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Results of chemical analyses for Alcove 8/ Niche 3 tracer studies

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TECHNICAL REPORT

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PURPOSE

This is the final report detailing the analyses performed under ORD-FY04-011 “Chemical Analyses for Alcove 8/Niche 3 Tracer Studies.” The work was performed under The University and Community College System of Nevada (UCCSN) and the Department of Energy (DOE) Cooperative Agreement DE-FC28-04RW12232. This task provided method development and analytical support for the Alcove 8/Niche 3 Tracer Studies in the Exploratory Studies Facility (ESF). Concentrations of tracers as well as major anions and cations were reported for samples provided by Lawrence Berkeley National Laboratory (LBNL) and the US Geological Survey (USGS). Samples were analyzed using High Performance Liquid Chromatography (HPLC) and Ion Chromatography (IC). Samples were analyzed and controlled according to Implementing Procedures (IP’s) written and approved in accordance with the Office of Civilian Radioactive Waste Management (OCRWM) approved Nevada System of Higher Education (NSHE) Quality Assurance Program.

INTRODUCTION

Flow Seepage Testing in Alcove 8/Niche 3 at the Exploratory Studies Facility (ESF) was conducted to characterize the seepage through Yucca Mountain into the proposed repository. Objectives of the test include quantification of infiltration and seepage processes, evaluation of matrix diffusion in the unsaturated zone (UZ). The task consisted of two phases, but was cancelled prior to starting the second phase. The Harry

Reid Center for Environmental Studies analyzed the water samples generated from the tracer test.

QUALITY ASSURANCE

All laboratory work performed at the HRC was conducted under the OCRWM approved NSHE Quality Assurance requirements. No conclusions of this report are based on unqualified data.

METHODS AND MATERIALS

All field work and tracer introduction was performed by the US Geological Survey (USGS) and Lawrence Berkeley National Laboratory (LBNL). Samples were transported to the HRC using LBNL sample collection and NSHE Chain of Custody (COC) procedures.

Three fluorinated benzoic acids (FBAs) and three inorganic halides were used as tracers in the study. The FBAs were analyzed using high performance liquid chromatography (HPLC) with ultraviolet detection, and the inorganic halides were analyzed using Ion Chromatography (IC) with conductivity detection. Optimal conditions for separation of the analytes from interferences required many changes in method over the duration of the test. The methods are detailed in scientific notebooks UCCSN-UNLV-062 volumes 1 - 4 and UCCSN-UNLV-066 volumes 1 and 2.

DISCUSSIONS/CONCLUSIONS

Samples generated during the test were analyzed for fluoride, bromide, iodide, 2,5 difluorobenzoic acid, 2,6 difluorobenzoic acid and 2,4,5 trifluorobenzoic acid which were used as tracers. A subset of background constituents samples was analyzed for chloride, sulfate, nitrate, calcium, magnesium, sodium, and potassium. Results were reported in parts per million (ppm) units. Data tracking numbers can be found in the Inputs/References section of this report.

INPUTS and REFERENCES

The results of the analyses can be found in data tracking numbers MO0511UCC011JB.001, MO0511UCC011JB.002, and MO0506UCC011TJ.002. The notebook accession numbers are MOL.20051129.0242, MOL.20051130.0027, MOL.20051129.0297, MOL.20050718.0367, MOL.20050718.0368 and MOL.20051112.0130. The concentrations are listed in Appendix A and the method detection limits (MDLs) are listed in Appendix B. Duplicate sample measurements were averaged using Microsoft Excel.

ASSUMPTIONS

No assumptions were made in conducting this work.

Appendix A
Tracer Concentrations

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01018729	10/2/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018720	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018721	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018722	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018723	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018724	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018725	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018726	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018789	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018791	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018792	11/3/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018733	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018734	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018735	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018736	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018737	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018738	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018739	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018740	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018741	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018742	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018743	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018744	11/13/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018745	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018746	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018747	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018748	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018749	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018750	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018751	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018752	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018753	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018754	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018755	11/24/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018757	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018758	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018759	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018764	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018765	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018766	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018767	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018768	12/8/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018782	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018783	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01018784	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018785	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018786	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018787	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018788	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018793	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018794	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018795	12/15/2003	NA	NA	NA	<MDL 8	<MDL 8	<MDL 8
SPC01018769	1/5/2004	2.56	7.36	<MDL 4	NA	NA	NA
SPC01018770	1/5/2004	2.53	5.11	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018771	1/5/2004	2.28	6.73	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018772	1/5/2004	3.22	6.41	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018773	1/5/2004	3.08	34.89	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018774	1/5/2004	2.79	16.27	<MDL 4	0.08	<MDL 8	<MDL 8
SPC01018775	1/5/2004	2.71	16.89	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018776	1/5/2004	2.61	14.90	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018777	1/5/2004	2.41	13.43	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018778	1/5/2004	2.42	15.55	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018779	1/5/2004	2.50	14.85	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018780	1/5/2004	2.50	15.01	<MDL 4	<MDL 8	<MDL 8	<MDL 8
00577329	1/8/2004	2.08	22.92	<MDL 1	NA	NA	NA
SPC01018600	1/12/2004	3.12	32.95	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018601	1/12/2004	2.79	15.37	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018602	1/12/2004	2.64	17.57	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018603	1/12/2004	2.59	14.48	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018604	1/12/2004	2.34	14.05	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018605	1/12/2004	2.39	16.05	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018606	1/12/2004	2.38	15.29	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018607	1/12/2004	2.52	15.14	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018796	1/12/2004	2.33	7.93	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018797	1/12/2004	2.84	5.54	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018798	1/12/2004	2.32	7.74	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018799	1/12/2004	3.03	5.84	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018608	1/20/2004	2.35	7.99	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018609	1/20/2004	2.40	5.70	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018610	1/20/2004	2.33	7.64	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018611	1/20/2004	3.44	6.27	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018612	1/20/2004	3.26	37.45	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018613	1/20/2004	2.79	14.96	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018614	1/20/2004	2.81	16.52	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018615	1/20/2004	2.65	14.49	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018616	1/20/2004	2.38	14.08	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018617	1/20/2004	2.41	16.44	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018618	1/20/2004	2.42	15.63	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018619	1/20/2004	2.54	15.89	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018620	1/26/2004	3.91	20.33	<MDL 5	NA	NA	NA

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01018621	1/26/2004	2.39	6.24	<MDL 4	NA	NA	NA
SPC01018622	1/26/2004	2.50	7.99	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018623	1/26/2004	3.62	7.73	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018624	1/26/2004	3.14	31.67	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018625	1/26/2004	2.69	15.61	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018627	1/26/2004	3.05	25.97	NE	<MDL 8	<MDL 8	<MDL 8
SPC01018628	1/26/2004	2.24	13.68	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018629	1/26/2004	2.38	16.52	NE	<MDL 8	<MDL 8	<MDL 8
SPC01018630	1/26/2004	2.40	16.17	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018631	1/26/2004	2.53	15.96	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01018632	1/29/2004	2.06	8.22	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018633	1/29/2004	1.85	7.13	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018634	1/29/2004	1.67	8.81	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018635	1/29/2004	2.20	7.35	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018636	1/29/2004	2.25	30.15	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018637	1/29/2004	2.31	14.70	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018638	1/29/2004	2.61	15.50	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018639	1/29/2004	2.38	15.60	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018640	1/29/2004	2.16	13.97	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018641	1/29/2004	2.07	16.90	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018642	1/29/2004	2.08	15.88	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018643	1/29/2004	2.22	15.3	<MDL 1	<MDL 8	<MDL 8	<MDL 8
00577316	2/9/2004	2.21	25.88	<MDL 1	NA	NA	NA
00577317	2/9/2004	2.39	29.41	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577318	2/9/2004	2.47	37.19	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577319	2/9/2004	2.00	23.40	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577320	2/9/2004	2.22	24.41	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577321	2/9/2004	2.20	23.76	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577322	2/9/2004	2.52	23.63	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577323	2/9/2004	2.29	22.84	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577324	2/9/2004	2.28	24.33	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577325	2/9/2004	2.33	24.09	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577326	2/9/2004	2.09	23.03	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577327	2/9/2004	2.24	24.72	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577328	2/9/2004	2.20	25.21	<MDL 1	<MDL 7	<MDL 7	<MDL 7
00577314	2/17/2004	2.96	26.08	<MDL 1	NA	NA	NA
SPC01021100	2/17/2004	2.19	26.4	7.45	NA	NA	NA
SPC01021101	2/17/2004	2.92	444	<MDL 1	NA	NA	NA
SPC01021102	2/17/2004	17.6	21.50	<MDL 1	NA	NA	NA
00577310	2/19/2004	2.27	25.50	<MDL 1	NA	NA	NA
00577311	2/19/2004	2.16	27.26	6.92	NA	NA	NA
00577312	2/19/2004	1.29	436.00	<MDL 1	NA	NA	NA
00577313	2/19/2004	17.87	22.53	<MDL 1	NA	NA	NA
00577306	2/23/2004	2.20	25.35	<MDL 1	NA	NA	NA
00577307	2/23/2004	2.32	26.86	7.96	NA	NA	NA
00577308	2/23/2004	1.04	440.00	<MDL 1	NA	NA	NA

