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**GROUNDWATER MONITORING
VALIDATED ANALYTICAL RESULTS FOR THE THIRD QUARTER 1995
ASH LANDFILL, SENECA ARMY DEPOT**

PREPARED FOR:
U.S. Army Corps of Engineers
Huntsville, Alabama

PREPARED BY:
Parsons Engineering Science, Inc.
Boston, Massachusetts

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TABLES

Table 1	Groundwater Elevation Data
Table 2	Summary of Validated Volatile Organic Analysis Results

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TABLE 1
 SENECA ARMY DEPOT ACTIVITY
 1995 GROUNDWATER MONITORING PROGRAM
 GROUNDWATER ELEVATION DATA

Monitoring Well	Elevation at Top of Riser (MSL)	First Quarter 1995			Second Quarter 1995			Third Quarter 1995		
		Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)	Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)	Date	Depth from Top of Riser (ft.)	Elevation of Water Level (ft.)
Ash Landfill										
PT-10	681.52				06/05/95	10.4	671.12	09/12/95	10.5	671.02
PT-11	658.22	03/16/95	4.28	653.94	06/05/95	7.2	651.02	09/12/95	8.39	649.83
PT-12	652.15				06/05/95	Destroyed				
PT-15	637.76				06/05/95	8.2	629.56	09/12/95	9.73	628.03
PT-16	637.51				06/05/95	4.68	632.83	09/12/95	5.36	632.15
PT-17	640.14				06/05/95	7.87	632.27	09/12/95	8.66	631.48
PT-18	656.68				06/05/95	8.24	648.44	09/12/95	8.81	647.87
PT-19	645.26	03/17/95	3.1	642.16	06/05/95	6.33	638.93	09/12/95	7.57	637.69
PT-20	647.28				06/05/95	7.69	639.59	09/12/95	8.83	638.45
PT-21	647.73				06/05/95	Destroyed				
PT-22	648.61				06/05/95	8.92	639.69	09/12/95	9.74	638.87
PT-23	641.58				06/05/95	6.95	634.63	09/12/95	7.94	633.64
PT-24	636.4				06/05/95	5.41	630.99	09/12/95	5.64	630.76
PT-25	637.09				06/05/95	7.2	629.89	09/12/95	9.84	627.25
PT-26	614.64				06/05/95	7.02	607.62	09/12/95	N/A	614.64
MW-27	639.32	03/16/95	5.13	634.19	06/05/95	6.85	632.47	09/12/95	6.74	632.58
MW-28	637.21				06/05/95	5.93	631.28	09/12/95	6.12	631.09
MW-29	637.31				06/05/95	7.38	629.93	09/12/95	7.78	629.53
MW-30	640.32	03/17/95	4.1	636.22	06/05/95	Dry		09/12/95	10.42	629.9
MW-31	636.7				06/05/95	6.49	630.21	09/12/95	8.7	628.00
MW-32	641.68				06/05/95	8	633.68	09/12/95	8.9	632.78
MW-33	639.56				06/05/95	8.76	630.8	09/12/95	9.62	629.94
MW-34	632.89				06/05/95	5.93	626.96	09/12/95	8.9	623.99
MW-35D	631.82				06/05/95	4.15	627.67	09/12/95	5.43	626.39
MW-36	631.79	03/16/95	2.34	629.45	06/05/95	4.36	627.43	09/12/95	5.94	625.85
MW-37	632.89	09/23/01			06/05/95	4.58	628.31	09/12/95	5.96	626.93
MW-38D	637.9	09/28/01			06/05/95	5.23	632.67	09/12/95	8.91	628.99
MW-39	659.54	10/20/01			06/05/95	3.96	655.58	09/12/95	5.27	654.27
MW-40	659.3	10/20/01	3.61	655.69	06/05/95	6.48	652.82	09/12/95	7.46	651.84
MW-41D	694.02	11/24/01			06/05/95	8.48	685.54	09/12/95	8.76	685.26
MW-42D	683.04				06/05/95	5.97	677.07	09/12/95	8.34	674.70
MW-43	657.73				06/05/95	4.72	653.01	09/12/95	5.73	652.00
MW-44	653.85				06/05/95	Destroyed				
MW-45	650.9	03/17/95	3.05	647.85	06/05/95	5.26	645.64	09/12/95	6.34	644.56
MW-46	650.41				06/05/95	7.06	643.35	09/12/95	7.96	642.45
MW-47	628.06	03/16/95	2.84	625.22	06/05/95	6.48	621.58	09/12/95	5.96	622.10
MW-48	648.32	03/17/95	3.1	645.22	06/05/95	6.13	642.19	09/12/95	6.86	641.46
MW-49D	650.5				06/05/95	7.1	643.4	09/12/95	7.88	642.62
MW-50D	649.88				06/05/95	6.88	643	09/12/95	7.69	642.19
MW-51D	628.24				06/05/95	6.63	621.61	09/12/95	6.12	622.12
MW-52D	626.35				06/05/95	6.12	620.23	09/12/95	5.68	620.67
MW-53	639.41				06/05/95	8.45	630.96	09/12/95	8.94	630.47
MW-54D	639.11				06/05/95	8.3	630.81	09/12/95	8.76	630.35
MW-55D	639.16				06/05/95	8.18	630.98	09/12/95	8.62	630.54
MW-56	630.51	03/16/95	2.95	627.56	06/05/95	4.14	626.37	09/12/95	4.31	626.20
MW-57D	629.82				06/05/95	3.79	626.03	09/12/95	3.7	626.12
MW-58D	629.69				06/05/95	3.6	626.09	09/12/95	3.52	626.17
MW-59	656.83	03/17/95	1.9	654.93	06/05/95	3.26	653.57	09/12/95	4.58	652.25
MW-60	660.15	03/17/95	2.02	658.13	06/05/95	3.83	656.32	09/12/95	5.33	654.82

