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Groundwater Monitoring at Sandia National Laboratories/New Mexico Burn Site Conducted by NMED DOE OB for FFY 2011 Q-2

The New Mexico Environment Department (NMED) DOE Oversight Bureau (Bureau) has compiled and assessed groundwater data collected during January and February 2011. The Bureau collected groundwater samples from Burn Site groundwater monitoring wells CYN-MW1D, CYN-MW3, CYN-MW4, CYN-MW6, CYN-MW7, CYN-MW8 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. Several 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-MW3 (11 mg/L), CYN-MW6 (23 mg/L), CYN-MW9 (31 mg/L), CYN-MW11 (10 mg/L) and CYN-MW12 (11 mg/L). The perchlorate concentration in the sample collected from CYN-MW6 exceeded NMED COOC screening level of 4 µg/L. The perchlorate concentration from CYN-MW6 was 4.7 µg/L.

Analytical results for High Explosives (HE) are listed in Table-2. No HE compounds were detected above the MDL.

Analytical results for gasoline/diesel/oil organic compounds, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) 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 N & Perchlorate Results
(2) Table-2 High Explosive Compounds Results
(3) Table-3 Diesel/Gasoline/Oil Range Organic Compounds Results
(4) Table-4 Volatile Organic Compounds Results
(5) Table-5 Semi-Volatile Organic Compounds Results

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Table-1 NMED DOE OB FFY 2011 Q-2 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-MW1D 7-Feb-11	Nitrate-Nitrite as N	9.1	10	2	0.27	mg/L		EPA:300.0
CYN-MW3 31-Jan-11	Nitrate-Nitrite as N	**11**	10	2	0.27	mg/L		EPA:300.0
CYN-MW4 27-Jan-11	Nitrate-Nitrite as N	0.27	10	2	0.27	mg/L	RL1,U	EPA:300.0
CYN-MW6 14-Feb-11	Nitrate-Nitrite as N	**23**	10	2	0.27	mg/L		EPA:300.0
	Perchlorate	4.7	NE	2	0.47	ug/L		EPA:314.0
CYN-MW7 26-Jan-11	Nitrate-Nitrite as N	2	10	2	0.27	mg/L		EPA:300.0
CYN-MW8 25-Jan-11	Nitrate-Nitrite as N	4.8	10	2	0.27	mg/L		EPA:300.0
CYN-MW9 15-Feb-11	Nitrate-Nitrite as N	**31**	10	2	0.27	mg/L		EPA:300.0
	Perchlorate	1.3	NE	2	0.47	ug/L	J	EPA:314.0
CYN-MW10 9-Feb-11	Nitrate-Nitrite as N	9.7	10	2	0.27	mg/L		EPA:300.0
	Perchlorate	0.47	NE	2	0.47	ug/L	U	EPA:314.0
CYN-MW11 8-Feb-11	Nitrate-Nitrite as N	**10**	10	2	0.27	mg/L		EPA:300.0
	Perchlorate	0.75	NE	2	0.47	ug/L	J	EPA:314.0
CYN-MW12 10-Feb-11	Nitrate-Nitrite as N	**11**	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

RL1 = Reporting limit raised due to sample matrix effects.

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

Table-2 NMED DOE OB FFY 2011 Q-2 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 15-Feb-11	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	0.024	0.12	0.024	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	0.022	0.12	0.022	U	SW-846:8321A(M)
	Nitrobenzene	0.038	0.12	0.038	U	SW-846:8321A(M)
	RDX	0.024	0.12	0.024	U	SW-846:8321A(M)
	Tetryl	0.024	0.12	0.024	U	SW-846:8321A(M)
CYN-MW10 9-Feb-11	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	0.024	0.12	0.024	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	0.58	0.11	U	SW-846:8321A(M)
	Nitrobenzene	0.038	0.12	0.038	U	SW-846:8321A(M)
	RDX	0.024	0.12	0.024	U	SW-846:8321A(M)
	Tetryl	0.024	0.12	0.024	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-2 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 8-Feb-11	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	0.023	0.12	0.023	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	0.023	0.12	0.023	U	SW-846:8321A(M)
	4-Methylnitrobenzene	0.031	0.12	0.031	U	SW-846:8321A(M)
	HMX	0.11	0.6	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 10-Feb-11	1,3,5-trinitrobenzene	0.1	0.59	0.1	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	0.023	0.12	0.023	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	0.023	0.12	0.023	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	0.12	0.59	0.12	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-3 NMED DOE OB FFY 2011 Q-2 Burn Site Groundwater Quality Results: Gasoline/Diesel/Oil Range Organics