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
00577309	2/23/2004	17.40	22.00	<MDL 1	NA	NA	NA
SPC01021103	2/26/2004	2.33	25.31	<MDL 1	NA	NA	NA
SPC01021104	2/26/2004	2.24	27.44	7.85	49.75	<MDL 6	<MDL 6
SPC01021105	2/26/2004	1.81	440.00	<MDL 1	<MDL 6	39.57	<MDL 6
SPC01021106	2/26/2004	16.90	20.90	<MDL 1	<MDL 6	<MDL 6	51.67
SPC00562032	3/1/2004	2.43	10.61	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562033	3/1/2004	2.14	9.57	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562034	3/1/2004	2.17	11.20	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC00562035	3/1/2004	1.83	8.19	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562036	3/1/2004	1.89	9.63	<MDL 1	<MDL 6	<MDL 6	0.09
SPC00562037	3/1/2004	1.78	11.16	<MDL 1	0.18	<MDL 8	<MDL 8
SPC00562038	3/1/2004	2.06	7.46	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562039	3/1/2004	2.75	10.05	<MDL 1	<MDL 6	<MDL 6	0.16
SPC00562040	3/1/2004	1.98	13.97	<MDL 1	<MDL 6	<MDL 6	0.14
SPC00562041	3/1/2004	2.23	17.64	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC00562043	3/1/2004	2.26	16.26	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562044	3/1/2004	2.35	16.68	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC00562045	3/1/2004	1.84	20.88	<MDL 1	<MDL 6	<MDL 6	0.23
SPC00562046	3/1/2004	2.21	21.08	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562047	3/1/2004	2.13	20.52	<MDL 1	0.02	<MDL 6	<MDL 6
SPC00562048	3/1/2004	2.43	17.77	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562050	3/1/2004	2.73	24.10	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01021107	3/1/2004	2.18	24.40	<MDL 1	NA	NA	NA
SPC01021108	3/1/2004	2.29	28.10	3.09	NA	NA	NA
SPC01021109	3/1/2004	1.54	431.00	<MDL 1	NA	NA	NA
SPC01021110	3/1/2004	16.60	20.70	<MDL 1	NA	NA	NA
SPC01021111	3/1/2004	1.92	17.03	4.19	NA	NA	NA
SPC01021112	3/1/2004	2.31	26.84	6.31	45.93	<MDL 7	<MDL 7
SPC01021113	3/1/2004	6.41	433.00	<MDL 1	<MDL 7	33.98	<MDL 7
SPC01021114	3/1/2004	8.57	392.62	<MDL 1	<MDL 7	8.76	<MDL 7
SPC01021115	3/1/2004	2.73	166.00	<MDL 1	<MDL 7	15.26	<MDL 7
SPC01021116	3/1/2004	5.31	406.00	<MDL 1	<MDL 7	11.85	<MDL 7
SPC01021117	3/1/2004	2.25	412.00	<MDL 1	<MDL 7	32.65	<MDL 7
SPC01021118	3/1/2004	4.27	412.55	<MDL 1	0.02	27.75	<MDL 7
SPC01021119	3/1/2004	10.21	416.12	<MDL 1	<MDL 7	2.93	<MDL 7
SPC01021120	3/1/2004	17.34	23.05	<MDL 1	<MDL 7	<MDL 7	49.45
SPC01021121	3/1/2004	17.42	23.10	<MDL 1	<MDL 7	<MDL 7	50.42
SPC01021122	3/1/2004	16.48	23.30	<MDL 1	<MDL 7	<MDL 7	47.11
SPC00562051	3/4/2004	1.79	6.95	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562052	3/4/2004	1.84	10.18	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC00562073	3/4/2004	2.18	14.38	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562074	3/4/2004	1.90	9.40	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562075	3/4/2004	1.96	9.82	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562076	3/4/2004	1.76	12.24	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562077	3/4/2004	1.99	12.73	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562080	3/4/2004	2.31	18.59	<MDL 1	<MDL 6	<MDL 6	<MDL 6

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC00562082	3/4/2004	2.03	15.68	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562083	3/4/2004	2.14	15.86	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562084	3/4/2004	1.84	13.23	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562085	3/4/2004	2.14	18.46	<MDL 1	NA	NA	NA
SPC00562086	3/4/2004	2.09	19.13	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562087	3/4/2004	2.26	18.62	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC00562089	3/4/2004	2.71	21.69	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01021123	3/4/2004	2.28	27.95	7.02	50.61	<MDL 7	<MDL 7
SPC01021124	3/4/2004	2.35	27.78	7.13	50.89	<MDL 7	<MDL 7
SPC01021125	3/4/2004	3.68	424.00	<MDL 1	<MDL 7	20.31	<MDL 7
SPC01021126	3/4/2004	3.70	379.00	<MDL 1	<MDL 7	37.35	<MDL 7
SPC01021127	3/4/2004	3.03	398.00	<MDL 1	<MDL 7	44.73	<MDL 7
SPC01021128	3/4/2004	2.90	396.00	<MDL 1	<MDL 7	40.02	<MDL 7
SPC01021129	3/4/2004	2.91	394.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01021130	3/4/2004	1.87	159.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01021131	3/4/2004	2.47	163.00	<MDL 1	<MDL 7	15.82	<MDL 7
SPC01021132	3/4/2004	17.30	23.10	<MDL 1	<MDL 7	<MDL 7	51.19
SPC01021133	3/4/2004	17.20	22.60	<MDL 1	<MDL 7	<MDL 7	52.84
SPC01021134	3/4/2004	15.90	21.90	<MDL 1	<MDL 7	<MDL 7	49.26
SPC01018644	3/8/2004	2.45	26.98	7.21	0.43	<MDL 7	<MDL 7
SPC01018645	3/8/2004	2.26	27.15	7.31	49.58	<MDL 7	<MDL 7
SPC01018646	3/8/2004	2.94	430.00	<MDL 1	<MDL 7	38.71	<MDL 7
SPC01018647	3/8/2004	4.26	332.00	<MDL 1	<MDL 7	31.83	<MDL 7
SPC01018648	3/8/2004	5.83	400.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01018649	3/8/2004	4.07	405.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01018650	3/8/2004	5.71	404.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01018651	3/8/2004	4.45	405.00	<MDL 1	0.03	<MDL 7	<MDL 7
SPC01018652	3/8/2004	4.84	419.00	<MDL 1	<MDL 7	35.33	<MDL 7
SPC01018653	3/8/2004	16.40	21.90	<MDL 1	<MDL 7	0.13	48.67
SPC01018654	3/8/2004	15.50	20.20	<MDL 1	<MDL 7	<MDL 7	0.40
SPC01018655	3/8/2004	16.70	22.00	<MDL 1	<MDL 7	<MDL 7	0.45
SPC01018656	3/8/2004	2.05	7.03	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018657	3/8/2004	2.10	10.70	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018658	3/8/2004	2.27	14.30	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018659	3/8/2004	1.92	9.67	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018660	3/8/2004	2.01	9.94	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018661	3/8/2004	2.40	14.50	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018662	3/8/2004	2.36	19.20	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018663	3/8/2004	2.13	15.90	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018664	3/8/2004	2.02	14.40	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018666	3/8/2004	2.15	19.70	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018667	3/8/2004	2.08	18.63	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018668	3/8/2004	2.68	22.20	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018669	3/11/2004	2.25	28.58	7.17	49.22	<MDL 7	<MDL 7
SPC01018670	3/11/2004	2.27	28.08	7.37	50.37	<MDL 7	<MDL 7
SPC01018671	3/11/2004	2.19	466.00	<MDL 1	<MDL 7	28.00	<MDL 7

