 0.028 | 0.11 | 0.028 | U | SW-846:8321A(M) |
| | 4-Amino-2,6-dinitrotoluene | 0.021 | 0.11 | 0.021 | U | SW-846:8321A(M) |
| | 4-Methylnitrobenzene | 0.029 | 0.11 | 0.029 | U | SW-846:8321A(M) |
| | HMX | 0.11 | 0.56 | 0.11 | U | SW-846:8321A(M) |
| | Nitrobenzene | 0.037 | 0.11 | 0.037 | U | SW-846:8321A(M) |
| | RDX | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |
| | Tetryl | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |
| CYN-MW11 1-Nov-10 | 1,3,5-trinitrobenzene | 0.02 | 0.12 | 0.02 | U | SW-846:8321A(M) |
| | 1,3-dichlorobenzene | 0.016 | 0.12 | 0.016 | U | SW-846:8321A(M) |
| | 2,4,6-Trinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2,4-Dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 2,6-Dinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2-Amino-4,6-dinitrotoluene | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | 2-nitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 3-Nitrotoluene | 0.029 | 0.12 | 0.029 | U | SW-846:8321A(M) |
| | 4-Amino-2,6-dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 4-Methylnitrobenzene | 0.03 | 0.12 | 0.03 | U | SW-846:8321A(M) |
| | HMX | 0.11 | 0.59 | 0.11 | U | SW-846:8321A(M) |
| | Nitrobenzene | 0.039 | 0.12 | 0.039 | U | SW-846:8321A(M) |
| | RDX | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | Tetryl | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |

U = Analyte not detected at or above the reporting limit or MDL

**Table-2 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: High Explosive Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW11 1-Nov-10 DUP | 1,3,5-trinitrobenzene | 0.02 | 0.12 | 0.02 | U | SW-846:8321A(M) |
| | 1,3-dichlorobenzene | 0.017 | 0.12 | 0.017 | U | SW-846:8321A(M) |
| | 2,4,6-Trinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2,4-Dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 2,6-Dinitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 2-Amino-4,6-dinitrotoluene | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | 2-nitrotoluene | 0.026 | 0.12 | 0.026 | U | SW-846:8321A(M) |
| | 3-Nitrotoluene | 0.03 | 0.12 | 0.03 | U | SW-846:8321A(M) |
| | 4-Amino-2,6-dinitrotoluene | 0.022 | 0.12 | 0.022 | U | SW-846:8321A(M) |
| | 4-Methylnitrobenzene | 0.031 | 0.12 | 0.031 | U | SW-846:8321A(M) |
| | HMX | 0.11 | 0.59 | 0.11 | U | SW-846:8321A(M) |
| | Nitrobenzene | 0.039 | 0.12 | 0.039 | U | SW-846:8321A(M) |
| | RDX | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| | Tetryl | 0.025 | 0.12 | 0.025 | U | SW-846:8321A(M) |
| CYN-MW12 28-Oct-10 | 1,3,5-trinitrobenzene | 0.019 | 0.11 | 0.019 | U | SW-846:8321A(M) |
| | 1,3-dichlorobenzene | 0.016 | 0.11 | 0.016 | U | SW-846:8321A(M) |
| | 2,4,6-Trinitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 2,4-Dinitrotoluene | 0.022 | 0.11 | 0.022 | U | SW-846:8321A(M) |
| | 2,6-Dinitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 2-Amino-4,6-dinitrotoluene | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |
| | 2-nitrotoluene | 0.025 | 0.11 | 0.025 | U | SW-846:8321A(M) |
| | 3-Nitrotoluene | 0.028 | 0.11 | 0.028 | U | SW-846:8321A(M) |
| | 4-Amino-2,6-dinitrotoluene | 0.022 | 0.11 | 0.022 | U | SW-846:8321A(M) |
| | 4-Methylnitrobenzene | 0.03 | 0.11 | 0.03 | U | SW-846:8321A(M) |
| | HMX | 0.086 | 0.45 | 0.086 | U | SW-846:8321A(M) |
| | Nitrobenzene | 0.038 | 0.11 | 0.038 | U | SW-846:8321A(M) |
| | RDX | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |
| | Tetryl | 0.024 | 0.11 | 0.024 | U | SW-846:8321A(M) |