Monitoring Well/ Sample Date	Analyte	Result (mg/L)	Quantitation Limit (mg/L)	MDL (mg/L)	Laboratory Qualifier	Analytical Method
CYN-MW1D 7-Feb-11	Diesel Range Organics	0.11	0.11	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.34	0.27	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	0.23	0.15	U	SW-846:8015A/B
CYN-MW3 31-Jan-11	Diesel Range Organics	0.098	0.1	0.098	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.23	0.3	0.23	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	0.14	0.2	0.13	J	SW-846:8015A/B
CYN-MW4 27-Jan-11	Diesel Range Organics	0.11	0.11	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.34	0.27	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	0.23	0.15	U	SW-846:8015A/B
CYN-MW6 14-Feb-11	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-MW7 26-Jan-11	Diesel Range Organics	0.11	0.11	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.34	0.27	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	0.23	0.15	U	SW-846:8015A/B
CYN-MW8 25-Jan-11	Diesel Range Organics	0.11	0.11	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.34	0.27	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	0.23	0.15	U	SW-846:8015A/B

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-3 NMED DOE OB FFY 2011 Q-2 Burn Site Groundwater Quality Results: Gasoline/Diesel/Oil Range Organics

Monitoring Well/ Sample Date	Analyte	Result (mg/L)	Quantitation Limit (mg/L)	MDL (mg/L)	Laboratory Qualifier	Analytical Method
CYN-MW9 15-Feb-11	Diesel Range Organics	0.12	0.12	0.12	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.28	0.36	0.28	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	0.16	0.24	0.16	U	SW-846:8015A/B
CYN-MW10 9-Feb-11	Diesel Range Organics	0.11	0.12	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.35	0.27	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	0.16	0.24	0.16	U	SW-846:8015A/B
CYN-MW11 8-Feb-11	Diesel Range Organics	0.11	0.12	0.11	U	SW-846:8015A/B
	Total Petroleum Hydrocarbons Diesel Range Organics	0.27	0.35	0.27	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	0.16	0.24	0.16	U	SW-846:8015A/B
CYN-MW12 10-Feb-11	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

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-2 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 15-Feb-11	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

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-2 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 9-Feb-11	Acetone	18	20	3.8	J	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

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-2 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 8-Feb-11	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	J	SW-846:8260B

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-2 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 10-Feb-11	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