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01018672	3/11/2004	1.99	3.89	<MDL 1	<MDL 7	19.21	<MDL 7
SPC01018673	3/11/2004	2.15	438.00	<MDL 1	<MDL 7	13.79	<MDL 7
SPC01018674	3/11/2004	2.20	437.00	<MDL 1	<MDL 7	27.13	<MDL 7
SPC01018675	3/11/2004	1.65	436.00	<MDL 1	<MDL 7	23.97	<MDL 7
SPC01018676	3/11/2004	1.96	454.00	<MDL 1	<MDL 7	32.20	<MDL 7
SPC01018677	3/11/2004	2.35	456.00	<MDL 1	<MDL 7	18.03	<MDL 7
SPC01018678	3/11/2004	18.07	23.14	<MDL 1	<MDL 7	0.37	51.06
SPC01018679	3/11/2004	18.21	21.98	<MDL 1	<MDL 7	<MDL 7	52.93
SPC01018680	3/11/2004	17.91	22.66	<MDL 1	<MDL 7	<MDL 7	51.81
SPC01018681	3/11/2004	2.07	7.52	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018682	3/11/2004	2.27	10.80	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018683	3/11/2004	2.41	16.10	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018684	3/11/2004	2.26	9.45	<MDL 4	<MDL 6	<MDL 6	<MDL 6
SPC01018685	3/11/2004	2.01	10.30	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018686	3/11/2004	2.48	14.70	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018687	3/11/2004	2.60	19.60	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018688	3/11/2004	2.26	15.40	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018689	3/11/2004	2.01	15.20	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018690	3/11/2004	2.49	20.40	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018691	3/11/2004	2.33	19.00	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018692	3/11/2004	2.51	20.00	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01018693	3/15/2004	1.93	7.24	<MDL 1	NA	NA	NA
SPC01018694	3/15/2004	2.09	11.60	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018695	3/15/2004	2.32	15.60	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018696	3/15/2004	1.93	9.83	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018697	3/15/2004	2.32	13.70	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018698	3/15/2004	2.47	20.30	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01018699	3/15/2004	2.25	16.30	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020300	3/15/2004	2.87	18.42	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01020301	3/15/2004	2.01	14.60	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020302	3/15/2004	2.38	18.80	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020303	3/15/2004	2.29	20.20	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020304	3/15/2004	2.42	19.60	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020305	3/15/2004	2.94	24.10	<MDL 1	NA	NA	NA
SPC01020306	3/15/2004	2.27	27.15	7.16	42.13	<MDL 7	<MDL 7
SPC01020307	3/15/2004	2.25	28.50	7.35	50.03	<MDL 7	<MDL 7
SPC01020308	3/15/2004	4.34	461.00	<MDL 1	<MDL 7	26.56	<MDL 7
SPC01020309	3/15/2004	5.10	388.00	<MDL 1	<MDL 7	21.84	<MDL 7
SPC01020310	3/15/2004	4.52	436.00	<MDL 1	0.11	27.35	<MDL 7
SPC01020311	3/15/2004	6.10	414.00	<MDL 1	<MDL 7	14.84	<MDL 7
SPC01020312	3/15/2004	5.49	419.50	<MDL 1	<MDL 7	29.63	<MDL 7
SPC01020313	3/15/2004	4.42	439.00	<MDL 1	<MDL 7	28.57	<MDL 7
SPC01020314	3/15/2004	4.45	458.00	<MDL 1	<MDL 7	27.97	<MDL 7
SPC01020315	3/15/2004	16.64	21.71	<MDL 1	<MDL 7	0.13	47.65
SPC01020316	3/15/2004	2.32	23.50	<MDL 1	<MDL 7	0.13	47.27
SPC01020331	3/15/2004	17.80	23.60	<MDL 1	<MDL 7	0.13	43.59