1. The first part of the document discusses the importance of maintaining accurate records.

2. It then outlines the various methods used to collect and analyze data.

3. The results of the study are presented in the following section.

4. Finally, the document concludes with a summary of the findings and recommendations.

5. The appendix contains additional information and data.

6. The bibliography lists the sources used in the research.

7. The index provides a quick reference to the various sections of the document.

8. The glossary defines the key terms used throughout the text.

9. The appendices provide detailed information on the data collection process.

10. The final section discusses the implications of the study for future research.

Table 2
 ASH Landfill 1995 Third Quarter Groundwater Monitoring
 Validated Volatile Organic Analyses Results (Method 524.2)

CAS No.	COMPOUND	MATRIX	LOCATION	SAMPLE DATE	WATER		WATER		WATER		WATER		WATER		WATER		
					ASH	BRNS	ASH	FHS	ASH	MWZ7	ASH	MWZ7RE	ASH	MW40	ASH	MW448	ASH	MW45
					270971	270969	270970	271008	270977	270978	270978	270978	270978	270978	270978	270978	270978
					53766	53766	53766	53766	53766	53766	53766	53766	53766	53766	53766	53766	53766
					SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER	SDG NUMBER
					UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
75-71-8	Dichlorodifluoromethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-87-3	Chloromethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-01-4	Vinyl Chloride	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-83-9	Bromomethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-00-3	Chloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-99-4	Trichlorofluoromethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-64-1	Acetone	ug/l			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
75-35-4	1,1-Dichloroethene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
156-80-5	trans-1,2-Dichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-09-2	Methylene Chloride	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1034-04-4	Methyl t-Buyl Ether	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-34-3	1,1-Dichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
156-59-2	cis-1,2-Dichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
78-93-3	2-Butanone	ug/l			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
590-20-7	2,2-Dichloropropane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
67-66-3	Chloroform	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-97-5	Bromoethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
71-55-8	1,1,1-Trichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
563-56-6	1,1-Dichloroethene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
56-23-5	Carbon Tetrachloride	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
107-06-2	1,2-Dichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
71-43-2	Benzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
79-01-8	Trichloroethene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
78-87-5	1,2-Dichloropropane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-27-4	Bromodichloromethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-95-3	Dibromomethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-10-1	4-Methyl-2-Pentanone	ug/l			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
10081-01-6	cis-1,3-Dichloropropene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-86-3	Toluene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
10081-02-6	trans-1,3-Dichloropropene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
79-00-5	1,1,2-Trichloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
591-78-6	2-Heptanone	ug/l			3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
143-28-9	1,3-Dichloropropane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
127-18-4	Tetrachloroethene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
124-48-1	1,2-Dibromoethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
106-86-1	1,2-Dibromoethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-90-7	Chlorobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
630-20-8	1,1,1,2-Tetrachloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
100-20-4	Ethylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1300-20-7	Xylene (Total)	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-25-2	Bromoforn	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-62-8	Isopropylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-18-4	1,2,3-Trichloropropane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-86-1	Bromobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
103-85-1	n-Propylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-49-8	2-Chlorotoluene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
106-87-8	1,3,5-Trimethylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
106-43-4	4-Chlorotoluene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
98-08-6	tert-Butylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-63-6	1,2,4-Trimethylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
135-98-8	sec-Butylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
