Confirmatory VOC and Mine Ventilation Rate Monitoring Annual Report

Waste Isolation Pilot Plant (WIPP)
US Department of Energy

Submitted to:

New Mexico Environment Department

Submitted by the:

Westinghouse TRU Solutions, LLC

for the
U.S. Department of Energy
Carlsbad Field Office

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3.0 VOC Monitoring Results

This section presents the results of the VOC monitoring program. This report covers monitoring from July 1, 2000 to June 30, 2001.

3.1 Operational Summary

The completeness of the data set is the percentage of valid data versus the total number of data obtained. The quality assurance objective (i.e., goal) for the program is a completeness of 90% or greater. During this reporting period, a total of 208 samples were obtained and a total of 208 valid samples were generated. Therefore, the completeness for the reporting period was 100%.

3.2 Monitoring Data

The VOC monitoring results are summarized in Table 3. The individual monitoring results for all nine target analytes for each individual sample collected at location VOC-A and VOC-B are provided in Table 4. In some cases, the samples are diluted prior to analysis. Reporting limits are adjusted by the dilution factor; (i.e., the 5.0 ppbv and 2.0 ppbv value is multiplied by the dilution factor to calculate the laboratory reporting limit for the diluted sample).

Table 3. Summary of VOC Monitoring Results

Compound	No. of Samples	Samples ≥ MDL	Contract Reporting Limits (ppbv)	Maximum Value (ppbv)	No. of Exceedances of COC
1,1-Dichloroethene	208	0	<5	0	0
Methylene Chloride	208	63	<5	5.23	0
Chloroform	208	0	<2	0	0
1,1,1-Trichloroethane	208	3	<5	1.59	0
Carbon Tetrachloride	208	0	<2	0	0
1,2-Dichloroethane	208	0	<2	0	0
Toluene	208	41	<5	5.69	0
Chlorobenzene	208	0	<2	0	0
1,1,2,2-Tetrachloroethane	208	0	<2	0	0

Running averages are calculated for each target compound in the VOC monitoring database. The average concentration for each target compound was less than 5 ppbv. Therefore, no annual averages for each target compound are included in this report, because the majority of data points were below the method detection level (MDL). Similarly, the difference in concentration between station A and B are calculated for each sample pair in the VOC monitoring database. These calculated values for the reporting period were not significant because of the frequency of sample values that

Table 4. Comparison between A, B, and COC
For Samples Sampled Between 7/1/00 and 6/30/01 – Concentrations (ppbV)

Sample Pairs 104				
Compound	Average Difference of Sample Pair	Minimum Difference of Sample Pair	Maximum Difference of Sample Pair	COC
1,1,1-Trichloroethane	0.00	-1.59	1.42	590
1,1,2,2-Tetrachloroetha	0	0	0	50
1,1-Dichloroethene	0	0	0	100
1,2-Dichloroethane	0	0	0	45
Carbon Tetrachloride	0	0	0	165
Chlorobenzene	0	0	0	220
Chloroform	0	0	0	180
Methylene Chloride	-0.04	-3.35	5.23	1930
Toluene	0.17	-5.21	3.09	190

Values preceded by "III" denote a concentration greater than the COC concentration.

Concentrations are reported in ppbv.