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01020317	3/17/2004	7.62	356.00	<MDL 1	<MDL 7	2.19	<MDL 7
SPC01020318	3/17/2004	6.76	433.00	<MDL 1	<MDL 7	11.85	<MDL 7
SPC01020319	3/17/2004	5.51	394.00	<MDL 1	<MDL 7	17.49	<MDL 7
SPC01020320	3/17/2004	5.47	437.00	<MDL 1	<MDL 7	24.97	<MDL 7
SPC01020321	3/17/2004	NE	NE	<MDL 1	<MDL 7	15.90	<MDL 7
SPC01020322	3/17/2004	5.37	438.00	<MDL 1	<MDL 7	25.88	<MDL 7
SPC01020323	3/17/2004	2.84	39.54	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020324	3/17/2004	2.07	29.86	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020325	3/17/2004	2.67	39.69	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020326	3/17/2004	2.76	45.01	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020327	3/17/2004	2.82	50.03	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020328	3/17/2004	2.86	36.99	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020329	3/17/2004	2.83	47.22	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020330	3/17/2004	7.51	432.00	<MDL 1	<MDL 7	7.22	<MDL 7
SPC01020332	3/18/2004	2.32	25.63	<MDL 1	57.39	<MDL 7	<MDL 7
SPC01020333	3/18/2004	2.25	25.61	<MDL 1	58.05	<MDL 7	<MDL 7
SPC01020334	3/18/2004	2.55	38.20	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020335	3/18/2004	2.50	43.50	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020336	3/18/2004	2.46	40.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020337	3/18/2004	2.52	41.60	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020338	3/18/2004	2.79	48.6	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020339	3/18/2004	2.50	36.6	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020340	3/18/2004	17.4	40.7	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020341	3/18/2004	17.40	23.00	<MDL 1	<MDL 7	<MDL 7	57.04
SPC01020342	3/18/2004	17.80	23.20	<MDL 1	<MDL 7	<MDL 7	56.29
SPC01020343	3/18/2004	17.80	23.00	<MDL 1	<MDL 7	<MDL 7	51.95
SPC01020344	3/18/2004	2.05	7.00	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01020345	3/18/2004	1.95	10.90	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020346	3/18/2004	2.13	13.80	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020347	3/18/2004	2.17	13.30	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01020348	3/18/2004	2.33	18.70	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020349	3/18/2004	2.12	15.20	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020350	3/18/2004	1.87	14.3	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020351	3/18/2004	2.23	19.3	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020352	3/18/2004	2.16	18.7	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020353	3/18/2004	2.27	18.5	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020354	3/18/2004	2.70	22.0	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020355	3/22/2004	1.91	7.07	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020356	3/22/2004	1.95	10.9	<MDL 1	<MDL 6	<MDL 6	<MDL 6
SPC01020357	3/22/2004	2.17	14.1	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020358	3/22/2004	1.91	9.39	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020359	3/22/2004	2.12	14.0	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020360	3/22/2004	2.36	17.9	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020361	3/22/2004	2.13	16.1	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020362	3/22/2004	1.89	14.5	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020363	3/22/2004	2.19	18.5	<MDL 1	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01020364	3/22/2004	2.29	18.51	<MDL 1	<MDL 8	<MDL 8	<MDL 8
SPC01020365	3/22/2004	2.23	25.63	<MDL 1	59.53	<MDL 7	<MDL 7
SPC01020366	3/22/2004	2.23	26.82	<MDL 1	56.43	<MDL 7	<MDL 7
SPC01020367	3/22/2004	2.63	34.60	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020368	3/22/2004	2.48	52.20	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020369	3/22/2004	2.70	36.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020370	3/22/2004	2.74	45.50	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020371	3/22/2004	2.73	50.00	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020372	3/22/2004	2.33	35.30	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020373	3/22/2004	2.58	38.50	<MDL 1	<MDL 7	<MDL 7	<MDL 7
SPC01020374	3/22/2004	17.30	22.90	<MDL 1	<MDL 7	<MDL 7	55.57
SPC01020375	3/22/2004	16.90	22.10	<MDL 1	<MDL 7	<MDL 7	56.01
SPC01020376	3/22/2004	17.70	23.10	<MDL 1	<MDL 7	<MDL 7	56.96
SPC01020377	3/25/2004	1.94	7.75	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020378	3/25/2004	2.02	11.54	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020379	3/25/2004	2.24	15.85	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020380	3/25/2004	1.93	9.68	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020381	3/25/2004	1.86	9.59	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020382	3/25/2004	2.04	13.67	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020383	3/25/2004	2.52	18.36	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020384	3/25/2004	2.16	16.06	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020385	3/25/2004	1.95	14.87	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020386	3/25/2004	2.41	21.73	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020387	3/25/2004	2.20	19.41	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020388	3/25/2004	2.39	18.73	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020389	3/25/2004	2.80	23.80	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01020390	3/25/2004	2.25	25.67	8.32	50.06	<MDL 7	<MDL 7
SPC01020391	3/25/2004	2.25	26.12	8.25	59.18	<MDL 7	<MDL 7
SPC01020392	3/25/2004	5.24	39.08	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020393	3/25/2004	5.74	51.50	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020394	3/25/2004	5.46	37.03	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020395	3/25/2004	5.79	44.64	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020396	3/25/2004	5.03	42.42	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020397	3/25/2004	5.30	35.47	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01020398	3/25/2004	5.66	37.11	<MDL 2	<MDL 7	<MDL 7	3.31
SPC01020399	3/25/2004	16.60	22.01	<MDL 2	<MDL 7	<MDL 7	54.67
SPC01021200	3/25/2004	16.84	21.84	<MDL 2	<MDL 7	<MDL 7	54.08
SPC01021201	3/25/2004	17.31	22.02	<MDL 2	<MDL 7	<MDL 7	54.10
SPC01021202	3/29/2004	2.75	24.26	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021203	3/29/2004	2.49	20.60	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021204	3/29/2004	3.01	24.98	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021205	3/29/2004	2.51	20.82	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021206	3/29/2004	2.85	23.43	<MDL 2	NA	NA	NA
SPC01021207	3/29/2004	3.18	22.70	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021208	3/29/2004	2.73	20.64	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021209	3/29/2004	2.81	19.45	<MDL 2	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021210	3/29/2004	3.24	24.04	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021211	3/29/2004	2.37	17.44	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021212	3/29/2004	2.00	15.16	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021213	3/29/2004	2.18	15.56	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021214	3/29/2004	3.27	20.17	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021215	3/29/2004	3.22	20.61	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021216	3/29/2004	2.29	14.29	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021217	3/29/2004	2.24	14.69	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021218	3/29/2004	2.26	10.62	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021219	3/29/2004	2.32	12.43	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021220	3/29/2004	3.08	14.20	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021221	3/29/2004	1.96	12.81	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021222	3/29/2004	2.18	10.25	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021223	3/29/2004	2.30	11.05	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021224	3/29/2004	1.96	10.18	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021225	3/29/2004	2.04	10.92	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021226	3/29/2004	2.30	26.21	8.27	54.90	<MDL 7	<MDL 7
SPC01021227	3/29/2004	2.24	26.16	8.39	54.74	<MDL 7	<MDL 7
SPC01021228	3/29/2004	5.08	33.24	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021229	3/29/2004	5.78	52.24	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021230	3/29/2004	5.23	35.74	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021231	3/29/2004	4.15	43.28	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021232	3/29/2004	4.87	41.76	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021233	3/29/2004	4.94	32.60	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021234	3/29/2004	4.77	34.97	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021235	3/29/2004	16.50	21.17	<MDL 2	<MDL 7	<MDL 7	54.29
SPC01021236	3/29/2004	17.31	22.62	<MDL 2	<MDL 7	<MDL 7	53.35
SPC01021237	3/29/2004	16.23	20.71	<MDL 2	<MDL 7	0.17	44.72
SPC01021238	4/1/2004	2.26	26.43	8.40	54.30	<MDL 7	<MDL 7
SPC01021239	4/1/2004	2.30	26.46	8.32	50.30	<MDL 7	<MDL 7
SPC01021240	4/1/2004	5.21	37.24	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021241	4/1/2004	5.90	50.15	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021242	4/1/2004	5.08	32.40	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021243	4/1/2004	5.27	39.89	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021244	4/1/2004	4.89	38.48	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021245	4/1/2004	4.83	30.15	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021246	4/1/2004	5.01	31.64	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021247	4/1/2004	16.60	22.33	<MDL 2	<MDL 7	0.15	48.82
SPC01021248	4/1/2004	16.24	21.77	<MDL 2	<MDL 7	0.02	52.19
SPC01021249	4/1/2004	16.60	21.97	<MDL 2	<MDL 7	0.13	46.88
SPC01021250	4/1/2004	2.19	9.70	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021251	4/1/2004	2.04	10.77	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021252	4/1/2004	2.03	10.50	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021253	4/1/2004	2.29	16.20	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021254	4/1/2004	2.33	20.01	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021255	4/1/2004	2.51	19.77	<MDL 2	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021256	4/5/2004	2.01	16.60	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021257	4/5/2004	2.12	13.01	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021258	4/5/2004	1.99	9.89	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021259	4/5/2004	1.95	9.73	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021260	4/5/2004	2.27	16.83	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021261	4/5/2004	2.02	15.83	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021262	4/5/2004	2.56	18.34	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021263	4/5/2004	2.53	22.22	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021264	4/5/2004	2.24	20.41	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021265	4/5/2004	2.40	20.35	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021266	4/5/2004	2.22	25.47	7.88	50.42	<MDL 7	<MDL 7
SPC01021267	4/5/2004	2.24	25.54	8.00	53.32	<MDL 7	<MDL 7
SPC01021268	4/5/2004	2.64	36.63	<MDL 2	<MDL 7	<MDL 7	0.18
SPC01021269	4/5/2004	2.83	46.72	<MDL 2	<MDL 7	<MDL 7	0.12
SPC01021270	4/5/2004	2.54	33.09	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021271	4/5/2004	2.69	40.46	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021272	4/5/2004	2.91	41.29	<MDL 2	<MDL 7	<MDL 7	0.14
SPC01021273	4/5/2004	2.48	32.05	<MDL 2	<MDL 7	<MDL 7	0.13
SPC01021274	4/5/2004	2.57	32.17	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021275	4/5/2004	17.49	23.12	<MDL 2	<MDL 7	<MDL 7	55.65
SPC01021276	4/5/2004	17.90	22.77	<MDL 2	<MDL 7	<MDL 7	1.31
SPC01021277	4/5/2004	17.33	22.31	<MDL 2	<MDL 7	<MDL 7	51.98
SPC01021278	4/8/2004	2.26	26.03	8.09	51.09	<MDL 7	<MDL 7
SPC01021279	4/8/2004	2.25	25.93	8.17	54.87	<MDL 7	0.12
SPC01021280	4/8/2004	2.35	22.96	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021281	4/8/2004	2.79	46.82	<MDL 2	<MDL 7	<MDL 7	0.14
SPC01021282	4/8/2004	2.59	33.17	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021283	4/8/2004	2.69	38.92	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021284	4/8/2004	2.65	37.09	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021285	4/8/2004	2.46	30.67	<MDL 2	<MDL 7	<MDL 7	0.08
SPC01021286	4/8/2004	2.54	31.15	<MDL 2	<MDL 7	<MDL 7	0.13
SPC01021287	4/8/2004	17.42	22.95	<MDL 2	0.12	0.15	49.08
SPC01021288	4/8/2004	17.49	22.57	<MDL 2	<MDL 7	<MDL 7	52.76
SPC01021289	4/8/2004	17.78	22.64	<MDL 2	<MDL 7	<MDL 7	55.36
SPC01021290	4/8/2004	1.97	9.89	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021291	4/8/2004	2.17	14.13	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021292	4/8/2004	2.28	14.93	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021293	4/8/2004	2.25	16.54	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021294	4/8/2004	2.25	16.76	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021295	4/8/2004	2.33	18.19	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021296	4/8/2004	1.97	15.88	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021297	4/8/2004	2.21	20.14	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021298	4/8/2004	2.32	19.79	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021299	4/12/2004	1.95	8.61	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021300	4/12/2004	2.15	12.76	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021301	4/12/2004	2.33	15.47	<MDL 2	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021302	4/12/2004	2.34	16.98	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021303	4/12/2004	2.35	18.14	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021304	4/12/2004	2.26	16.86	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021305	4/12/2004	1.95	15.83	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021306	4/12/2004	2.38	19.91	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021307	4/12/2004	2.26	20.09	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021308	4/13/2004	2.28	25.31	8.66	58.35	<MDL 7	<MDL 7
SPC01021309	4/13/2004	2.28	25.31	8.79	57.68	<MDL 7	<MDL 7
SPC01021310	4/13/2004	2.54	35.60	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021311	4/13/2004	2.32	21.84	<MDL 3	<MDL 7	<MDL 7	0.17
SPC01021312	4/13/2004	2.47	30.92	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021313	4/13/2004	2.63	36.98	<MDL 3	<MDL 7	<MDL 7	0.11
SPC01021314	4/13/2004	2.66	36.75	<MDL 3	0.02	<MDL 7	<MDL 7
SPC01021315	4/13/2004	2.52	29.40	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021316	4/13/2004	2.51	28.97	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021317	4/13/2004	18.64	24.14	<MDL 3	<MDL 7	<MDL 7	56.87
SPC01021318	4/13/2004	18.00	23.37	<MDL 3	<MDL 7	<MDL 7	54.35
SPC01021319	4/13/2004	18.68	23.38	<MDL 3	<MDL 7	<MDL 7	56.05
SPC01021320	4/13/2004	2.39	24.54	0.34	1.56	<MDL 7	<MDL 7
SPC01021321	4/13/2004	2.36	24.73	0.46	2.72	0.03	0.11
SPC01021322	4/13/2004	2.81	24.40	<MDL 3	<MDL 7	<MDL 7	1.00
SPC01021323	4/13/2004	3.32	24.46	<MDL 3	<MDL 7	<MDL 7	2.49
SPC01021324	4/13/2004	2.97	24.30	<MDL 3	0.09	0.03	1.84
SPC01021325	4/15/2004	2.12	8.04	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021326	4/15/2004	2.22	12.41	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021327	4/15/2004	2.40	14.88	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021328	4/15/2004	2.11	9.86	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021329	4/15/2004	2.60	17.10	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021330	4/15/2004	2.43	17.68	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021331	4/15/2004	2.32	16.04	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021332	4/15/2004	2.08	15.64	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021333	4/15/2004	2.28	19.26	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021334	4/15/2004	2.35	18.57	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021335	4/15/2004	2.49	24.50	0.27	1.18	<MDL 7	<MDL 7
SPC01021336	4/15/2004	2.37	24.56	0.33	1.60	<MDL 7	<MDL 7
SPC01021337	4/15/2004	2.57	32.68	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021338	4/15/2004	2.77	50.58	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021339	4/15/2004	2.49	30.64	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021340	4/15/2004	2.61	36.01	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021341	4/15/2004	2.60	35.36	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021342	4/15/2004	2.44	28.60	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021343	4/15/2004	2.52	28.92	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021344	4/15/2004	3.04	25.35	<MDL 3	<MDL 7	<MDL 7	1.19
SPC01021345	4/15/2004	3.54	27.10	<MDL 3	<MDL 7	<MDL 7	2.38
SPC01021346	4/15/2004	3.30	24.62	<MDL 3	<MDL 7	<MDL 7	1.63
SPC01021347	4/19/2004	1.98	8.38	<MDL 3	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021348	4/19/2004	2.18	12.16	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021349	4/19/2004	2.44	13.70	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021350	4/19/2004	2.02	9.82	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021351	4/19/2004	2.43	16.99	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021352	4/19/2004	2.48	17.18	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021353	4/19/2004	2.40	16.03	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021354	4/19/2004	2.05	14.92	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021355	4/19/2004	2.13	14.90	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021356	4/19/2004	2.32	19.74	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021357	4/19/2004	2.65	19.22	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021358	4/22/2004	1.86	7.91	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021359	4/22/2004	2.00	11.90	<MDL 3	NA	NA	NA
SPC01021360	4/22/2004	2.21	15.03	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021361	4/22/2004	1.89	9.59	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021362	4/22/2004	2.38	18.45	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021363	4/22/2004	2.33	18.23	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021364	4/22/2004	1.94	15.56	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021365	4/22/2004	2.69	27.70	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021366	4/22/2004	2.27	24.20	0.14	0.78	<MDL 7	<MDL 7
SPC01021367	4/22/2004	2.28	24.02	0.12	0.35	<MDL 7	<MDL 7
SPC01021368	4/22/2004	2.47	30.48	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021369	4/22/2004	2.72	44.27	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021370	4/22/2004	2.39	28.73	<MDL 3	NA	NA	NA
SPC01021371	4/22/2004	2.51	32.84	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021372	4/22/2004	2.50	32.52	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021373	4/22/2004	2.36	27.45	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021374	4/22/2004	2.43	26.99	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021375	4/22/2004	2.88	24.46	<MDL 3	<MDL 7	<MDL 7	0.86
SPC01021376	4/22/2004	3.01	24.42	<MDL 3	<MDL 7	<MDL 7	1.77
SPC01021377	4/22/2004	2.56	24.14	<MDL 3	<MDL 7	<MDL 7	<MDL 7
SPC01021378	4/26/2004	1.94	13.40	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021379	4/26/2004	2.25	19.61	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021380	4/26/2004	2.06	10.24	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021381	4/26/2004	2.11	11.65	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021382	4/26/2004	2.14	11.16	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021383	4/26/2004	1.97	16.92	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021384	4/26/2004	2.10	13.67	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021385	4/26/2004	2.32	20.37	<MDL 3	NA	NA	NA
SPC01021386	4/26/2004	2.61	18.32	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021387	4/26/2004	4.69	44.34	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021388	4/26/2004	2.56	14.94	<MDL 3	NA	NA	NA
SPC01021389	4/26/2004	2.20	14.00	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021390	4/26/2004	2.29	10.56	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021391	4/26/2004	2.27	14.37	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021392	4/26/2004	2.59	16.19	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021393	4/26/2004	2.30	12.05	<MDL 3	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021394	4/26/2004	2.82	20.33	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021395	4/26/2004	2.83	24.85	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021396	4/26/2004	2.34	19.73	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021397	4/26/2004	3.09	27.58	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021398	4/26/2004	2.94	32.06	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021399	4/26/2004	2.41	20.40	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021400	4/26/2004	2.98	24.39	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021401	4/26/2004	3.38	28.78	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021402	4/26/2004	2.88	24.27	<MDL 3	NA	NA	NA
SPC01021403	4/26/2004	2.41	17.23	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021404	4/26/2004	2.24	17.54	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021405	4/26/2004	2.04	15.06	<MDL 3	<MDL 8	<MDL 8	<MDL 8
SPC01021416	4/28/2004	2.24	23.92	<MDL 2	0.32	<MDL 7	<MDL 7
SPC01021417	4/28/2004	2.33	23.83	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021418	4/28/2004	2.37	29.46	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021419	4/28/2004	2.83	45.28	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021420	4/28/2004	2.34	28.06	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021421	4/28/2004	2.44	31.66	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021422	4/28/2004	2.42	30.59	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021423	4/28/2004	2.28	26.49	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021424	4/28/2004	2.36	26.84	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021425	4/28/2004	2.67	24.03	<MDL 2	<MDL 7	<MDL 7	0.59
SPC01021426	4/28/2004	2.77	23.85	<MDL 2	<MDL 7	<MDL 7	0.83
SPC01021427	4/28/2004	2.44	23.93	<MDL 2	<MDL 7	<MDL 7	0.13
SPC01021406	5/3/2004	1.92	16.27	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021407	5/3/2004	2.17	13.74	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021408	5/3/2004	2.42	21.63	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021409	5/3/2004	2.00	10.98	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021410	5/3/2004	1.97	9.54	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021411	5/3/2004	2.17	18.16	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021412	5/3/2004	2.20	15.54	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021413	5/3/2004	2.44	19.20	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021414	5/3/2004	1.95	14.62	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021415	5/3/2004	2.30	20.01	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021428	5/3/2004	2.22	23.71	<MDL 2	0.21	<MDL 7	<MDL 7
SPC01021429	5/3/2004	2.25	23.63	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021430	5/3/2004	2.37	28.48	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021431	5/3/2004	2.77	44.55	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021432	5/3/2004	2.32	27.13	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021433	5/3/2004	2.41	30.55	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021434	5/3/2004	2.39	29.41	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021435	5/3/2004	2.29	25.80	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021436	5/3/2004	2.32	25.35	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021437	5/3/2004	2.63	24.01	<MDL 2	<MDL 7	<MDL 7	0.56
SPC01021438	5/3/2004	2.65	24.01	<MDL 2	<MDL 7	<MDL 7	0.59
SPC01021439	5/3/2004	2.33	23.70	<MDL 2	<MDL 7	<MDL 7	<MDL 7