99-87-6	p-Isopropyltoluene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
106-46-7	n-Butylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
104-51-8	n-Butylbenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-68-3	Hexachlorobutadiene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
91-20-3	Naphthalene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 2
 ASH Landfill 1995 Third Quarter Groundwater Monitoring
 Validated Volatile Organic Analyses Results (Method 524.2)

CAS No.	COMPOUND	MATRIX LOCATION	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
			ASH	RS	ASH	RS	ASH	RS	ASH	RS	ASH	RS	ASH	RS	ASH	RS
75-71-8	Dichlorodifluoromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-87-3	Chloromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-01-4	Vinyl Chloride	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-83-9	Bromomethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-00-3	Chloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-89-4	Trichlorofluoromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-64-1	Acetone	ugl	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
75-35-4	1,1-Dichloroethene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
156-80-5	trans-1,2-Dichloroethene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-09-2	Methylene Chloride	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1634-04-4	Methyl-t-Butyl Ether	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-34-3	1,1-Dichloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
156-59-2	cis-1,2-Dichloroethene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
78-93-3	2-Butanone	ugl	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
590-20-7	2,2-Dichloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-86-3	Chloroform	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-87-5	Bromochloromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
71-55-8	1,1,1-Trichloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
563-58-6	1,1-Dichloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
56-23-5	Carbon Tetrachloride	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
107-06-2	1,2-Dichloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
71-43-2	Benzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
76-01-6	Trichloroethene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
78-87-5	1,2-Dichloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-27-4	Bromodichloromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
74-85-3	Dibromomethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-10-1	4-Methyl-2-Pentanone	ugl	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
10061-01-5	cis-1,3-Dichloropropene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
106-88-3	Toluene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
10061-02-6	trans-1,3-Dichloropropene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
76-00-5	1,1,2-Trichloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
591-78-6	2-Hexanone	ugl	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
142-28-9	1,3-Dichloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
127-18-4	Tetrachloroethene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
124-48-1	Dibromochloromethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-93-4	1,2-Dibromoethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-90-7	Chlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
830-20-6	1,1,1,2-Tetrachloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
100-41-4	Ethylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1330-20-7	Xylene (Total)	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
100-42-5	Styrene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
75-25-2	Bromocform	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
98-82-8	Isopropylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-18-4	1,2,3-Trichloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-86-1	Bromobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
103-85-1	n-Propylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-49-8	2-Chlorotoluene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-87-8	1,3,5-Trimethylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-43-4	4-Chlorotoluene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
98-06-8	tert-Butylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-63-8	1,2,4-Trimethylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
135-98-8	sec-Butylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-87-6	p-Isopropyltoluene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
541-73-1	1,3-Dichlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
108-46-7	1,4-Dichlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
104-51-8	n-Butylbenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
95-50-1	1,2-Dichlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
120-82-1	1,2,4-Trichlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-68-3	Hexachlorobutadiene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
91-20-3	Naphthalene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
87-61-5	1,2,3-Trichlorobenzene	ugl	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