Sample Date	B Analysis Date	B Lab ID	B Sample ID	A Analysis Date	A Lab ID	A Sample ID	Compound	A	B	Difference**	COC
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	1,1-Dichloroethene	5 ND	5 ND	0	100
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	1,2-Dichloroethane	2 ND	2 ND	0	45
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	Carbon Tetrachloride	2 ND	2 ND	0	165
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	Chlorobenzene	2 ND	2 ND	0	220
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	Chloroform	2 ND	2 ND	0	180
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	Methylene Chloride	0.58* BJ	5 ND	0.58	1930
7/3/00	7/11/00	0007071-01	670	7/11/00	0007071-02	671	Toluene	0.62* J	5 ND	0.62	190
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	1,1,1-Trichloroethane	10 ND	10 ND	0	590
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	1,1,2,2-Tetrachloroethan	4 ND	4 ND	0	50
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	1,1-Dichloroethene	10 ND	10 ND	0	100
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	1,2-Dichloroethane	4 ND	4 ND	0	45
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	Carbon Tetrachloride	4 ND	4 ND	0	165
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	Chlorobenzene	4 ND	4 ND	0	220
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	Chloroform	4 ND	4 ND	0	180
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	Methylene Chloride	1.39* BJ	10 ND	1.39	1930
7/5/00	7/11/00	0007071-03	672	7/11/00	0007071-04	673	Toluene	10 ND	1.23* J	-1.23	190
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	1,1,1-Trichloroethane	5.6 ND	5 ND	0	590
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	1,1,2,2-Tetrachloroethan	2.2 ND	2 ND	0	50
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	1,1-Dichloroethene	5.6 ND	5 ND	0	100
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	1,2-Dichloroethane	2.2 ND	2 ND	0	45
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	Carbon Tetrachloride	2.2 ND	2 ND	0	165
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	Chlorobenzene	2.2 ND	2 ND	0	220
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	Chloroform	2.2 ND	2 ND	0	180
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	Methylene Chloride	0.72* J	0.56* J	0.16	1930
7/10/00	7/15/00	0007176-01	674	7/15/00	0007176-02	675	Toluene	2.42* J	5 ND	2.42	190
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50

Sample Date	B Analysis Date	B Lab ID	B Sample ID	A Analysis Date	A Lab ID	A Sample ID	Compound	A	B	Difference**	COC
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	1,1-Dichloroethene	5 ND	5 ND	0	100
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	1,2-Dichloroethane	2 ND	2 ND	0	45
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	Carbon Tetrachloride	2 ND	2 ND	0	165
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	Chlorobenzene	2 ND	2 ND	0	220
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	Chloroform	2 ND	2 ND	0	180
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	Methylene Chloride	0.43* J	0.51* J	-0.08	1930
7/12/00	7/15/00	0007176-05	678	7/15/00	0007176-06	679	Toluene	0.48* J	5 ND	0.48	190
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	1,1-Dichloroethene	5 ND	5 ND	0	100
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	1,2-Dichloroethane	2 ND	2 ND	0	45
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	Carbon Tetrachloride	2 ND	2 ND	0	165
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	Chlorobenzene	2 ND	2 ND	0	220
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	Chloroform	2 ND	2 ND	0	180
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	Methylene Chloride	5 ND	5 ND	0	1930
7/17/00	7/23/00	0007294-01	680	7/23/00	0007294-02	681	Toluene	0.43* J	5 ND	0.43	190
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	1,1,1-Trichloroethane	0.84* J	5.2 ND	0.84	590
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	1,1,2,2-Tetrachloroethan	2 ND	2.1 ND	0	50
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	1,1-Dichloroethene	5 ND	5.2 ND	0	100
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	1,2-Dichloroethane	2 ND	2.1 ND	0	45
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	Carbon Tetrachloride	2 ND	2.1 ND	0	165
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	Chlorobenzene	2 ND	2.1 ND	0	220
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	Chloroform	2 ND	2.1 ND	0	180
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	Methylene Chloride	5 ND	5.2 ND	0	1930
7/18/00	7/23/00	0007294-03	682	7/23/00	0007294-04	683	Toluene	0.58* J	0.47* J	0.11	190
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	1,1-Dichloroethene	5 ND	5 ND	0	100
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	1,2-Dichloroethane	2 ND	2 ND	0	45
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	Carbon Tetrachloride	2 ND	2 ND	0	165
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	Chlorobenzene	2 ND	2 ND	0	220
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	Chloroform	2 ND	2 ND	0	180
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	Methylene Chloride	0.52* J	0.46* J	0.06	1930
7/24/00	7/28/00	0007438-01	684	7/28/00	0007438-02	685	Toluene	5 ND	5 ND	0	190
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	1,1-Dichloroethene	5 ND	5 ND	0	100
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	1,2-Dichloroethane	2 ND	2 ND	0	45
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	Carbon Tetrachloride	2 ND	2 ND	0	165
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	Chlorobenzene	2 ND	2 ND	0	220
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	Chloroform	2 ND	2 ND	0	180
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	Methylene Chloride	0.95* J	0.66* J	0.29	1930
7/25/00	7/28/00	0007438-03	686	7/28/00	0007438-04	687	Toluene	5 ND	5 ND	0	190
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	1,1,1-Trichloroethane	5 ND	5 ND	0	590
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	1,1-Dichloroethene	5 ND	5 ND	0	100
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	1,2-Dichloroethane	2 ND	2 ND	0	45
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	Carbon Tetrachloride	2 ND	2 ND	0	165
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	Chlorobenzene	2 ND	2 ND	0	220
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	Chloroform	2 ND	2 ND	0	180
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	Methylene Chloride	0.71* J	0.61* J	0.1	1930