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-2 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 15-Feb-11	1,2,4-Trichlorobenzene	3.5	10	3.5	U	SW-846:8270
	1,2-Dichlorobenzene	2.8	10	2.8	U	SW-846:8270
	1,3-dichlorobenzene	3.3	10	3.3	U	SW-846:8270
	1,4-Dichlorobenzene	3.2	10	3.2	U	SW-846:8270
	2,2'-oxybis[1-chloropropane]	2.9	10	2.9	U	SW-846:8270
	2,4,5-Trichlorophenol	2.6	20	2.6	U	SW-846:8270
	2,4,6-trichlorophenol	2.8	20	2.8	U	SW-846:8270
	2,4-Dichlorophenol	3.3	10	3.3	U	SW-846:8270
	2,4-Dimethylphenol	5.2	10	5.2	U	SW-846:8270
	2,4-dinitrophenol	19	50	19	U	SW-846:8270
	2,4-Dinitrotoluene	7.9	10	7.9	U	SW-846:8270
	2,6-Dinitrotoluene	5.8	10	5.8	U	SW-846:8270
	2-Chloronaphthalene	2.2	10	2.2	U	SW-846:8270
	2-Chlorophenol	3.8	10	3.8	U	SW-846:8270
	2-Methylnaphthalene	2.7	10	2.7	U	SW-846:8270
	2-Methylphenol	3	10	3	U	SW-846:8270
	2-Nitroaniline	7.2	10	7.2	U	SW-846:8270
	2-Nitrophenol	5.7	15	5.7	U	SW-846:8270
	3,3'-Dichlorobenzidine	3.1	10	3.1	U	SW-846:8270
	3-Nitroaniline	6.4	10	6.4	U	SW-846:8270
	4,6-Dinitro-2-Methylphenol	18	50	18	U	SW-846:8270
	4-Bromophenyl phenyl ether	2.7	10	2.7	U	SW-846:8270
	4-Chloro-3-methylphenol	2.8	10	2.8	U	SW-846:8270
	4-chloroaniline	2.2	10	2.2	U	SW-846:8270
	4-Chlorophenyl phenyl ether	2.4	10	2.4	U	SW-846:8270
	4-Methylphenol	5.7	10	5.7	U	SW-846:8270
	4-Nitroaniline	3.2	10	3.2	U	SW-846:8270
	4-Nitrophenol	9.2	25	9.2	U	SW-846:8270
	Acenaphthene	2.1	10	2.1	U	SW-846:8270
	Acenaphthene	2.1	10	2.1	U	SW-846:8270
	Anthracene	2.2	10	2.2	U	SW-846:8270
	Azobenzene	2.2	10	2.2	U	SW-846:8270
	Benzo(a)anthracene	2.2	10	2.2	U	SW-846:8270
	Benzo(a)pyrene	2.2	10	2.2	U	SW-846:8270
	Benzo(b)fluoranthene	2.1	10	2.1	U	SW-846:8270
	Benzo(g,h,i)perylene	3.5	10	3.5	U	SW-846:8270
	Benzo(k)fluoranthene	2.6	10	2.6	U	SW-846:8270
	Benzyl Alcohol	4.1	10	4.1	U	SW-846:8270
	Bis(2-chloroethoxy)methane	2.8	10	2.8	U	SW-846:8270
	Bis(2-chloroethyl)ether	2.5	10	2.5	U	SW-846:8270
	Bis(2-ethylhexyl)phthalate	2.9	10	2.9	U	SW-846:8270
	Butylbenzylphthalate	2.2	10	2.2	U	SW-846:8270
	Chrysene	2.3	10	2.3	U	SW-846:8270
	Dibenz(a,h)anthracene	4.1	10	4.1	U	SW-846:8270
	Dibenzofuran	2.2	10	2.2	U	SW-846:8270
	Diethylphthalate	2.5	10	2.5	U	SW-846:8270
	Dimethyl Phthalate	4.9	20	4.9	U	SW-846:8270
	Di-n-butylphthalate	2.4	10	2.4	U	SW-846:8270
	Di-n-octylphthalate	2.4	10	2.4	U	SW-846:8270

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

Table-5 NMED DOE OB FFY 2011 Q-2 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 15-Feb-11	Fluoranthene	2.6	10	2.6	U	SW-846:8270
	Fluorene	2.2	10	2.2	U	SW-846:8270
	Hexachlorobenzene	2.4	10	2.4	U	SW-846:8270
	Hexachlorobutadiene	5.6	10	5.6	U	SW-846:8270
	Hexachlorocyclopentadiene	6.9	10	6.9	U	SW-846:8270
	Hexachloroethane	3.8	10	3.8	U	SW-846:8270
	Indeno(1,2,3-cd)pyrene	3.5	10	3.5	U	SW-846:8270
	Isophorone	2.6	10	2.6	U	SW-846:8270
	Naphthalene	2.7	10	2.7	U	SW-846:8270
	Nitrobenzene	2.4	10	2.4	U	SW-846:8270
	N-Nitrosodiphenylamine	2.4	10	2.4	U	SW-846:8270
	N-nitrosodipropylamine	3.1	10	3.1	U	SW-846:8270
	Pentachlorophenol	14	50	14	U	SW-846:8270
	Phenanthrene	2.2	10	2.2	U	SW-846:8270
	Phenol	3.8	10	3.8	U	SW-846:8270
	Pyrene	2.1	10	2.1	U	SW-846:8270
CYN-MW10 9-Feb-11	1,2,4-Trichlorobenzene	4.1	12	4.1	U	SW-846:8270
	1,2-Dichlorobenzene	3.4	12	3.4	U	SW-846:8270
	1,3-dichlorobenzene	3.9	12	3.9	U	SW-846:8270
	1,4-Dichlorobenzene	3.8	12	3.8	U	SW-846:8270
	2,2'-oxybis[1-chloropropane]	3.4	12	3.4	U	SW-846:8270
	2,4,5-Trichlorophenol	3.1	24	3.1	U	SW-846:8270
	2,4,6-trichlorophenol	3.3	24	3.3	U	SW-846:8270
	2,4-Dichlorophenol	4	12	4	U	SW-846:8270
	2,4-Dimethylphenol	6.2	12	6.2	U	SW-846:8270
	2,4-dinitrophenol	22	60	22	U	SW-846:8270
	2,4-Dinitrotoluene	9.3	12	9.3	U	SW-846:8270
	2,6-Dinitrotoluene	6.9	12	6.9	U	SW-846:8270
	2-Chloronaphthalene	2.7	12	2.7	U	SW-846:8270
	2-Chlorophenol	4.6	12	4.6	U	SW-846:8270
	2-Methylnaphthalene	3.2	12	3.2	U	SW-846:8270
	2-Methylphenol	3.6	12	3.6	U	SW-846:8270
	2-Nitroaniline	8.5	12	8.5	U	SW-846:8270
	2-Nitrophenol	6.8	18	6.8	U	SW-846:8270
	3,3'-Dichlorobenzidine	3.7	12	3.7	U	SW-846:8270
	3-Nitroaniline	7.6	12	7.6	U	SW-846:8270
	4,6-Dinitro-2-Methylphenol	22	60	22	U	SW-846:8270
	4-Bromophenyl phenyl ether	3.2	12	3.2	U	SW-846:8270
	4-Chloro-3-methylphenol	3.3	12	3.3	U	SW-846:8270
	4-chloroaniline	2.7	12	2.7	U	SW-846:8270
	4-Chlorophenyl phenyl ether	2.8	12	2.8	U	SW-846:8270
	4-Methylphenol	6.8	12	6.8	U	SW-846:8270
	4-Nitroaniline	3.8	12	3.8	U	SW-846:8270
	4-Nitrophenol	11	30	11	U	SW-846:8270
	Acenaphthene	2.6	12	2.6	U	SW-846:8270
	Acenaphthene	2.5	12	2.5	U	SW-846:8270
	Anthracene	2.7	12	2.7	U	SW-846:8270
	Azobenzene	2.6	12	2.6	U	SW-846:8270
	Benzo(a)anthracene	2.6	12	2.6	U	SW-846:8270
	Benzo(a)pyrene	2.7	12	2.7	U	SW-846:8270
	Benzo(b)fluoranthene	2.5	12	2.5	U	SW-846:8270