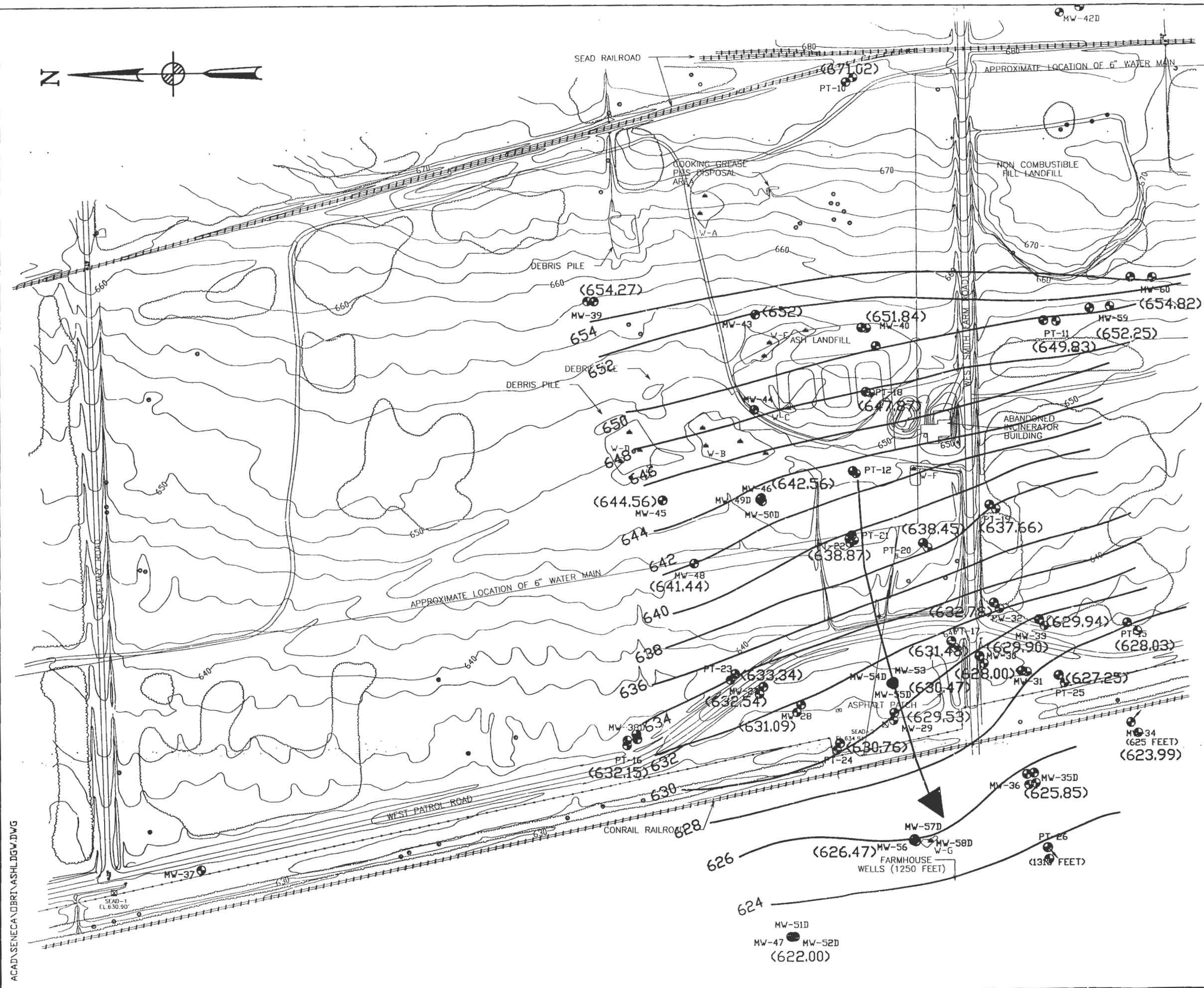
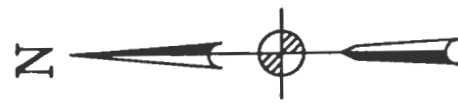
1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice to ensure transparency and accountability.