U = Analyte not detected at or above the reporting limit or MDL

**Table-3 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | Acetone | 3.8 | 20 | 3.8 | U | SW-846:8260B |
| | Benzene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromodichloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromoform | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Bromomethane | 0.22 | 2 | 0.22 | U | SW-846:8260B |
| | Butanone[2-] | 1.8 | 5 | 1.8 | U | SW-846:8260B |
| | Carbon Disulfide | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Carbon tetrachloride | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Chlorobenzene | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Chloroethane | 0.26 | 1 | 0.26 | U | SW-846:8260B |
| | Chloroform | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Chloromethane | 0.2 | 5 | 0.2 | U | SW-846:8260B |
| | Dibromochloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloroethane[1,1-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloroethane[1,2-] | 0.2 | 1 | 0.2 | U | SW-846:8260B |
| | Dichloroethene[cis/trans-1,2-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Dichloroethene[cis-1,2-] | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Dichloroethylene[1,1-] | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Dichloropropane[1,2-] | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloropropylene[cis-1,3-] | 0.17 | 1 | 0.17 | C, L,U | SW-846:8260B |
| | Dichloropropylene[trans-1,3-] | 0.097 | 1 | 0.097 | U | SW-846:8260B |
| | Ethylbenzene | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Hexanone[2-] | 0.31 | 5 | 0.31 | U | SW-846:8260B |
| | Methyl-2-pentanone[4-] | 0.43 | 5 | 0.43 | U | SW-846:8260B |
| | Methylene chloride | 0.5 | 2 | 0.5 | U | SW-846:8260B |
| | Styrene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Tetrachloroethane[1,1,2,2-] | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Tetrachloroethylene | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Toluene | 0.35 | 1 | 0.35 | U | SW-846:8260B |
| | Trichloroethane[1,1,1-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Trichloroethane[1,1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Trichloroethylene | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Vinyl acetate | 0.21 | 1 | 0.21 | U | SW-846:8260B |
| | Vinyl chloride | 0.24 | 1 | 0.24 | U | SW-846:8260B |
| | Xylene (Total) | 0.54 | 2 | 0.54 | U | SW-846:8260B |
| | Xylene(m+p) | 0.35 | 2 | 0.35 | U | SW-846:8260B |
| | Xylene[1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |

C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

**Table-3 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW10 2-Nov-10 | Acetone | 3.8 | 20 | 3.8 | U | SW-846:8260B |
| | Benzene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromodichloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromoform | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Bromomethane | 0.22 | 2 | 0.22 | U | SW-846:8260B |
| | Butanone[2-] | 1.8 | 5 | 1.8 | U | SW-846:8260B |
| | Carbon Disulfide | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Carbon tetrachloride | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Chlorobenzene | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Chloroethane | 0.26 | 1 | 0.26 | U | SW-846:8260B |
| | Chloroform | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Chloromethane | 0.2 | 5 | 0.2 | U | SW-846:8260B |
| | Dibromochloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloroethane[1,1-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloroethane[1,2-] | 0.2 | 1 | 0.2 | U | SW-846:8260B |
| | Dichloroethene[cis/trans-1,2-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Dichloroethene[cis-1,2-] | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Dichloroethylene[1,1-] | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Dichloropropane[1,2-] | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloropropylene[cis-1,3-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloropropylene[trans-1,3-] | 0.097 | 1 | 0.097 | U | SW-846:8260B |
| | Ethylbenzene | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Hexanone[2-] | 0.31 | 5 | 0.31 | U | SW-846:8260B |
| | Methyl-2-pentanone[4-] | 0.43 | 5 | 0.43 | U | SW-846:8260B |
| | Methylene chloride | 0.5 | 2 | 0.5 | U | SW-846:8260B |
| | Styrene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Tetrachloroethane[1,1,2,2-] | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Tetrachloroethylene | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Toluene | 0.35 | 1 | 0.35 | U | SW-846:8260B |
| | Trichloroethane[1,1,1-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Trichloroethane[1,1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Trichloroethylene | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Vinyl acetate | 0.21 | 1 | 0.21 | U | SW-846:8260B |
| | Vinyl chloride | 0.24 | 1 | 0.24 | U | SW-846:8260B |
| | Xylene (Total) | 0.54 | 2 | 0.54 | U | SW-846:8260B |
| | Xylene(m+p) | 0.35 | 2 | 0.35 | U | SW-846:8260B |
| | Xylene[1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |

C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

**Table-3 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW11 1-Nov-10 | Acetone | 3.8 | 20 | 3.8 | C, U | SW-846:8260B |
| | Benzene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromodichloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromoform | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Bromomethane | 0.22 | 2 | 0.22 | U | SW-846:8260B |
| | Butanone[2-] | 1.8 | 5 | 1.8 | U | SW-846:8260B |
| | Carbon Disulfide | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Carbon tetrachloride | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Chlorobenzene | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Chloroethane | 0.26 | 1 | 0.26 | U | SW-846:8260B |
| | Chloroform | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Chloromethane | 0.2 | 5 | 0.2 | U | SW-846:8260B |
| | Dibromochloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloroethane[1,1-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloroethane[1,2-] | 0.2 | 1 | 0.2 | U | SW-846:8260B |
| | Dichloroethene[cis/trans-1,2-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Dichloroethene[cis-1,2-] | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Dichloroethylene[1,1-] | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Dichloropropane[1,2-] | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloropropylene[cis-1,3-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloropropylene[trans-1,3-] | 0.097 | 1 | 0.097 | U | SW-846:8260B |
| | Ethylbenzene | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Hexanone[2-] | 0.31 | 5 | 0.31 | U | SW-846:8260B |
| | Methyl-2-pentanone[4-] | 0.43 | 5 | 0.43 | U | SW-846:8260B |
| | Methylene chloride | 0.5 | 2 | 0.5 | U | SW-846:8260B |
| | Styrene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Tetrachloroethane[1,1,2,2-] | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Tetrachloroethylene | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Toluene | 0.35 | 1 | 0.35 | U | SW-846:8260B |
| | Trichloroethane[1,1,1-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Trichloroethane[1,1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Trichloroethylene | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Vinyl acetate | 0.21 | 1 | 0.21 | U | SW-846:8260B |
| | Vinyl chloride | 0.24 | 1 | 0.24 | U | SW-846:8260B |
| | Xylene (Total) | 0.54 | 2 | 0.54 | U | SW-846:8260B |
| | Xylene(m+p) | 0.35 | 2 | 0.35 | U | SW-846:8260B |
| | Xylene[1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |

C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

**Table-3 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW11 1-Nov-10 DUP | Acetone | 3.8 | 20 | 3.8 | C, U | SW-846:8260B |
| | Benzene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromodichloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromoform | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Bromomethane | 0.22 | 2 | 0.22 | U | SW-846:8260B |
| | Butanone[2-] | 1.8 | 5 | 1.8 | U | SW-846:8260B |
| | Carbon Disulfide | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Carbon tetrachloride | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Chlorobenzene | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Chloroethane | 0.26 | 1 | 0.26 | U | SW-846:8260B |
| | Chloroform | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Chloromethane | 0.2 | 5 | 0.2 | U | SW-846:8260B |
| | Dibromochloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloroethane[1,1-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloroethane[1,2-] | 0.2 | 1 | 0.2 | U | SW-846:8260B |
| | Dichloroethene[cis/trans-1,2-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Dichloroethene[cis-1,2-] | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Dichloroethylene[1,1-] | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Dichloropropane[1,2-] | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloropropylene[cis-1,3-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloropropylene[trans-1,3-] | 0.097 | 1 | 0.097 | U | SW-846:8260B |
| | Ethylbenzene | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Hexanone[2-] | 0.31 | 5 | 0.31 | U | SW-846:8260B |
| | Methyl-2-pentanone[4-] | 0.43 | 5 | 0.43 | U | SW-846:8260B |
| | Methylene chloride | 0.5 | 2 | 0.5 | U | SW-846:8260B |
| | Styrene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Tetrachloroethane[1,1,2,2-] | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Tetrachloroethylene | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Toluene | 0.35 | 1 | 0.35 | U | SW-846:8260B |
| | Trichloroethane[1,1,1-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Trichloroethane[1,1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Trichloroethylene | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Vinyl acetate | 0.21 | 1 | 0.21 | U | SW-846:8260B |
| | Vinyl chloride | 0.24 | 1 | 0.24 | U | SW-846:8260B |
| | Xylene (Total) | 0.54 | 2 | 0.54 | U | SW-846:8260B |
| | Xylene(m+p) | 0.35 | 2 | 0.35 | U | SW-846:8260B |
| | Xylene[1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |

C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

**Table-3 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW12 28-Oct-10 | Acetone | 3.8 | 20 | 3.8 | U | SW-846:8260B |
| | Benzene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromodichloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Bromoform | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Bromomethane | 0.22 | 2 | 0.22 | U | SW-846:8260B |
| | Butanone[2-] | 1.8 | 5 | 1.8 | U | SW-846:8260B |
| | Carbon Disulfide | 0.93 | 1 | 0.18 | J | SW-846:8260B |
| | Carbon tetrachloride | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Chlorobenzene | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Chloroethane | 0.26 | 1 | 0.26 | U | SW-846:8260B |
| | Chloroform | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Chloromethane | 0.2 | 5 | 0.2 | U | SW-846:8260B |
| | Dibromochloromethane | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloroethane[1,1-] | 0.17 | 1 | 0.17 | U | SW-846:8260B |
| | Dichloroethane[1,2-] | 0.2 | 1 | 0.2 | U | SW-846:8260B |
| | Dichloroethene[cis/trans-1,2-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Dichloroethene[cis-1,2-] | 0.18 | 1 | 0.18 | U | SW-846:8260B |
| | Dichloroethylene[1,1-] | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Dichloropropane[1,2-] | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Dichloropropylene[cis-1,3-] | 0.17 | 1 | 0.17 | C, L,U | SW-846:8260B |
| | Dichloropropylene[trans-1,3-] | 0.097 | 1 | 0.097 | U | SW-846:8260B |
| | Ethylbenzene | 0.16 | 1 | 0.16 | U | SW-846:8260B |
| | Hexanone[2-] | 0.31 | 5 | 0.31 | U | SW-846:8260B |
| | Methyl-2-pentanone[4-] | 0.43 | 5 | 0.43 | U | SW-846:8260B |
| | Methylene chloride | 0.5 | 2 | 0.5 | U | SW-846:8260B |
| | Styrene | 0.15 | 1 | 0.15 | U | SW-846:8260B |
| | Tetrachloroethane[1,1,2,2-] | 0.12 | 1 | 0.12 | U | SW-846:8260B |
| | Tetrachloroethylene | 0.23 | 1 | 0.23 | U | SW-846:8260B |
| | Toluene | 0.35 | 1 | 0.35 | U | SW-846:8260B |
| | Trichloroethane[1,1,1-] | 0.22 | 1 | 0.22 | U | SW-846:8260B |
| | Trichloroethane[1,1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Trichloroethylene | 0.19 | 1 | 0.19 | U | SW-846:8260B |
| | Vinyl acetate | 0.21 | 1 | 0.21 | U | SW-846:8260B |
| | Vinyl chloride | 0.24 | 1 | 0.24 | U | SW-846:8260B |
| | Xylene (Total) | 0.54 | 2 | 0.54 | U | SW-846:8260B |
| | Xylene(m+p) | 0.35 | 2 | 0.35 | U | SW-846:8260B |
| | Xylene[1,2-] | 0.19 | 1 | 0.19 | U | SW-846:8260B |

C = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | 1,2,4-Trichlorobenzene | 4 | 12 | 4 | U | SW-846:8270 |
| | 1,2-Dichlorobenzene | 3.3 | 12 | 3.3 | U | SW-846:8270 |
| | 1,3-dichlorobenzene | 3.8 | 12 | 3.8 | U | SW-846:8270 |
| | 1,4-Dichlorobenzene | 3.7 | 12 | 3.7 | U | SW-846:8270 |
| | 2,2'-oxybis[1-chloropropane] | 3.4 | 12 | 3.4 | U | SW-846:8270 |
| | 2,4,5-Trichlorophenol | 3 | 23 | 3 | U | SW-846:8270 |
| | 2,4,6-trichlorophenol | 3.2 | 23 | 3.2 | U | SW-846:8270 |
| | 2,4-Dichlorophenol | 3.9 | 12 | 3.9 | U | SW-846:8270 |
| | 2,4-Dimethylphenol | 6 | 12 | 6 | U | SW-846:8270 |
| | 2,4-dinitrophenol | 22 | 58 | 22 | U | SW-846:8270 |
| | 2,4-Dinitrotoluene | 9.1 | 12 | 9.1 | U | SW-846:8270 |
| | 2,6-Dinitrotoluene | 6.8 | 12 | 6.8 | U | SW-846:8270 |
| | 2-Chloronaphthalene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | 2-Chlorophenol | 4.5 | 12 | 4.5 | U | SW-846:8270 |
| | 2-Methylnaphthalene | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | 2-Methylphenol | 3.5 | 12 | 3.5 | U | SW-846:8270 |
| | 2-Nitroaniline | 8.3 | 12 | 8.3 | U | SW-846:8270 |
| | 2-Nitrophenol | 6.6 | 17 | 6.6 | U | SW-846:8270 |
| | 3,3'-Dichlorobenzidine | 3.6 | 12 | 3.6 | U | SW-846:8270 |
| | 3-Nitroaniline | 7.4 | 12 | 7.4 | U | SW-846:8270 |
| | 4,6-Dinitro-2-Methylphenol | 21 | 58 | 21 | U | SW-846:8270 |
| | 4-Bromophenyl phenyl ether | 3.1 | 12 | 3.1 | U | SW-846:8270 |
| | 4-Chloro-3-methylphenol | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | 4-chloroaniline | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | 4-Chlorophenyl phenyl ether | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | 4-Methylphenol | 6.6 | 12 | 6.6 | U | SW-846:8270 |
| | 4-Nitroaniline | 3.7 | 12 | 3.7 | U | SW-846:8270 |
| | 4-Nitrophenol | 11 | 29 | 11 | U | SW-846:8270 |
| | Acenaphthene | 2.3 | 12 | 2.3 | U | SW-846:8270 |
| | Acenaphthene | 2.5 | 12 | 2.5 | U | SW-846:8270 |
| | Anthracene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Azobenzene | 2.5 | 12 | 2.5 | U | SW-846:8270 |
| | Benzo(a)anthracene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Benzo(a)pyrene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Benzo(b)fluoranthene | 2.4 | 12 | 2.4 | U | SW-846:8270 |
| | Benzo(g,h,i)perylene | 4.1 | 12 | 4.1 | U | SW-846:8270 |
| | Benzo(k)fluoranthene | 3 | 12 | 3 | U | SW-846:8270 |
| | Benzyl Alcohol | 4.8 | 12 | 4.8 | U | SW-846:8270 |
| | Bis(2-chloroethoxy)methane | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | Bis(2-chloroethyl)ether | 2.9 | 12 | 2.9 | U | SW-846:8270 |
| | Bis(2-ethylhexyl)phthalate | 3.4 | 12 | 3.4 | U | SW-846:8270 |
| | Butylbenzylphthalate | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Chrysene | 2.7 | 12 | 2.7 | U | SW-846:8270 |
| | Dibenz(a,h)anthracene | 4.7 | 12 | 4.7 | U | SW-846:8270 |
| | Dibenzofuran | 2.4 | 12 | 2.4 | U | SW-846:8270 |
| | Diethylphthalate | 3 | 12 | 3 | U | SW-846:8270 |
| | Dimethyl Phthalate | 5.7 | 23 | 5.7 | U | SW-846:8270 |
| | Di-n-butylphthalate | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Di-n-octylphthalate | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Fluoranthene | 3 | 12 | 3 | U | SW-846:8270 |
| | Fluorene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Hexachlorobenzene | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Hexachlorobutadiene | 6.6 | 12 | 6.6 | U | SW-846:8270 |
| | Hexachlorocyclopentadiene | 8 | 12 | 8 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | Hexachloroethane | 4.4 | 12 | 4.4 | U | SW-846:8270 |
| | Indeno(1,2,3-cd)pyrene | 4 | 12 | 4 | U | SW-846:8270 |
| | Isophorone | 3 | 12 | 3 | U | SW-846:8270 |
| | Naphthalene | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | Nitrobenzene | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | N-Nitrosodiphenylamine | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | N-nitrosodipropylamine | 3.6 | 12 | 3.6 | U | SW-846:8270 |
| | Pentachlorophenol | 16 | 58 | 16 | U | SW-846:8270 |
| | Phenanthrene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Phenol | 4.4 | 12 | 4.4 | U | SW-846:8270 |
| | Pyrene | 2.5 | 12 | 2.5 | U | SW-846:8270 |
| CYN-MW10 2-Nov-10 | 1,2,4-Trichlorobenzene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | 1,2-Dichlorobenzene | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 1,3-dichlorobenzene | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 1,4-Dichlorobenzene | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 2,2'-oxybis[1-chloropropane] | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | 2,4,5-Trichlorophenol | 3 | 23 | 3 | U | SW-846:8270 |
| | 2,4,6-trichlorophenol | 3.1 | 23 | 3.1 | U | SW-846:8270 |
| | 2,4-Dichlorophenol | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 2,4-Dimethylphenol | 5.9 | 11 | 5.9 | U | SW-846:8270 |
| | 2,4-dinitrophenol | 21 | 57 | 21 | U | SW-846:8270 |
| | 2,4-Dinitrotoluene | 8.9 | 11 | 8.9 | U | SW-846:8270 |
| | 2,6-Dinitrotoluene | 6.6 | 11 | 6.6 | U | SW-846:8270 |
| | 2-Chloronaphthalene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 2-Chlorophenol | 4.4 | 11 | 4.4 | U | SW-846:8270 |
| | 2-Methylnaphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 2-Methylphenol | 3.4 | 11 | 3.4 | U | SW-846:8270 |
| | 2-Nitroaniline | 8.2 | 11 | 8.2 | U | SW-846:8270 |
| | 2-Nitrophenol | 6.5 | 17 | 6.5 | U | SW-846:8270 |
| | 3,3'-Dichlorobenzidine | 3.5 | 11 | 3.5 | U | SW-846:8270 |
| | 3-Nitroaniline | 7.3 | 11 | 7.3 | U | SW-846:8270 |
| | 4,6-Dinitro-2-Methylphenol | 21 | 57 | 21 | U | SW-846:8270 |
| | 4-Bromophenyl phenyl ether | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 4-Chloro-3-methylphenol | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 4-chloroaniline | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 4-Chlorophenyl phenyl ether | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | 4-Methylphenol | 6.5 | 11 | 6.5 | U | SW-846:8270 |