Sample Date	B Analysis Date	B Lab ID	B Sample ID	A Analysis Date	A Lab ID	A Sample ID	Compound	A	B	Difference**	COC
7/31/00	8/4/00	0008057-01	688	8/4/00	0008057-02	689	Toluene	5 ND	5 ND	0	190
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	1,1-Dichloroethene	5 ND	5 ND	0	100
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	1,2-Dichloroethane	2 ND	2 ND	0	45
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	Carbon Tetrachloride	2 ND	2 ND	0	165
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	Chlorobenzene	2 ND	2 ND	0	220
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	Chloroform	2 ND	2 ND	0	180
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	Methylene Chloride	0.87* J	0.79* J	0.08	1930
8/2/00	8/4/00	0008057-03	690	8/4/00	0008057-04	691	Toluene	5 ND	5 ND	0	190
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	1,1-Dichloroethene	5 ND	5 ND	0	100
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	1,2-Dichloroethane	2 ND	2 ND	0	45
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	Carbon Tetrachloride	2 ND	2 ND	0	165
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	Chlorobenzene	2 ND	2 ND	0	220
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	Chloroform	2 ND	2 ND	0	180
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	Methylene Chloride	5 ND	5 ND	0	1930
8/7/00	8/16/00	0008161-01	692	8/16/00	0008161-02	693	Toluene	5 ND	5 ND	0	190
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	1,1-Dichloroethene	5 ND	5 ND	0	100
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	1,2-Dichloroethane	2 ND	2 ND	0	45
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	Carbon Tetrachloride	2 ND	2 ND	0	165
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	Chlorobenzene	2 ND	2 ND	0	220
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	Chloroform	2 ND	2 ND	0	180
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	Methylene Chloride	5 ND	5 ND	0	1930
8/8/00	8/16/00	0008161-03	694	8/16/00	0008161-04	695	Toluene	5 ND	5 ND	0	190
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	1,1-Dichloroethene	5 ND	5 ND	0	100
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	1,2-Dichloroethane	2 ND	2 ND	0	45
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	Carbon Tetrachloride	2 ND	2 ND	0	165
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	Chlorobenzene	2 ND	2 ND	0	220
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	Chloroform	2 ND	2 ND	0	180
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	Methylene Chloride	1.04* J	1.04* J	0	1930
8/14/00	8/25/00	0008290-01	696	8/25/00	0008290-02	697	Toluene	5 ND	5 ND	0	190
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	1,1-Dichloroethene	5 ND	5 ND	0	100
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	1,2-Dichloroethane	2 ND	2 ND	0	45
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	Carbon Tetrachloride	2 ND	2 ND	0	165
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	Chlorobenzene	2 ND	2 ND	0	220
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	Chloroform	2 ND	2 ND	0	180
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	Methylene Chloride	0.82* J	0.98* J	-0.16	1930
8/15/00	8/25/00	0008290-03	698	8/25/00	0008290-04	699	Toluene	0.90* J	0.46* J	0.44	190
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	1,1,1-Trichloroethane	5 ND	5 ND	0	590
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	1,1-Dichloroethene	5 ND	5 ND	0	100
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	1,2-Dichloroethane	2 ND	2 ND	0	45
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	Carbon Tetrachloride	2 ND	2 ND	0	165