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

Table-5 NMED DOE OB FFY 2011 Q-2 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 9-Feb-11	Benzo(g,h,i)perylene	4.2	12	4.2	U	SW-846:8270
	Benzo(k)fluoranthene	3.1	12	3.1	U	SW-846:8270
	Benzyl Alcohol	4.9	12	4.9	U	SW-846:8270
	Bis(2-chloroethoxy)methane	3.3	12	3.3	U	SW-846:8270
	Bis(2-chloroethyl)ether	2.9	12	2.9	U	SW-846:8270
	Bis(2-ethylhexyl)phthalate	3.5	12	3.5	U	SW-846:8270
	Butylbenzylphthalate	2.6	12	2.6	U	SW-846:8270
	Chrysene	2.8	12	2.8	U	SW-846:8270
	Dibenz(a,h)anthracene	4.8	12	4.8	U	SW-846:8270
	Dibenzofuran	2.6	12	2.6	U	SW-846:8270
	Diethylphthalate	3	12	3	U	SW-846:8270
	Dimethyl Phthalate	5.9	24	5.9	U	SW-846:8270
	Di-n-butylphthalate	2.9	12	2.9	U	SW-846:8270
	Di-n-octylphthalate	2.9	12	2.9	U	SW-846:8270
	Fluoranthene	3.1	12	3.1	U	SW-846:8270
	Fluorene	2.6	12	2.6	U	SW-846:8270
	Hexachlorobenzene	2.9	12	2.9	U	SW-846:8270
	Hexachlorobutadiene	6.7	12	6.7	U	SW-846:8270
	Hexachlorocyclopentadiene	8.2	12	8.2	U	SW-846:8270
	Hexachloroethane	4.5	12	4.5	U	SW-846:8270
	Indeno(1,2,3-cd)pyrene	4.1	12	4.1	U	SW-846:8270
	Isophorone	3.1	12	3.1	U	SW-846:8270
	Naphthalene	3.2	12	3.2	U	SW-846:8270
	Nitrobenzene	2.9	12	2.9	U	SW-846:8270
	N-Nitrosodiphenylamine	2.9	12	2.9	U	SW-846:8270
	N-nitrosodipropylamine	3.7	12	3.7	U	SW-846:8270
	Pentachlorophenol	16	60	16	U	SW-846:8270
	Phenanthrene	2.7	12	2.7	U	SW-846:8270
	Phenol	4.5	12	4.5	U	SW-846:8270
	Pyrene	2.5	12	2.5	U	SW-846:8270
CYN-MW11 8-Feb-11	1,2,4-Trichlorobenzene	4.2	12	4.2	U	SW-846:8270
	1,2-Dichlorobenzene	3.4	12	3.4	U	SW-846:8270
	1,3-dichlorobenzene	4	12	4	U	SW-846:8270
	1,4-Dichlorobenzene	3.8	12	3.8	U	SW-846:8270
	2,2'-oxybis[1-chloropropane]	3.5	12	3.5	U	SW-846:8270
	2,4,5-Trichlorophenol	3.1	24	3.1	U	SW-846:8270
	2,4,6-trichlorophenol	3.3	24	3.3	U	SW-846:8270
	2,4-Dichlorophenol	4	12	4	U	SW-846:8270
	2,4-Dimethylphenol	6.3	12	6.3	U	SW-846:8270
	2,4-dinitrophenol	23	60	23	U	SW-846:8270
	2,4-Dinitrotoluene	9.5	12	9.5	U	SW-846:8270
	2,6-Dinitrotoluene	7	12	7	U	SW-846:8270
	2-Chloronaphthalene	2.7	12	2.7	U	SW-846:8270
	2-Chlorophenol	4.6	12	4.6	U	SW-846:8270
	2-Methylnaphthalene	3.3	12	3.3	U	SW-846:8270
	2-Methylphenol	3.7	12	3.7	U	SW-846:8270
	2-Nitroaniline	8.6	12	8.6	U	SW-846:8270
	2-Nitrophenol	6.9	18	6.9	U	SW-846:8270
	3,3'-Dichlorobenzidine	3.7	12	3.7	U	SW-846:8270
	3-Nitroaniline	7.7	12	7.7	U	SW-846:8270
	4,6-Dinitro-2-Methylphenol	22	60	22	U	SW-846:8270