| | 4-Nitroaniline | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 4-Nitrophenol | 10 | 28 | 10 | U | SW-846:8270 |
| | Acenaphthene | 2.3 | 11 | 2.3 | U | SW-846:8270 |
| | Acenaphthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Azobenzene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(a)anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(a)pyrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(b)fluoranthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Benzo(g,h,i)perylene | 4 | 11 | 4 | U | SW-846:8270 |
| | Benzo(k)fluoranthene | 3 | 11 | 3 | U | SW-846:8270 |
| | Benzyl Alcohol | 4.7 | 11 | 4.7 | U | SW-846:8270 |
| | Bis(2-chloroethoxy)methane | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | Bis(2-chloroethyl)ether | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Bis(2-ethylhexyl)phthalate | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | Butylbenzylphthalate | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Chrysene | 2.7 | 11 | 2.7 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW10 2-Nov-10 | Dibenz(a,h)anthracene | 4.6 | 11 | 4.6 | U | SW-846:8270 |
| | Dibenzofuran | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Diethylphthalate | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Dimethyl Phthalate | 5.6 | 23 | 5.6 | U | SW-846:8270 |
| | Di-n-butylphthalate | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Di-n-octylphthalate | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Fluoranthene | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Fluorene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Hexachlorobenzene | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Hexachlorobutadiene | 6.4 | 11 | 6.4 | U | SW-846:8270 |
| | Hexachlorocyclopentadiene | 7.8 | 11 | 7.8 | U | SW-846:8270 |
| | Hexachloroethane | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Indeno(1,2,3-cd)pyrene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | Isophorone | 3 | 11 | 3 | U | SW-846:8270 |
| | Naphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | Nitrobenzene | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-Nitrosodiphenylamine | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-nitrosodipropylamine | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | Pentachlorophenol | 16 | 57 | 16 | U | SW-846:8270 |
| | Phenanthrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Phenol | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Pyrene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| CYN-MW11 1-Nov-10 | 1,2,4-Trichlorobenzene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | 1,2-Dichlorobenzene | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 1,3-dichlorobenzene | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 1,4-Dichlorobenzene | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 2,2'-oxybis[1-chloropropane] | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | 2,4,5-Trichlorophenol | 3 | 23 | 3 | U | SW-846:8270 |
| | 2,4,6-trichlorophenol | 3.1 | 23 | 3.1 | U | SW-846:8270 |
| | 2,4-Dichlorophenol | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 2,4-Dimethylphenol | 5.9 | 11 | 5.9 | U | SW-846:8270 |
| | 2,4-dinitrophenol | 21 | 57 | 21 | U | SW-846:8270 |
| | 2,4-Dinitrotoluene | 8.9 | 11 | 8.9 | U | SW-846:8270 |
| | 2,6-Dinitrotoluene | 6.6 | 11 | 6.6 | U | SW-846:8270 |
| | 2-Chloronaphthalene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 2-Chlorophenol | 4.4 | 11 | 4.4 | U | SW-846:8270 |
| | 2-Methylnaphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 2-Methylphenol | 3.4 | 11 | 3.4 | U | SW-846:8270 |
| | 2-Nitroaniline | 8.2 | 11 | 8.2 | U | SW-846:8270 |
| | 2-Nitrophenol | 6.5 | 17 | 6.5 | U | SW-846:8270 |
| | 3,3'-Dichlorobenzidine | 3.5 | 11 | 3.5 | U | SW-846:8270 |
| | 3-Nitroaniline | 7.3 | 11 | 7.3 | U | SW-846:8270 |
| | 4,6-Dinitro-2-Methylphenol | 21 | 57 | 21 | U | SW-846:8270 |
| | 4-Bromophenyl phenyl ether | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 4-Chloro-3-methylphenol | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 4-chloroaniline | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 4-Chlorophenyl phenyl ether | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | 4-Methylphenol | 6.5 | 11 | 6.5 | U | SW-846:8270 |
| | 4-Nitroaniline | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 4-Nitrophenol | 10 | 28 | 10 | U | SW-846:8270 |
| | Acenaphthene | 2.3 | 11 | 2.3 | U | SW-846:8270 |
| | Acenaphthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Azobenzene | 2.5 | 11 | 2.5 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW11 1-Nov-10 | Benzo(a)anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(a)pyrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(b)fluoranthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Benzo(g,h,i)perylene | 4 | 11 | 4 | U | SW-846:8270 |
| | Benzo(k)fluoranthene | 3 | 11 | 3 | U | SW-846:8270 |
| | Benzyl Alcohol | 4.7 | 11 | 4.7 | U | SW-846:8270 |
| | Bis(2-chloroethoxy)methane | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | Bis(2-chloroethyl)ether | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Bis(2-ethylhexyl)phthalate | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | Butylbenzylphthalate | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Chrysene | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | Dibenz(a,h)anthracene | 4.6 | 11 | 4.6 | U | SW-846:8270 |
| | Dibenzofuran | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Diethylphthalate | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Dimethyl Phthalate | 5.6 | 23 | 5.6 | U | SW-846:8270 |
| | Di-n-butylphthalate | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Di-n-octylphthalate | 5.4 | 11 | 2.8 | J | SW-846:8270 |