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021440	5/10/2004	1.87	8.37	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021441	5/10/2004	2.08	13.01	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021442	5/10/2004	2.25	15.95	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021443	5/10/2004	1.82	9.33	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021444	5/10/2004	2.35	19.46	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021445	5/10/2004	2.44	18.51	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021446	5/10/2004	2.27	15.75	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021447	5/10/2004	2.47	18.97	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021448	5/10/2004	1.93	14.60	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021449	5/10/2004	2.28	20.37	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021450	5/10/2004	2.75	19.49	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021451	5/10/2004	2.22	23.69	<MDL 2	0.17	<MDL 7	<MDL 7
SPC01021452	5/10/2004	2.27	23.89	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021453	5/10/2004	2.38	28.33	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021454	5/10/2004	2.73	42.56	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021455	5/10/2004	2.30	26.46	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021456	5/10/2004	2.38	29.35	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021457	5/10/2004	2.35	28.03	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021458	5/10/2004	2.29	25.28	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021459	5/10/2004	2.32	25.00	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021460	5/10/2004	2.59	24.61	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021461	5/10/2004	2.56	24.10	<MDL 2	<MDL 7	<MDL 7	0.27
SPC01021462	5/10/2004	2.36	23.88	<MDL 2	<MDL 7	<MDL 7	0.30
SPC01021463	5/17/2004	2.42	17.98	<MDL 2	<MDL 8	<MDL 8	0.05
SPC01021464	5/17/2004	2.01	10.22	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021465	5/17/2004	2.26	18.42	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021466	5/17/2004	2.49	19.31	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021467	5/17/2004	2.26	16.26	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021468	5/17/2004	2.00	14.92	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021469	5/17/2004	2.30	21.00	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021470	5/17/2004	2.46	20.48	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021471	5/20/2004	2.36	24.02	<MDL 2	0.05	<MDL 7	<MDL 7
SPC01021472	5/20/2004	2.39	23.97	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021473	5/20/2004	2.45	27.11	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021474	5/20/2004	2.82	40.74	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021475	5/20/2004	2.42	26.03	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021476	5/20/2004	2.54	28.38	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021477	5/20/2004	2.45	27.18	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021478	5/20/2004	2.39	25.25	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021479	5/20/2004	2.44	24.88	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021480	5/20/2004	2.61	24.17	<MDL 2	<MDL 7	<MDL 7	0.19
SPC01021481	5/20/2004	2.54	24.23	<MDL 2	<MDL 7	<MDL 7	0.12
SPC01021482	5/20/2004	2.43	24.05	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021483	5/24/2004	2.12	12.10	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021484	5/24/2004	1.96	9.34	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021485	5/24/2004	1.79	9.04	NR	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021486	5/24/2004	2.17	14.82	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021487	5/24/2004	3.97	29.62	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021488	5/24/2004	2.71	14.30	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021489	5/24/2004	3.64	27.46	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021490	5/24/2004	2.46	11.54	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021491	5/24/2004	2.42	12.88	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021492	5/24/2004	2.14	10.26	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021493	5/24/2004	2.30	9.59	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021494	5/24/2004	2.81	11.15	NR	NA	NA	NA
SPC01021495	5/24/2004	2.47	14.74	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021496	5/24/2004	2.87	22.67	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021497	5/24/2004	2.86	20.04	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021498	5/24/2004	2.93	15.95	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021499	5/24/2004	2.99	22.05	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021500	5/24/2004	3.05	21.19	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021501	5/24/2004	2.58	17.59	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021502	5/24/2004	2.25	17.65	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021503	5/24/2004	3.33	24.09	NR	NA	NA	NA
SPC01021504	5/24/2004	2.65	19.38	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021505	5/24/2004	2.57	17.70	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021506	5/24/2004	2.37	15.64	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021507	5/24/2004	2.12	13.44	NR	<MDL 8	<MDL 8	<MDL 8
SPC01021508	5/24/2004	2.20	23.89	<MDL 2	NA	NA	NA
SPC01021509	5/24/2004	2.32	23.63	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021510	5/24/2004	2.40	26.71	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021511	5/24/2004	2.66	39.75	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021512	5/24/2004	2.26	25.36	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021513	5/24/2004	2.33	27.48	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021514	5/24/2004	2.27	26.70	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021515	5/24/2004	2.26	24.83	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021516	5/24/2004	2.26	24.54	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021517	5/24/2004	2.40	23.93	<MDL 2	<MDL 7	<MDL 7	0.13
SPC01021518	5/24/2004	2.37	23.99	<MDL 2	<MDL 7	<MDL 7	0.09
SPC01021519	5/24/2004	2.24	23.78	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021532	6/1/2004	2.23	23.77	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021533	6/1/2004	2.24	23.68	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021534	6/1/2004	2.31	26.23	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021535	6/1/2004	2.68	40.48	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021536	6/1/2004	2.31	25.49	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021537	6/1/2004	2.31	27.23	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021538	6/1/2004	2.49	25.96	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021539	6/1/2004	2.27	24.45	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021540	6/1/2004	2.31	24.28	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021541	6/1/2004	2.37	23.82	<MDL 2	<MDL 7	<MDL 7	0.09
SPC01021542	6/1/2004	2.59	23.96	<MDL 2	<MDL 7	<MDL 7	0.05
SPC01021543	6/1/2004	2.25	23.62	<MDL 2	<MDL 7	<MDL 7	<MDL 7