2. The second section outlines the various methods used for data collection and analysis. It details how primary and secondary data are gathered, processed, and interpreted to provide meaningful insights into the market trends and consumer behavior.

3. The third part of the report focuses on the financial performance of the organization over the past year. It includes a detailed breakdown of revenue, expenses, and profit margins, along with a comparison to the previous year's performance to highlight areas of growth and improvement.

4. The fourth section addresses the challenges faced by the company in the current market environment. It discusses the impact of economic fluctuations, increased competition, and changing consumer preferences, and offers strategic recommendations to overcome these obstacles.

5. The final part of the document provides a summary of the key findings and conclusions. It reiterates the importance of continuous monitoring and adaptation to market changes, and expresses confidence in the company's ability to achieve its long-term goals through strategic planning and effective execution.

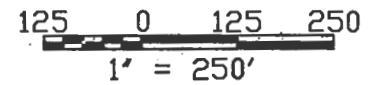


- LEGEND:**
- BURNING PAD DESIGNATION
 - PAD OR GRID BORING
 - GROUND CONTOUR AND ELEVATION
 - WETLAND & DESIGNATION
 - MONITORING WELL & DESIGNATION AND MSL ELEVATION DATUM
 - UTILITY POLE
 - TREE
 - BRUSH

640

GROUNDWATER ELEVATION CONTOUR MSL DATUM

GENERAL GROUNDWATER FLOW DIRECTION



PARSONS
PARSONS ENGINEERING SCIENCE, INC.

CLIENT/PROJECT TITLE
**SENECA ARMY DEPOT ACTIVITY
 ASH LANDFILL
 GROUNDWATER MONITORING PROGRAM**

DEPT. ENVIRONMENTAL ENGINEERING Dwg No. 725980-01007

**FIGURE 1
 GROUNDWATER ELEVATION CONTOUR PLAN
 SEPTEMBER 1995**

SCALE 1" = 250' DATE NOVEMBER 1995 REV A

ACAD\SENECA\DRIV\ASHLDG.W.DWG



APPENDIX A

FIELD DATA

**Ash Landfill Third Quarter 1995 Groundwater
Monitoring Program**

1. **Groundwater Sampling Forms**
2. **Chain-of-Custody Forms**
3. **pH Meter Calibration Forms**
4. **Groundwater Elevation Report**

10/10/2011

10/10/2011

10/10/2011

10/10/2011

10/10/2011

10/10/2011

10/10/2011



1. Groundwater Sampling Forms



SAMPLING RECORD - GROUNDWATER

ENGINEERING - SCIENCE, INC.	CLIENT: USACOE	DATE: 9-17-85
PROJECT: SEAD - 3rd Quarterly Monitoring '95	INSPECTOR: KCS/BJT	LABORATORY:
LOCATION: Ash Landfill	CHAIN OF CUSTODY #:	
WELL NUMBER: PT-11	MONITORING: <input checked="" type="checkbox"/>	DETECTOR:
SCREENED INTERVAL (TOC):	INSTRUMENT: ORM 580	DETECTOR: PID

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC):	8.39	STANDING WATER VOLUME IN WELL (gallons):	1.8
WELL DEPTH (TOC):	19.52	THREE WELL VOLUMES (gallons):	
FEET OF WATER IN WELL:	11.13	ONE: 1.8	TWO: 3.6 THREE: 5.4