| | Fluoranthene | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Fluorene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Hexachlorobenzene | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Hexachlorobutadiene | 6.4 | 11 | 6.4 | U | SW-846:8270 |
| | Hexachlorocyclopentadiene | 7.8 | 11 | 7.8 | U | SW-846:8270 |
| | Hexachloroethane | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Indeno(1,2,3-cd)pyrene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | Isophorone | 3 | 11 | 3 | U | SW-846:8270 |
| | Naphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | Nitrobenzene | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-Nitrosodiphenylamine | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-nitrosodipropylamine | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | Pentachlorophenol | 16 | 57 | 16 | U | SW-846:8270 |
| | Phenanthrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Phenol | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Pyrene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| CYN-MW11 1-Nov-10 DUP | 1,2,4-Trichlorobenzene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | 1,2-Dichlorobenzene | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 1,3-dichlorobenzene | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 1,4-Dichlorobenzene | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 2,2'-oxybis[1-chloropropane] | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | 2,4,5-Trichlorophenol | 3 | 23 | 3 | U | SW-846:8270 |
| | 2,4,6-trichlorophenol | 3.1 | 23 | 3.1 | U | SW-846:8270 |
| | 2,4-Dichlorophenol | 3.8 | 11 | 3.8 | U | SW-846:8270 |
| | 2,4-Dimethylphenol | 5.9 | 11 | 5.9 | U | SW-846:8270 |
| | 2,4-dinitrophenol | 21 | 57 | 21 | U | SW-846:8270 |
| | 2,4-Dinitrotoluene | 8.9 | 11 | 8.9 | U | SW-846:8270 |
| | 2,6-Dinitrotoluene | 6.6 | 11 | 6.6 | U | SW-846:8270 |
| | 2-Chloronaphthalene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 2-Chlorophenol | 4.4 | 11 | 4.4 | U | SW-846:8270 |
| | 2-Methylnaphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 2-Methylphenol | 3.4 | 11 | 3.4 | U | SW-846:8270 |
| | 2-Nitroaniline | 8.2 | 11 | 8.2 | U | SW-846:8270 |
| | 2-Nitrophenol | 6.5 | 17 | 6.5 | U | SW-846:8270 |
| | 3,3'-Dichlorobenzidine | 3.5 | 11 | 3.5 | U | SW-846:8270 |
| | 3-Nitroaniline | 7.3 | 11 | 7.3 | U | SW-846:8270 |
| | 4,6-Dinitro-2-Methylphenol | 21 | 57 | 21 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW11 1-Nov-10 DUP | 4-Bromophenyl phenyl ether | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | 4-Chloro-3-methylphenol | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | 4-chloroaniline | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | 4-Chlorophenyl phenyl ether | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | 4-Methylphenol | 6.5 | 11 | 6.5 | U | SW-846:8270 |
| | 4-Nitroaniline | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | 4-Nitrophenol | 10 | 28 | 10 | U | SW-846:8270 |
| | Acenaphthene | 2.3 | 11 | 2.3 | U | SW-846:8270 |
| | Acenaphthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Azobenzene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(a)anthracene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(a)pyrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Benzo(b)fluoranthene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Benzo(g,h,i)perylene | 4 | 11 | 4 | U | SW-846:8270 |
| | Benzo(k)fluoranthene | 3 | 11 | 3 | U | SW-846:8270 |
| | Benzyl Alcohol | 4.7 | 11 | 4.7 | U | SW-846:8270 |
| | Bis(2-chloroethoxy)methane | 3.2 | 11 | 3.2 | U | SW-846:8270 |
| | Bis(2-chloroethyl)ether | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Bis(2-ethylhexyl)phthalate | 3.3 | 11 | 3.3 | U | SW-846:8270 |
| | Butylbenzylphthalate | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Chrysene | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | Dibenz(a,h)anthracene | 4.6 | 11 | 4.6 | U | SW-846:8270 |
| | Dibenzofuran | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| | Diethylphthalate | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Dimethyl Phthalate | 5.6 | 23 | 5.6 | U | SW-846:8270 |
| | Di-n-butylphthalate | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Di-n-octylphthalate | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Fluoranthene | 2.9 | 11 | 2.9 | U | SW-846:8270 |
| | Fluorene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Hexachlorobenzene | 2.8 | 11 | 2.8 | U | SW-846:8270 |
| | Hexachlorobutadiene | 6.4 | 11 | 6.4 | U | SW-846:8270 |
| | Hexachlorocyclopentadiene | 7.8 | 11 | 7.8 | U | SW-846:8270 |
| | Hexachloroethane | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Indeno(1,2,3-cd)pyrene | 3.9 | 11 | 3.9 | U | SW-846:8270 |
| | Isophorone | 3 | 11 | 3 | U | SW-846:8270 |
| | Naphthalene | 3.1 | 11 | 3.1 | U | SW-846:8270 |
| | Nitrobenzene | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-Nitrosodiphenylamine | 2.7 | 11 | 2.7 | U | SW-846:8270 |
| | N-nitrosodipropylamine | 3.6 | 11 | 3.6 | U | SW-846:8270 |
| | Pentachlorophenol | 16 | 57 | 16 | U | SW-846:8270 |
| | Phenanthrene | 2.5 | 11 | 2.5 | U | SW-846:8270 |
| | Phenol | 4.3 | 11 | 4.3 | U | SW-846:8270 |
| | Pyrene | 2.4 | 11 | 2.4 | U | SW-846:8270 |
| CYN-MW12 28-Oct-10 | 1,2,4-Trichlorobenzene | 4 | 12 | 4 | U | SW-846:8270 |
| | 1,2-Dichlorobenzene | 3.3 | 12 | 3.3 | U | SW-846:8270 |
| | 1,3-dichlorobenzene | 3.8 | 12 | 3.8 | U | SW-846:8270 |
| | 1,4-Dichlorobenzene | 3.7 | 12 | 3.7 | U | SW-846:8270 |
| | 2,2'-oxybis[1-chloropropane] | 3.4 | 12 | 3.4 | U | SW-846:8270 |
| | 2,4,5-Trichlorophenol | 3 | 23 | 3 | U | SW-846:8270 |
| | 2,4,6-trichlorophenol | 3.2 | 23 | 3.2 | U | SW-846:8270 |
| | 2,4-Dichlorophenol | 3.9 | 12 | 3.9 | U | SW-846:8270 |
| | 2,4-Dimethylphenol | 6 | 12 | 6 | U | SW-846:8270 |
| | 2,4-dinitrophenol | 22 | 58 | 22 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-4 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Semi-Volatile Organic Compounds**