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021544	6/7/2004	2.07	13.16	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021545	6/7/2004	2.23	15.49	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021546	6/7/2004	1.96	10.80	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021547	6/7/2004	1.78	9.57	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021548	6/7/2004	2.41	20.94	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021549	6/7/2004	2.34	18.67	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021550	6/7/2004	1.97	15.31	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021551	6/7/2004	2.16	19.25	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021552	6/7/2004	2.31	18.76	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021553	6/7/2004	2.22	23.70	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021554	6/7/2004	2.24	23.73	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021555	6/7/2004	2.30	26.14	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021556	6/7/2004	2.61	37.77	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021557	6/7/2004	2.26	24.83	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021558	6/7/2004	2.40	26.58	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021559	6/7/2004	2.32	25.93	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021560	6/7/2004	2.25	24.53	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021561	6/7/2004	2.29	24.48	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021562	6/7/2004	2.33	23.96	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021563	6/7/2004	2.32	23.96	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021564	6/7/2004	2.27	13.16	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021520	6/10/2004	2.19	17.32	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021521	6/10/2004	2.48	22.81	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021522	6/10/2004	1.97	12.84	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021523	6/10/2004	1.74	10.11	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021524	6/10/2004	2.29	18.69	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021525	6/10/2004	2.51	29.56	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021526	6/10/2004	2.30	19.42	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021527	6/10/2004	1.91	15.34	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021528	6/10/2004	1.92	15.34	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021529	6/10/2004	2.48	22.41	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021530	6/10/2004	2.26	26.38	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021531	6/10/2004	2.42	26.75	<MDL 2	NA	NA	NA
SPC01021565	6/14/2004	1.91	8.95	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021566	6/14/2004	2.19	12.91	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021567	6/14/2004	2.34	14.98	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021568	6/14/2004	2.70	24.02	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021569	6/14/2004	2.47	17.59	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021570	6/14/2004	2.40	16.21	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021571	6/14/2004	2.09	15.40	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021572	6/14/2004	2.31	19.38	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021573	6/14/2004	2.46	18.84	<MDL 2	<MDL 8	<MDL 8	<MDL 8
SPC01021574	6/14/2004	2.58	23.77	<MDL 2	<MDL 7	<MDL 7	0.06
SPC01021575	6/14/2004	2.39	23.72	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021576	6/14/2004	2.48	25.91	<MDL 2	<MDL 7	<MDL 7	0.05
SPC01021577	6/14/2004	2.75	35.98	<MDL 2	<MDL 7	<MDL 7	0.09