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

Table-5 NMED DOE OB FFY 2011 Q-2 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 8-Feb-11	4-Bromophenyl phenyl ether	3.3	12	3.3	U	SW-846:8270
	4-Chloro-3-methylphenol	3.4	12	3.4	U	SW-846:8270
	4-chloroaniline	2.7	12	2.7	U	SW-846:8270
	4-Chlorophenyl phenyl ether	2.9	12	2.9	U	SW-846:8270
	4-Methylphenol	6.9	12	6.9	U	SW-846:8270
	4-Nitroaniline	3.9	12	3.9	U	SW-846:8270
	4-Nitrophenol	11	30	11	U	SW-846:8270
	Acenaphthene	2.6	12	2.6	U	SW-846:8270
	Acenaphthene	2.5	12	2.5	U	SW-846:8270
	Anthracene	2.7	12	2.7	U	SW-846:8270
	Azobenzene	2.6	12	2.6	U	SW-846:8270
	Benzo(a)anthracene	2.7	12	2.7	U	SW-846:8270
	Benzo(a)pyrene	2.7	12	2.7	U	SW-846:8270
	Benzo(b)fluoranthene	2.5	12	2.5	U	SW-846:8270
	Benzo(g,h,i)perylene	4.3	12	4.3	U	SW-846:8270
	Benzo(k)fluoranthene	3.1	12	3.1	U	SW-846:8270
	Benzyl Alcohol	5	12	5	U	SW-846:8270
	Bis(2-chloroethoxy)methane	3.4	12	3.4	U	SW-846:8270
	Bis(2-chloroethyl)ether	3	12	3	U	SW-846:8270
	Bis(2-ethylhexyl)phthalate	3.5	12	3.5	U	SW-846:8270
	Butylbenzylphthalate	2.7	12	2.7	U	SW-846:8270
	Chrysene	2.8	12	2.8	U	SW-846:8270
	Dibenz(a,h)anthracene	4.9	12	4.9	U	SW-846:8270
	Dibenzofuran	2.6	12	2.6	U	SW-846:8270
	Diethylphthalate	3.1	12	3.1	U	SW-846:8270
	Dimethyl Phthalate	5.9	24	5.9	U	SW-846:8270
	Di-n-butylphthalate	3	12	3	U	SW-846:8270
	Di-n-octylphthalate	2.9	12	2.9	U	SW-846:8270
	Fluoranthene	3.1	12	3.1	U	SW-846:8270
	Fluorene	2.7	12	2.7	U	SW-846:8270
	Hexachlorobenzene	2.9	12	2.9	U	SW-846:8270
	Hexachlorobutadiene	6.8	12	6.8	U	SW-846:8270
	Hexachlorocyclopentadiene	8.3	12	8.3	U	SW-846:8270
	Hexachloroethane	4.6	12	4.6	U	SW-846:8270
	Indeno(1,2,3-cd)pyrene	4.2	12	4.2	U	SW-846:8270
	Isophorone	3.1	12	3.1	U	SW-846:8270
	Naphthalene	3.3	12	3.3	U	SW-846:8270
	Nitrobenzene	2.9	12	2.9	U	SW-846:8270
	N-Nitrosodiphenylamine	2.9	12	2.9	U	SW-846:8270
	N-nitrosodipropylamine	3.8	12	3.8	U	SW-846:8270
	Pentachlorophenol	17	60	17	U	SW-846:8270
	Phenanthrene	2.7	12	2.7	U	SW-846:8270
	Phenol	4.5	12	4.5	U	SW-846:8270
	Pyrene	2.6	12	2.6	U	SW-846:8270
CYN-MW12 10-Feb-11	1,2,4-Trichlorobenzene	4	11	4	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	3.7	11	3.7	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	3.2	23	3.2	U	SW-846:8270