| Monitoring Well/ Sample Date | Analyte | Result (µg/L) | Quantitation Limit (µg/L) | MDL (µg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW12 28-Oct-10 | 2,4-Dinitrotoluene | 9.1 | 12 | 9.1 | U | SW-846:8270 |
| | 2,6-Dinitrotoluene | 6.8 | 12 | 6.8 | U | SW-846:8270 |
| | 2-Chloronaphthalene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | 2-Chlorophenol | 4.5 | 12 | 4.5 | U | SW-846:8270 |
| | 2-Methylnaphthalene | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | 2-Methylphenol | 3.5 | 12 | 3.5 | U | SW-846:8270 |
| | 2-Nitroaniline | 8.3 | 12 | 8.3 | U | SW-846:8270 |
| | 2-Nitrophenol | 6.6 | 17 | 6.6 | U | SW-846:8270 |
| | 3,3'-Dichlorobenzidine | 3.6 | 12 | 3.6 | U | SW-846:8270 |
| | 3-Nitroaniline | 7.4 | 12 | 7.4 | U | SW-846:8270 |
| | 4,6-Dinitro-2-Methylphenol | 21 | 58 | 21 | U | SW-846:8270 |
| | 4-Bromophenyl phenyl ether | 3.1 | 12 | 3.1 | U | SW-846:8270 |
| | 4-Chloro-3-methylphenol | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | 4-chloroaniline | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | 4-Chlorophenyl phenyl ether | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | 4-Methylphenol | 6.6 | 12 | 6.6 | U | SW-846:8270 |
| | 4-Nitroaniline | 3.7 | 12 | 3.7 | U | SW-846:8270 |
| | 4-Nitrophenol | 11 | 29 | 11 | U | SW-846:8270 |
| | Acenaphthene | 2.3 | 12 | 2.3 | U | SW-846:8270 |
| | Acenaphthene | 2.5 | 12 | 2.5 | U | SW-846:8270 |
| | Anthracene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Azobenzene | 2.5 | 12 | 2.5 | U | SW-846:8270 |
| | Benzo(a)anthracene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Benzo(a)pyrene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Benzo(b)fluoranthene | 2.4 | 12 | 2.4 | U | SW-846:8270 |
| | Benzo(g,h,i)perylene | 4.1 | 12 | 4.1 | U | SW-846:8270 |
| | Benzo(k)fluoranthene | 3 | 12 | 3 | U | SW-846:8270 |
| | Benzyl Alcohol | 4.8 | 12 | 4.8 | U | SW-846:8270 |
| | Bis(2-chloroethoxy)methane | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | Bis(2-chloroethyl)ether | 2.9 | 12 | 2.9 | U | SW-846:8270 |
| | Bis(2-ethylhexyl)phthalate | 3.4 | 12 | 3.4 | U | SW-846:8270 |
| | Butylbenzylphthalate | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Chrysene | 2.7 | 12 | 2.7 | U | SW-846:8270 |
| | Dibenz(a,h)anthracene | 4.7 | 12 | 4.7 | U | SW-846:8270 |
| | Dibenzofuran | 2.4 | 12 | 2.4 | U | SW-846:8270 |
| | Diethylphthalate | 3 | 12 | 3 | U | SW-846:8270 |
| | Dimethyl Phthalate | 5.7 | 23 | 5.7 | U | SW-846:8270 |
| | Di-n-butylphthalate | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Di-n-octylphthalate | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Fluoranthene | 3 | 12 | 3 | U | SW-846:8270 |
| | Fluorene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Hexachlorobenzene | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | Hexachlorobutadiene | 6.6 | 12 | 6.6 | U | SW-846:8270 |
| | Hexachlorocyclopentadiene | 8 | 12 | 8 | U | SW-846:8270 |
| | Hexachloroethane | 4.4 | 12 | 4.4 | U | SW-846:8270 |
| | Indeno(1,2,3-cd)pyrene | 4 | 12 | 4 | U | SW-846:8270 |
| | Isophorone | 3 | 12 | 3 | U | SW-846:8270 |
| | Naphthalene | 3.2 | 12 | 3.2 | U | SW-846:8270 |
| | Nitrobenzene | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | N-Nitrosodiphenylamine | 2.8 | 12 | 2.8 | U | SW-846:8270 |
| | N-nitrosodipropylamine | 3.6 | 12 | 3.6 | U | SW-846:8270 |
| | Pentachlorophenol | 16 | 58 | 16 | U | SW-846:8270 |
| | Phenanthrene | 2.6 | 12 | 2.6 | U | SW-846:8270 |
| | Phenol | 4.4 | 12 | 4.4 | U | SW-846:8270 |
| | Pyrene | 2.5 | 12 | 2.5 | U | SW-846:8270 |

J = Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).

U = Analyte not detected at or above the reporting limit or MDL

**Table-5 NMED DOE OB FFY 2011 Q-1 Burn Site Groundwater Quality Results: Diesel/Gasoline/Oil Range Organics**

| Monitoring Well/ Sample Date | Analyte | Result (mg/L) | Quantitation Limit (mg/L) | MDL (mg/L) | Laboratory Qualifier | Analytical Method |
|---|---|---|---|---|---|---|
| CYN-MW9 27-Oct-10 | Diesel Range Organics | 0.11 | 0.11 | 0.11 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Diesel Range Organics | 0.26 | 0.33 | 0.26 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Gasoline Range Organics | 0.021 | 0.2 | 0.021 | U | SW-846:8015A/B |
| | TPH - Oil Range Organics | 0.15 | 0.22 | 0.15 | U | SW-846:8015A/B |
| CYN-MW10 2-Nov-10 | Diesel Range Organics | 0.11 | 0.11 | 0.11 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Diesel Range Organics | 0.26 | 0.33 | 0.26 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Gasoline Range Organics | 0.021 | 0.2 | 0.021 | U | SW-846:8015A/B |
| | TPH - Oil Range Organics | 0.15 | 0.22 | 0.15 | U | SW-846:8015A/B |
| CYN-MW11 1-Nov-10 | Diesel Range Organics | 0.11 | 0.11 | 0.11 | L,U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Diesel Range Organics | 0.26 | 0.33 | 0.26 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Gasoline Range Organics | 0.021 | 0.2 | 0.021 | U | SW-846:8015A/B |
| | TPH - Oil Range Organics | 0.15 | 0.22 | 0.15 | U | SW-846:8015A/B |
| CYN-MW11 1-Nov-10 DUP | Diesel Range Organics | 0.11 | 0.11 | 0.11 | L, U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Diesel Range Organics | 0.26 | 0.33 | 0.26 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Gasoline Range Organics | 0.021 | 0.2 | 0.021 | U | SW-846:8015A/B |
| | TPH - Oil Range Organics | 0.15 | 0.22 | 0.15 | U | SW-846:8015A/B |
| CYN-MW12 28-Oct-10 | Diesel Range Organics | 0.11 | 0.11 | 0.11 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Diesel Range Organics | 0.26 | 0.33 | 0.26 | U | SW-846:8015A/B |
| | Total Petroleum Hydrocarbons Gasoline Range Organics | 0.021 | 0.2 | 0.021 | U | SW-846:8015A/B |
| | TPH - Oil Range Organics | 0.15 | 0.22 | 0.15 | U | SW-846:8015A/B |

L = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

U = Analyte not detected at or above the reporting limit or MDL

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