PURGING WITH A PERISTALTIC PUMP OR BAILER
(measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING:	1453				TIME END PURGING:		
TIME:	1456	1459	1505	1530			
DEPTH TO WATER (ft)	14.0 <i>17.5 KCS</i>	15.1	15.2	16.0			
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	19.5	15.5	15.5	16.5			
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	1500/250	125	125	100 ml			
VOLUME OF WATER REMOVED (gals)	1L	0.1 L	0.1 L	.6	Slow well		
TEMPERATURE (deg. C)	17.5	16.5	18.0 ←	17.0	Am temp 80°F		
SPEC. COND (umhos)	875	875	875	850			
PH	7.08	7.10	7.15	7.32			

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	9-14-85				
TIME	0840				
DEPTH TO WATER (ft)	14.54				
"AFTER PURGE" WATER COLUMN (ft)	4.98				
"STATIC" WATER COLUMN (ft)	11.13				
% RECOVERY	45%				

Notes:

- (1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
- (2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

14.0

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: 9-13-95				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: KES/BH						
LOCATION: Ash Landfill					LABORATORY:		CHAIN OF CUSTODY #:				
WELL NUMBER: PT-19					MONITORING						
SCREENED INTERVAL (TOC):					INSTRUMENT		DETECTOR				
					OVM		PID				
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC):		7.60		STANDING WATER VOLUME IN WELL (gallons):		.67					
WELL DEPTH (TOC):		11.7		THREE WELL VOLUMES (gallons):							
FEET OF WATER IN WELL:		4.1		ONE: .67		TWO: 1.34		THREE: 2.68			
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING:		1347			TIME END PURGING:		1410				
TIME	1352	1400	1408								
DEPTH TO WATER (ft)	9.02	10.70 9.7	9.8								
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	11.7	10.7	10.5	slow well							
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	550	550/300 200	100 ml								
VOLUME OF WATER REMOVED (gals)	.67	.67	.10								
TEMPERATURE (deg. C)	15.5	16.0	17.0								
SPEC. COND (umhos)	700	700	700								
PH	7.09	7.00	7.01								
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE	9-13-95	9-13-95									
TIME	1635	1720									
DEPTH TO WATER (ft)	8.70	8.2									
"AFTER PURGE" WATER COLUMN (ft)	3.0	3.5									
"STATIC" WATER COLUMN (ft)	4.1	4.1									
% RECOVERY	73%	85%									
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

9.7

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: 9-13-95				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR:						
LOCATION: Ash Landfill					LABORATORY:						
WELL NUMBER: MW-30					CHAIN OF CUSTODY #:						
SCREENED INTERVAL (TOC):					MONITORING <input checked="" type="checkbox"/>						
					INSTRUMENT		DETECTOR				
		OUM		PED							
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC):		10.44		STANDING WATER VOLUME IN WELL (gallons):							
WELL DEPTH (TOC):		10.52		THREE WELL VOLUMES (gallons):							
FEET OF WATER IN WELL:		.12		ONE:		TWO:		THREE:			
PURGING WITH A PERISTALTIC PUMP OR BAILER											
(measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING:					TIME END PURGING:						
TIME:											
DEPTH TO WATER (ft)											
DEPTH TO BOTTOM											
OPENING OF											
TEFLON TUBE (TOC)											
FLOW RATE (ml/min.)											
or											
VOL. OF BAILER (gal.)											
VOLUME OF WATER											
REMOVED (gals)											
TEMPERATURE (deg. C)											
SPEC. COND (umhos)											
PH											
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE											
TIME											
DEPTH TO WATER (ft)											
"AFTER PURGE"											
WATER COLUMN (ft)											
"STATIC"											
WATER COLUMN (ft)											
% RECOVERY											
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

DRY WELL

SAMPLING RECORD - GROUNDWATER

ENGINEERING - SCIENCE, INC. CLIENT: USACOE DATE: 9-14-95

PROJECT: SEAD - 3rd Quarterly Monitoring '95 INSPECTOR: ICKS
 LABORATORY: Aquatec
 LOCATION: CHAIN OF CUSTODY #:

WELL NUMBER: MW-36 MONITORING
 INSTRUMENT: OVA DETECTOR: PID

SCREENED INTERVAL (TOC):

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	<u>2</u>	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	<u>0.167</u>	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