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

Table-5 NMED DOE OB FFY 2011 Q-2 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 10-Feb-11	2,4-Dichlorophenol	3.8	11	3.8	U	SW-846:8270
	2,4-Dimethylphenol	6	11	6	U	SW-846:8270
	2,4-dinitrophenol	22	57	22	U	SW-846:8270
	2,4-Dinitrotoluene	9	11	9	U	SW-846:8270
	2,6-Dinitrotoluene	6.7	11	6.7	U	SW-846:8270
	2-Chloronaphthalene	2.6	11	2.6	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	3.5	11	3.5	U	SW-846:8270
	2-Nitroaniline	8.2	11	8.2	U	SW-846:8270
	2-Nitrophenol	6.6	17	6.6	U	SW-846:8270
	3,3'-Dichlorobenzidine	3.6	11	3.6	U	SW-846:8270
	3-Nitroaniline	7.4	11	7.4	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	2.6	11	2.6	U	SW-846:8270
	4-Chlorophenyl phenyl ether	2.7	11	2.7	U	SW-846:8270
	4-Methylphenol	6.6	11	6.6	U	SW-846:8270
	4-Nitroaniline	3.7	11	3.7	U	SW-846:8270
	4-Nitrophenol	11	29	11	U	SW-846:8270
	Acenaphthene	2.5	11	2.5	U	SW-846:8270
	Acenaphthene	2.4	11	2.4	U	SW-846:8270
	Anthracene	2.6	11	2.6	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	2.6	11	2.6	U	SW-846:8270
	Benzo(b)fluoranthene	2.4	11	2.4	U	SW-846:8270
	Benzo(g,h,i)perylene	4.1	11	4.1	U	SW-846:8270
	Benzo(k)fluoranthene	3	11	3	U	SW-846:8270
	Benzyl Alcohol	4.8	11	4.8	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	3.4	11	3.4	U	SW-846:8270
	Butylbenzylphthalate	2.6	11	2.6	U	SW-846:8270
	Chrysene	2.7	11	2.7	U	SW-846:8270
	Dibenz(a,h)anthracene	4.7	11	4.7	U	SW-846:8270
	Dibenzofuran	2.5	11	2.5	U	SW-846:8270
	Diethylphthalate	2.9	11	2.9	U	SW-846:8270
	Dimethyl Phthalate	5.7	23	5.7	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	6.5	11	6.5	U	SW-846:8270
	Hexachlorocyclopentadiene	7.9	11	7.9	U	SW-846:8270
	Hexachloroethane	4.4	11	4.4	U	SW-846:8270
	Indeno(1,2,3-cd)pyrene	4	11	4	U	SW-846:8270
	Isophorone	3	11	3	U	SW-846:8270
	Naphthalene	3.1	11	3.1	U	SW-846:8270

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

Table-5 NMED DOE OB FFY 2011 Q-2 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 10-Feb-11	Nitrobenzene	2.8	11	2.8	U	SW-846:8270
	N-Nitrosodiphenylamine	2.8	11	2.8	U	SW-846:8270
	N-nitrosodipropylamine	3.6	11	3.6	U	SW-846:8270
	Pentachlorophenol	16	57	16	U	SW-846:8270
	Phenanthrene	2.6	11	2.6	U	SW-846:8270
	Phenol	4.3	11	4.3	U	SW-846:8270
	Pyrene	2.4	11	2.4	U	SW-846:8270

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

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