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To: Rob Pine, NMED, Assessment & Abatement
From: Ken Sherrell, SLD, Organics
Re: Sparton Data

Date: April 30, 1997

Rob, attached please find the data we had discussed. I think this will give you what you need. If other information is necessary, please give me a call. I have also ordered a tank of TCE Calibration Gas at a high level. Delivery will take about 4 weeks.

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Date: April 30, 1997
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SLD QC Data Abstract for Sparton Samples Collected on 2/20/97

These samples were analyzed by EPA method 8021 on 2/20/97. The following data shows spike recoveries for a water matrix spiked at a level of 10 ppb.

Spiking Compound	Target	Result1	%Recovery	Result2	%Recovery	Rel % Diff
1,1-Dichloroethene	10	9.13	91.3%	9.44	94.4%	-3.3%
Trichloroethene	10	9.73	97.3%	9.48	94.8%	2.6%
1,1,1-Trichloroethane	10	9.55	95.5%	9.42	94.2%	1.4%
Chlorobenzene	10	9.6	96.0%	8.371	83.7%	13.7%
Toluene	10	9.33	93.3%	9.54	95.4%	-2.2%
Benzene	10	9.32	93.2%	9.27	92.7%	0.5%

As indicated on the reports, no targeted compounds were detected in the Laboratory Reagent Blank (LRB). Similarly, the Laboratory Ambient Air Blank (LAAB) was negative for all targeted compounds at the reporting level. The recovery of the Trichloroethene Gas Calibration Standard for this batch was 92%, with the target level at 4.11 ppm V/V. None of the reported results for the samples or for the Gas Calibration Standard exceeded the standard curve range. The data in this batch was acceptable.

SLD Data Abstract for Sparton Samples Collected on 3/20/97

These samples were analyzed by EPA method 8260A on 3/20/97. The following data is for a water matrix spiked at a level of 10 ppb.

Spiking Compound	Target	Result1	%Recovery	Result2	%Recovery	Rel % Diff
1,1-Dichloroethene	10	9.56	95.6%	11.37	113.7%	-17.3%
Trichloroethene	10	9.73	97.3%	11.88	118.8%	-19.9%
1,1,1-Trichloroethane	10	9.86	98.6%	9.04	90.4%	8.7%
Chlorobenzene	10	9.82	98.2%	9.76	97.6%	0.6%
Toluene	10	9.46	94.6%	9.75	97.5%	-3.0%
Benzene	10	9.66	96.6%	12.84	128.4%	-28.3%

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The recoveries for two water spikes prepared with an external standard are as follows.

Spiking Compound	Target	Result1	%Recovery	Result2	%Recovery	Rel % Diff
1,1-Dichloroethene	5	6.04	120.8%	4.98	99.6%	19.2%
Trichloroethene	5	7.68	153.6%	6.19	123.8%	21.5%
1,1,1-Trichloroethane	5	3.36	67.2%	3.17	63.4%	5.8%
Chlorobenzene	5	5.45	109.0%	5.2	104.0%	4.7%
Toluene	5	4.98	99.6%	5.03	100.6%	-1.0%
Benzene	5	8.29	165.8%	6.62	132.4%	22.4%

No targeted compounds were detected in the Laboratory Reagent Blank or the Laboratory Ambient Air Blank at the reporting level. The recovery of the Gas Calibration Standard for this batch was 119%. The data in this batch exceeded normally expected limits, and as a result, no charge was made for these samples. The mean recovery for TCE in the four representative analyses indicated above is 123%, which correlates with the somewhat high Gas Calibrator result.

The Scientific Lab feels that this data does not fully account for the substantial differences between the SLD results and those obtained by AEN. These differences were also observed in the February data, where the SLD data was very good.

End of data abstract.