Sample Date	B Analysis Date	B Lab ID	B Sample ID	A Analysis Date	A Lab ID	A Sample ID	Compound	A	B	Difference**	COC
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	Chlorobenzene	2 ND	2 ND	0	220
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	Chloroform	2 ND	2 ND	0	180
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	Methylene Chloride	5 ND	5 ND	0	1930
8/21/00	8/29/00	0008399-01	700	8/29/00	0008399-02	701	Toluene	5 ND	5 ND	0	190
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	1,1,1-Trichloroethane	5 ND	10 ND	0	590
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	1,1,2,2-Tetrachloroethan	2 ND	4 ND	0	50
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	1,1-Dichloroethene	5 ND	10 ND	0	100
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	1,2-Dichloroethane	2 ND	4 ND	0	45
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	Carbon Tetrachloride	2 ND	4 ND	0	165
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	Chlorobenzene	2 ND	4 ND	0	220
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	Chloroform	2 ND	4 ND	0	180
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	Methylene Chloride	5 ND	10 ND	0	1930
8/22/00	8/30/00	0008399-03	702	8/29/00	0008399-04	703	Toluene	5 ND	10 ND	0	190
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	1,1,1-Trichloroethane	5 ND	1.59* J	-1.59	590
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	1,1-Dichloroethene	5 ND	5 ND	0	100
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	1,2-Dichloroethane	2 ND	2 ND	0	45
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	Carbon Tetrachloride	2 ND	2 ND	0	165
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	Chlorobenzene	2 ND	2 ND	0	220
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	Chloroform	2 ND	2 ND	0	180
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	Methylene Chloride	5 ND	5 ND	0	1930
8/28/00	9/11/00	0008509-01	704	9/11/00	0008509-02	705	Toluene	1.34* J	5 ND	1.34	190
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	1,1,1-Trichloroethane	1.42* J	5 ND	1.42	590
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	1,1-Dichloroethene	5 ND	5 ND	0	100
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	1,2-Dichloroethane	2 ND	2 ND	0	45
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	Carbon Tetrachloride	2 ND	2 ND	0	165
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	Chlorobenzene	2 ND	2 ND	0	220
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	Chloroform	2 ND	2 ND	0	180
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	Methylene Chloride	5 ND	5 ND	0	1930
8/29/00	9/11/00	0008509-03	706	9/11/00	0008509-04	707	Toluene	1.77* J	5 ND	1.77	190
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	1,1,1-Trichloroethane	5 ND	5 ND	0	590
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	1,1-Dichloroethene	5 ND	5 ND	0	100
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	1,2-Dichloroethane	2 ND	2 ND	0	45
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	Carbon Tetrachloride	2 ND	2 ND	0	165
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	Chlorobenzene	2 ND	2 ND	0	220
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	Chloroform	2 ND	2 ND	0	180
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	Methylene Chloride	0.95* J	1.31* J	-0.36	1930
9/5/00	9/12/00	0009074-01	708	9/12/00	0009074-02	709	Toluene	0.71* J	5 ND	0.71	190
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	1,1,1-Trichloroethane	5 ND	5.9 ND	0	590
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	1,1,2,2-Tetrachloroethan	2 ND	2.4 ND	0	50
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	1,1-Dichloroethene	5 ND	5.9 ND	0	100
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	1,2-Dichloroethane	2 ND	2.4 ND	0	45
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	Carbon Tetrachloride	2 ND	2.4 ND	0	165
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	Chlorobenzene	2 ND	2.4 ND	0	220
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	Chloroform	2 ND	2.4 ND	0	180
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	Methylene Chloride	1.09* J	0.75* J	0.34	1930
9/6/00	9/12/00	0009074-03	710	9/12/00	0009074-04	711	Toluene	0.50* J	5.9 ND	0.5	190
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	1,1,1-Trichloroethane	5 ND	5 ND	0	590
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50