11.33

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): 6.08 STANDING WATER VOLUME IN WELL (gallons): 1.7
 WELL DEPTH (TOC): 16.58 THREE WELL VOLUMES (gallons):
 FEET OF WATER IN WELL: 10.5 ONE: 1.7 TWO: 3.4 THREE: 5.1

PURGING WITH A PERISTALTIC PUMP OR BAILER
 (measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING:	TIME END PURGING:		
TIME: <u>10:37</u>	<u>10:48</u>	<u>10:56</u>	<u>11:02</u>
DEPTH TO WATER (ft)	<u>6.64</u>	<u>7.20</u>	<u>7.42</u>
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	<u>16.58</u>	<u>120</u>	<u>120</u>
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	<u>660</u>	<u>1560 ml/min</u> <u>14M</u>	<u>1560</u>
VOLUME OF WATER REMOVED (gals)	<u>1.7</u>	<u>1.7</u>	<u>1.7</u>
TEMPERATURE (deg. C)	<u>15</u>	<u>15</u>	<u>15</u>
SPEC. COND (umhos)	<u>650</u>	<u>700</u>	<u>700</u>
PH	<u>7.08</u>	<u>7.21</u>	<u>7.28</u>

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	<u>9-14-95</u>			
TIME	<u>11:15</u>			
DEPTH TO WATER (ft)	<u>6.09</u>			
"AFTER PURGE" WATER COLUMN (ft)				
"STATIC" WATER COLUMN (ft)				
% RECOVERY	<u>100%</u>			

Notes:

- Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
- Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: 9-13-95				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: KKS/BH						
LOCATION: Ash Landfill					LABORATORY: Aquatec						
WELL NUMBER: MW-40					CHAIN OF CUSTODY #:						
SCREENED INTERVAL (TOC):					MONITORING						
					INSTRUMENT		DETECTOR				
					OVM		PID				
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC): 14.71					STANDING WATER VOLUME IN WELL (gallons): 1.2						
WELL DEPTH (TOC): 7.47					THREE WELL VOLUMES (gallons):						
FEET OF WATER IN WELL: 7.24					ONE: 1.2		TWO: 2.4		THREE: 3.6		
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING: 12 44					TIME END PURGING: 1300						
TIME:	1248	1254	1300								
DEPTH TO WATER (ft)	8.58	9.60	10.40								
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	14.7	10.8	10.8 10.40								
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	1500 $\frac{1}{4}$ min	1500 $\frac{1}{4}$ min	1500/ml								
VOLUME OF WATER REMOVED (gals)	1.2	1.2	1.2								
TEMPERATURE (deg. C)	16.0	16.0	15.0								
SPEC. COND (umhos)	500	500	500								
PH	7.07	7.21	7.28								
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE	9-13-95	9-13-95	9-13-95								
TIME	1416	1430	1608								
DEPTH TO WATER (ft)	8.78	8.45	8.05								
"AFTER PURGE" WATER COLUMN (ft)	5.93	6.26	6.66								
"STATIC" WATER COLUMN (ft)	7.24	7.24	92%								
% RECOVERY	82%	86%									
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

11.09

SAMPLING INFORMATION

SAMPLING DEVICE: *Teflon Bailer*

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
<i>VOC 5.24.2</i>	<i>1610</i>	<i>40 ml VOA</i>	<i>clear</i>	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:				
Volume Transferred to Drum:	<i>N/A</i>			
Drum Number:				

COMMENTS:

SAMPLING RECORD - GROUNDWATER

ENGINEERING - SCIENCE, INC. CLIENT: **USACOE** DATE:

PROJECT: **SEAD - 3rd Quarterly Monitoring '95** INSPECTOR: **kas/BA**
 LOCATION: **Ash Landfill** LABORATORY: **Aquotec**
 CHAIN OF CUSTODY #:

WELL NUMBER: **MW-45** MONITORING
 INSTRUMENT: **OMN 580** DETECTOR: **PID**

SCREENED INTERVAL (TOC):