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01021578	6/14/2004	2.37	24.45	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021579	6/14/2004	2.58	25.90	<MDL 2	<MDL 7	<MDL 7	0.09
SPC01021580	6/14/2004	2.39	25.13	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021581	6/14/2004	2.36	24.21	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021582	6/14/2004	2.41	24.15	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021583	6/14/2004	2.44	23.70	<MDL 2	0.11	<MDL 7	<MDL 7
SPC01021584	6/14/2004	2.44	23.88	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021585	6/14/2004	2.42	23.76	<MDL 2	<MDL 7	<MDL 7	<MDL 7
SPC01021586	6/21/2004	1.94	8.85	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021587	6/21/2004	2.29	13.70	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021588	6/21/2004	2.49	16.21	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021589	6/21/2004	2.59	17.90	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021590	6/21/2004	2.45	16.09	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021591	6/21/2004	2.44	20.41	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021592	6/21/2004	2.21	15.48	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021593	6/21/2004	2.55	19.28	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01021594	6/21/2004	2.40	23.67	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01021595	6/21/2004	2.48	23.93	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01021596	6/21/2004	2.53	25.92	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01021597	6/21/2004	2.71	34.73	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01021598	6/21/2004	2.41	24.46	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01021599	6/21/2004	2.44	25.65	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030600	6/21/2004	2.46	24.99	<MDL 5	0.58	<MDL 7	<MDL 7
SPC01030601	6/21/2004	2.40	24.17	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030602	6/21/2004	2.46	24.18	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030603	6/21/2004	2.51	23.93	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030604	6/21/2004	2.50	24.01	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030605	6/21/2004	2.45	23.84	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030607	6/21/2004	1.62	9.08	NR	NA	NA	NA
SPC01030606	6/28/2004	1.75	9.49	NR	NA	NA	NA
SPC01030608	6/28/2004	2.66	18.44	NR	NA	NA	NA
SPC01030609	6/28/2004	2.00	14.54	NR	NA	NA	NA
SPC01030610	6/28/2004	1.77	13.97	NR	0.18	0.01	<MDL 6
SPC01030611	6/28/2004	2.45	24.03	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030612	6/28/2004	2.48	24.04	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030613	6/28/2004	2.49	25.59	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030614	6/28/2004	2.73	34.56	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030615	6/28/2004	2.45	24.40	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030616	6/28/2004	2.48	25.84	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030617	6/28/2004	2.47	24.94	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030618	6/28/2004	2.45	24.33	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030619	6/28/2004	2.48	24.30	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030620	6/28/2004	2.52	24.04	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030621	6/28/2004	2.52	24.21	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030622	6/28/2004	2.51	24.11	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030623	7/8/04	2.07	9.06	<MDL 5	<MDL 8	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01030624	7/8/04	2.21	13.54	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030625	7/8/04	2.42	15.18	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030626	7/8/04	2.24	11.24	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030627	7/8/04	2.00	10.17	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030628	7/8/04	2.57	18.49	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030629	7/8/04	2.37	16.00	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030630	7/8/04	2.05	12.41	<MDL 5	0.15	<MDL 8	<MDL 8
SPC01030631	7/8/04	2.51	18.96	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030632	7/8/04	2.37	19.46	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030633	7/8/04	2.42	23.92	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030634	7/8/04	2.44	23.97	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030635	7/8/04	2.45	25.56	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030636	7/8/04	2.65	33.87	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030637	7/8/04	2.40	24.16	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030638	7/8/04	2.43	25.59	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030639	7/8/2004	2.43	24.56	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030640	7/8/2004	2.43	24.14	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030641	7/8/2004	2.45	24.27	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030642	7/8/2004	2.48	23.91	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030643	7/8/2004	2.46	24.01	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030644	7/8/2004	2.44	23.95	<MDL 5	<MDL 7	<MDL 7	<MDL 7
SPC01030645	7/19/04	2.15	9.69	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030646	7/19/04	1.95	10.38	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030647	7/19/04	2.71	21.31	<MDL 5	<MDL 8	<MDL 8	<MDL 8
SPC01030648	7/19/04	2.19	15.27	<MDL 5	0.19	<MDL 8	<MDL 8
SPC01030649	7/27/04	1.76	10.25	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030650	7/27/2004	2.05	15.40	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030651	8/5/2004	2.42	11.79	NR	<MDL 8	<MDL 8	<MDL 8
SPC01030652	8/5/2004	2.55	12.33	NR	<MDL 8	<MDL 8	<MDL 8
SPC01030653	8/5/2004	2.99	19.25	NR	0.45	<MDL 8	<MDL 8
SPC01030654	8/5/2004	2.41	14.88	NR	0.54	<MDL 8	<MDL 8
SPC01030655	8/5/04	2.53	24.04	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030656	8/5/04	2.43	24.13	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030657	8/5/04	2.71	24.87	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030658	8/5/04	2.53	30.03	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030659	8/5/04	2.42	24.24	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030660	8/5/04	2.40	24.53	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030661	8/5/04	2.36	24.36	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030662	8/5/04	2.42	24.22	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030663	8/5/04	2.40	24.24	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030664	8/5/04	2.39	24.09	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030665	8/5/04	2.40	24.17	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030666	8/5/04	2.41	24.11	<MDL 4	<MDL 7	<MDL 7	<MDL 7
SPC01030667	8/16/2004	2.12	10.54	<MDL 4	NA	NA	NA
SPC01030668	8/16/04	2.75	17.85	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030669	8/16/04	3.02	30.32	<MDL 4	0.10	<MDL 8	<MDL 8

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01030670	8/16/04	2.16	16.02	<MDL 4	0.36	<MDL 8	<MDL 8
SPC01030672	8/23/04	2.01	11.00	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030673	8/23/04	2.42	17.23	<MDL 4	0.16	<MDL 8	<MDL 8
SPC01030674	8/23/04	2.76	31.25	<MDL 4	0.22	<MDL 8	<MDL 8
SPC01030675	8/23/04	2.10	11.23	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030676	8/23/04	2.57	17.16	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030677	8/23/04	2.15	16.00	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030992	9/7/2004	1.79	13.9	NR	0.82	0.03	<MDL 6
SPC01030993	9/7/2004	2.45	17.4	NR	0.69	0.03	<MDL 6
SPC01030994	9/7/2004	3.22	32.3	NR	0.47	0.02	<MDL 6
SPC01030995	9/7/2004	2.43	18.4	NR	0.31	<MDL 6	<MDL 6
SPC01030996	9/7/2004	2.47	17.1	NR	0.41	0.02	<MDL 6
SPC01030997	9/7/2004	1.89	9.41	NR	<MDL 6	<MDL 6	<MDL 6
SPC01030998	9/7/2004	2.07	15.2	NR	<MDL 6	<MDL 6	0.02
SPC01030999	9/7/2004	1.87	13.4	NR	<MDL 6	<MDL 6	0.02
SPC01030678	9/13/04	2.18	11.67	<MDL 4	<MDL 6	<MDL 6	<MDL 6
SPC01030679	9/13/04	2.92	19.28	<MDL 4	0.21	<MDL 6	<MDL 6
SPC01030680	9/13/04	3.03	23.63	<MDL 4	0.30	<MDL 6	<MDL 6
SPC01030681	9/13/04	3.05	19.90	<MDL 4	<MDL 6	<MDL 6	<MDL 6
SPC01030682	9/13/2004	3.45	47.30	<MDL 4	0.20	<MDL 6	<MDL 6
SPC01030683	9/13/2004	4.43	70.37	<MDL 4	0.09	<MDL 6	<MDL 6
SPC01030684	9/13/04	3.55	35.28	<MDL 4	0.48	<MDL 6	<MDL 6
SPC01030685	9/13/04	2.78	20.91	<MDL 4	0.31	0.02	<MDL 6
SPC01030686	9/13/2004	3.04	21.05	<MDL 4	0.19	<MDL 8	<MDL 8
SPC01030687	9/13/04	2.28	16.72	<MDL 4	0.59	<MDL 8	<MDL 8
SPC01030688	9/13/04	2.91	73.27	<MDL 4	1.13	<MDL 8	<MDL 8
SPC01030689	9/13/04	3.20	33.02	<MDL 4	0.67	0.05	<MDL 6
SPC01030690	9/13/2004	3.33	31.72	<MDL 4	0.26	<MDL 6	<MDL 6
SPC01030691	9/20/04	2.08	12.51	<MDL 4	<MDL 8	<MDL 8	<MDL 8
SPC01030692	9/20/04	2.37	15.30	<MDL 4	0.24	<MDL 8	<MDL 8
SPC01030693	9/20/04	2.38	17.45	<MDL 4	0.37	<MDL 8	<MDL 8
SPC01030694	9/20/04	2.31	19.65	<MDL 4	0.08	<MDL 6	<MDL 6
SPC01030695	9/20/04	1.82	11.51	<MDL 4	0.12	<MDL 6	0.06
SPC01030696	9/20/2004	2.34	17.49	<MDL 4	<MDL 6	<MDL 6	0.02
SPC01030697	9/20/2004	2.45	20.77	<MDL 4	0.20	<MDL 6	<MDL 6
SPC01030698	9/20/2004	3.21	42.72	<MDL 4	<MDL 6	<MDL 6	0.01
SPC01030699	9/20/2004	2.49	23.97	<MDL 4	0.51	<MDL 8	<MDL 8
SPC01030986	9/20/2004	2.41	23.28	<MDL 4	0.83	0.04	<MDL 6
SPC01030987	9/20/04	2.47	29.33	<MDL 4	1.03	0.05	<MDL 6
SPC01030988	9/20/04	2.71	39.80	<MDL 4	1.34	0.07	<MDL 6
SPC01030989	9/20/04	2.02	16.03	<MDL 4	1.05	0.06	<MDL 6
SPC01030990	9/20/04	2.35	18.04	<MDL 4	0.46	<MDL 6	<MDL 6
SPC01030991	9/20/04	2.78	26.16	<MDL 4	0.68	<MDL 6	<MDL 6
SPC01030965	10/11/2004	1.54	15.5	NR	1.32	0.17	0.09
SPC01030966	10/11/2004	1.42	18.7	NR	1.30	0.19	0.09
SPC01030967	10/11/2004	2.50	21.7	NR	0.98	0.09	0.05