Sample Date	B Analysis Date	B Lab ID	B Sample ID	A Analysis Date	A Lab ID	A Sample ID	Compound	A	B	Difference**	COC
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	1,1-Dichloroethene	5 ND	5 ND	0	100
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	1,2-Dichloroethane	2 ND	2 ND	0	45
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	Carbon Tetrachloride	2 ND	2 ND	0	165
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	Chlorobenzene	2 ND	2 ND	0	220
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	Chloroform	2 ND	2 ND	0	180
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	Methylene Chloride	0.82* BJ	5 ND	0.82	1930
9/11/00	9/22/00	0009151-01	712	9/22/00	0009151-02	713	Toluene	0.94* J	0.62* J	0.32	190
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	1,1,1-Trichloroethane	5 ND	6 ND	0	590
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	1,1,2,2-Tetrachloroethan	2 ND	2.4 ND	0	50
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	1,1-Dichloroethene	5 ND	6 ND	0	100
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	1,2-Dichloroethane	2 ND	2.4 ND	0	45
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	Carbon Tetrachloride	2 ND	2.4 ND	0	165
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	Chlorobenzene	2 ND	2.4 ND	0	220
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	Chloroform	2 ND	2.4 ND	0	180
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	Methylene Chloride	0.92* BJ	0.82* BJ	0.1	1930
9/12/00	9/22/00	0009151-03	714	9/22/00	0009151-04	715	Toluene	0.68* J	0.66* J	0.02	190
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	1,1,1-Trichloroethane	5 ND	5 ND	0	590
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	1,1-Dichloroethene	5 ND	5 ND	0	100
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	1,2-Dichloroethane	2 ND	2 ND	0	45
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	Carbon Tetrachloride	2 ND	2 ND	0	165
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	Chlorobenzene	2 ND	2 ND	0	220
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	Chloroform	2 ND	2 ND	0	180
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	Methylene Chloride	5 ND	5 ND	0	1930
9/18/00	9/27/00	0009274-01	716	9/27/00	0009274-02	717	Toluene	0.51* J	0.57* J	-0.06	190
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	1,1,1-Trichloroethane	5 ND	5 ND	0	590
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	1,1,2,2-Tetrachloroethan	2 ND	2 ND	0	50
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	1,1-Dichloroethene	5 ND	5 ND	0	100
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	1,2-Dichloroethane	2 ND	2 ND	0	45
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	Carbon Tetrachloride	2 ND	2 ND	0	165
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	Chlorobenzene	2 ND	2 ND	0	220
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	Chloroform	2 ND	2 ND	0	180
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	Methylene Chloride	5 ND	5 ND	0	1930
9/19/00	9/27/00	0009274-05	720	9/27/00	0009274-06	721	Toluene	0.52* J	0.71* J	-0.19	190
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	1,1,1-Trichloroethane	6.2 ND	5 ND	0	590
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	1,1,2,2-Tetrachloroethan	2.5 ND	2 ND	0	50
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	1,1-Dichloroethene	6.2 ND	5 ND	0	100
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	1,2-Dichloroethane	2.5 ND	2 ND	0	45
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	Carbon Tetrachloride	2.5 ND	2 ND	0	165
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	Chlorobenzene	2.5 ND	2 ND	0	220
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	Chloroform	2.5 ND	2 ND	0	180
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	Methylene Chloride	6.2 ND	5 ND	0	1930
9/25/00	10/4/00	0009381-01	722	10/4/00	0009381-02	723	Toluene	6.2 ND	5 ND	0	190
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	1,1,1-Trichloroethane	6.2 ND	5.2 ND	0	590
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	1,1,2,2-Tetrachloroethan	2.5 ND	2.1 ND	0	50
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	1,1-Dichloroethene	6.2 ND	5.2 ND	0	100
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	1,2-Dichloroethane	2.5 ND	2.1 ND	0	45
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	Carbon Tetrachloride	2.5 ND	2.1 ND	0	165
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	Chlorobenzene	2.5 ND	2.1 ND	0	220
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	Chloroform	2.5 ND	2.1 ND	0	180
9/26/00	10/4/00	0009381-03	724	10/4/00	0009381-04	725	Methylene Chloride	6.2 ND	5.2 ND	0	1930