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01030968	10/11/2004	1.62	15.1	NR	0.99	0.11	0.07
SPC01030969	10/11/2004	1.81	15.1	NR	1.03	0.13	0.08
SPC01030970	10/11/2004	1.48	13.9	NR	1.10	0.17	0.12
SPC01030971	10/11/2004	1.46	14.4	NR	1.15	0.17	0.01
SPC01030972	10/11/2004	2.13	19.9	NR	1.48	0.12	0.11
SPC01030973	10/11/2004	1.64	13.8	NR	0.92	0.23	0.09
SPC01030974	10/11/2004	1.59	13.5	NR	0.89	0.12	0.08
SPC01030975	10/11/2004	1.99	12.6	NR	0.41	0.05	0.19
SPC01030976	10/11/2004	1.64	11.7	NR	0.38	<MDL 6	0.16
SPC01030977	10/11/2004	1.56	11.3	NR	0.22	0.05	0.19
SPC01030978	10/11/2004	1.78	12.2	NR	0.34	0.03	0.08
SPC01030979	10/11/2004	1.52	11.0	NR	0.25	0.06	0.20
SPC01030980	10/11/2004	1.58	10.5	NR	0.25	<MDL 6	0.13
SPC01030983	10/11/2004	1.88	8.73	NR	0.18	<MDL 6	<MDL 6
SPC01030984	10/11/2004	1.72	6.71	NR	0.15	<MDL 6	<MDL 6
SPC01030985	10/11/2004	1.81	6.41	NR	0.11	<MDL 6	<MDL 6
SPC01030914	10/12/2004	1.63	13.8	NR	1.81	0.11	<MDL 6
SPC01030915	10/12/2004	1.66	13.6	NR	1.65	0.11	<MDL 6
SPC01030916	10/12/2004	1.66	13.6	NR	1.61	0.10	<MDL 6
SPC01030917	10/12/2004	2.96	26.0	NR	1.18	0.08	<MDL 6
SPC01030918	10/12/2004	2.28	18.1	NR	2.03	0.13	<MDL 6
SPC01030919	10/12/2004	2.54	28.4	NR	4.01	0.23	<MDL 6
SPC01030920	10/12/2004	1.85	15.1	NR	2.01	0.12	<MDL 6
SPC01030921	10/12/2004	1.87	17.5	NR	2.34	0.15	<MDL 6
SPC01030922	10/12/2004	1.77	18.8	NR	2.68	0.17	<MDL 6
SPC01030923	10/12/2004	1.58	16.2	NR	2.58	0.17	<MDL 6
SPC01030924	10/12/2004	1.79	17.7	NR	2.18	0.15	<MDL 6
SPC01030925	10/12/2004	1.58	17.0	NR	NA	0.20	<MDL 6
SPC01030926	10/12/2004	2.09	19.7	NR	2.05	0.11	0.02
SPC01030927	10/12/2004	1.93	15.8	NR	2.10	0.13	0.01
SPC01030928	10/12/2004	1.84	19.4	NR	2.54	0.17	<MDL 6
SPC01030929	10/12/2004	1.94	16.7	NR	2.02	0.16	0.05
SPC01030930	10/12/2004	2.03	18.3	NR	1.42	0.09	0.19
SPC01030931	10/12/2004	2.38	18.6	NR	1.62	0.10	0.25
SPC01030932	10/12/2004	1.89	16.5	NR	1.63	0.13	0.15
SPC01030933	10/12/2004	2.23	17.9	NR	1.68	0.09	0.14
SPC01030934	10/12/2004	2.12	16.3	NR	1.87	0.15	0.07
SPC01030935	10/12/2004	2.04	16.8	NR	1.47	0.09	0.29
SPC01030936	10/12/2004	2.74	22.0	NR	2.07	0.11	0.07
SPC01030937	10/12/2004	1.73	14.9	NR	1.83	0.07	0.05
SPC01030938	10/12/2004	1.65	14.7	NR	1.92	0.11	0.10
SPC01030939	10/12/2004	1.89	15.9	NR	2.11	0.15	0.05
SPC01030940	10/12/2004	2.34	19.3	NR	2.74	0.12	0.03
SPC01030941	10/12/2004	2.03	16.3	NR	1.99	0.10	<MDL 6
SPC01030942	10/12/2004	1.84	15.7	NR	2.11	0.12	<MDL 6
SPC01030943	10/12/2004	2.00	14.0	NR	0.60	0.06	0.04

Sample Identification Number	Date Collected	F (ppm)	Br (ppm)	I (ppm)	2,6 DFBA (ppm)	2,5 DFBA (ppm)	2,4,5 TFBA (ppm)
SPC01030944	10/12/2004	1.88	14.3	NR	0.41	<MDL 6	0.02
SPC01030945	10/12/2004	1.77	12.3	NR	0.59	0.06	0.03
SPC01030946	10/12/2004	3.39	15.7	NR	0.15	<MDL 6	<MDL 6
SPC01030947	10/12/2004	2.01	19.1	NR	0.69	0.08	<MDL 6
SPC01030948	10/12/2004	2.14	12.6	NR	0.26	0.04	<MDL 6
SPC01030949	10/12/2004	2.00	9.65	NR	0.23	0.02	<MDL 6
SPC01030950	10/12/2004	1.63	15.7	NR	0.75	0.10	0.04
SPC01030951	10/12/2004	2.07	13.7	NR	0.16	0.01	0.03
SPC01030952	10/12/2004	2.07	10.3	NR	0.14	0.02	0.26
SPC01030953	10/12/2004	1.86	14.0	NR	0.73	0.08	0.05
SPC01030954	10/12/2004	2.17	10.2	NR	0.26	0.03	0.28
SPC01030955	10/12/2004	1.57	11.2	NR	0.38	0.05	0.08
SPC01030956	10/12/2004	2.40	16.3	NR	0.22	0.02	0.17
SPC01030957	10/12/2004	1.81	10.7	NR	0.58	0.05	0.09
SPC01030958	10/12/2004	1.51	7.23	NR	0.19	<MDL 6	<MDL 6
SPC01030959	10/12/2004	1.61	7.89	NR	0.77	0.06	<MDL 6
SPC01030960	10/12/2004	1.56	12.0	NR	1.31	0.06	<MDL 6
SPC01030961	10/12/2004	1.53	13.0	NR	1.69	0.09	<MDL 6
SPC01030962	10/12/2004	1.59	7.08	NR	0.36	0.02	<MDL 6
SPC01030963	10/12/2004	1.74	13.1	NR	0.89	0.05	<MDL 6
SPC01030964	10/12/2004	1.78	7.53	NR	0.34	0.02	<MDL 6
SPC01030910	10/14/2004	3.76	29.9	NR	0.40	0.02	<MDL 6
SPC01030911	10/14/2004	2.78	18.3	NR	0.88	0.04	<MDL 6
SPC01030912	10/14/2004	2.72	22.2	NR	0.06	0.02	0.27
SPC01030913	10/14/2004	NE	NE	NE	1.75	0.09	0.02
SPC01030913	10/14/2004	NE	NE	NE	1.75	0.09	0.02
SPC01033700	12/21/04	1.94	14.06	0.07	0.18	0.07	0.27
SPC01033701	12/21/2004	2.14	18.90	0.14	1.10	0.20	0.18
SPC01033702	12/21/2004	1.94	18.78	0.19	1.40	0.17	0.15
SPC01033703	12/21/2004	2.45	32.41	0.08	0.50	<MDL 6	0.03
SPC01033704	12/21/2004	2.03	35.36	0.07	0.86	<MDL 6	0.09
SPC01033705	12/21/04	1.98	14.14	<MDL 4	0.45	<MDL 6	0.16
SPC01033706	12/21/04	2.21	16.85	0.13	1.14	0.09	0.07
SPC01033707	12/21/04	1.97	12.17	<MDL 4	0.86	0.03	<MDL 6
SPC01033708	12/21/04	1.93	9.87	<MDL 4	0.27	0.02	<MDL 6
SPC01033709	12/21/04	2.11	19.27	0.17	1.96	0.11	0.05
SPC01033710	12/21/04	2.03	17.67	0.19	1.75	0.11	<MDL 6
SPC01033711	12/21/2004	2.28	20.71	0.16	1.85	0.10	0.04
SPC01033712	12/21/04	2.37	21.14	0.17	1.96	0.12	0.06
SPC01033713	12/21/2004	2.44	19.63	0.14	1.70	0.06	<MDL 6
SPC01033714	12/21/2004	2.09	22.31	0.32	2.50	0.15	<MDL 6
SPC01033715	12/21/2004	3.35	25.59	0.10	1.05	0.05	<MDL 6
SPC01033716	12/21/04	2.22	24.46	0.28	2.39	0.14	<MDL 6
SPC01033717	12/21/04	2.08	24.68	0.29	2.06	0.14	<MDL 6
SPC01033718	12/21/2004	2.99	24.82	0.06	0.49	0.02	<MDL 6

Appendix B

Method Detection Limits

Iodide Method Detection Limits (ppm)	2,6 DFBA Method Detection Limits (ppm)	2,5 DFBA Method Detection Limits (ppm)	2,4,5 TFBA Method Detection Limits (ppm)
MDL 1 = 0.13	MDL 6 = 0.0055	MDL 6 = 0.005	MDL 6 = 0.0058
MDL 2 = 0.278	MDL 7 = 0.0025	MDL 7 = 0.0062	MDL 7 = 0.017
MDL 3 = 0.102	MDL 8 = 0.0060	MDL 8 = 0.0076	MDL 8 = 0.01391
MDL 4 = 0.022			
MDL 5 = 0.045			