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

7.34

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): **6.34** STANDING WATER VOLUME IN WELL (gallons): **.3**
 WELL DEPTH (TOC): **8.34** THREE WELL VOLUMES (gallons):
 FEET OF WATER IN WELL: **2.0** ONE: **.3** TWO: **.6** THREE: **.9**

PURGING WITH A PERISTALTIC PUMP OR BAILER
 (measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING:	1319			TIME END PURGING:			
TIME	1321	1326	1336				
DEPTH TO WATER (ft)	7.02	7.30	7.30				
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	8.3	7.5	7.5				
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	480ml	480/350	200ml				
VOLUME OF WATER REMOVED (gals)	.3	.3	.3				
TEMPERATURE (deg. C)	18	18	18				
SPEC. COND (umhos)	600	600	600				
PH	7.08	7.09	7.13				

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	9-13-95				
TIME	1423				
DEPTH TO WATER (ft)	6.50				
"AFTER PURGE" WATER COLUMN (ft)	1.84				
"STATIC" WATER COLUMN (ft)	2.0				
% RECOVERY	92%				

Notes:

- Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
- Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING INFORMATION

SAMPLING DEVICE:

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
VOC 528.2	1430	40-l VOA	clear	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name: *MDBS-KKS*

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:				
Volume Transferred to Drum:	<i>N/A</i>			
Drum Number:				

COMMENTS:

SAMPLING RECORD - GROUNDWATER

ENGINEERING - SCIENCE, INC. CLIENT: **USACOE** DATE: **9-14-95**

PROJECT: **SEAD - 3rd Quarterly Monitoring '95** INSPECTOR: **KCS/BH**
 LABORATORY:
 LOCATION: CHAIN OF CUSTODY #:

WELL NUMBER: **MW-47** MONITORING
 INSTRUMENT: **0.4M 560** DETECTOR: **PID**

SCREENED INTERVAL (TOC):

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): **6.06** STANDING WATER VOLUME IN WELL (gallons): **.4**
 WELL DEPTH (TOC): **8.56** THREE WELL VOLUMES (gallons):
 FEET OF WATER IN WELL: **2.5** ONE: **.4** TWO: **.8** THREE: **1.2**

PURGING WITH A PERISTALTIC PUMP OR BAILER
 (measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING: **0947** TIME END PURGING:

TIME	0950	0956	1003	1012	1022
DEPTH TO WATER (ft)	6.48	6.62	7.18	7.10	
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	6.06	6.06/7.5	7.5	7.5/7.9	
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	200/100	180/250 250/KCS	250/318	318	
VOLUME OF WATER REMOVED (gals)	.15	.25	.4	.4	
TEMPERATURE (deg. C)	18	18	18	18	
SPEC. COND (umhos)	600	550	550	6 550	
PH	7.23	7.14	7.09	7.08	

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE	9-14-95			
TIME	1025			
DEPTH TO WATER (ft)	6.06			
"AFTER PURGE" WATER COLUMN (ft)				
"STATIC" WATER COLUMN (ft)				
% RECOVERY	100%			

Notes:

- Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
- Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

7.3

SAMPLING INFORMATION

SAMPLING DEVICE:

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
VOC 524.2	1030	40ml	clear	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:			
Volume Transferred to Drum:	N/A		
Drum Number:			

COMMENTS:

Thick light-brown silt on bottom - cleared in .2 gallons

SAMPLING RECORD - GROUNDWATER																														
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE		DATE: 9-13-95																									
PROJECT: SEAD - 3rd Quarterly Monitoring '95				INSPECTOR: KRS/B																										
LOCATION: Ash Landfill				LABORATORY:																										
WELL NUMBER: MW-48				CHAIN OF CUSTODY #:																										
SCREENED INTERVAL (TOC):				MONITORING <input checked="" type="checkbox"/>																										
WELL DIAMETER FACTORS				INSTRUMENT DVM																										
				DETECTOR PID																										
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">DIAMETER (INCHES):</td> <td style="width:5%;">1</td> <td style="width:5%;">1.5</td> <td style="width:5%; border: 2px solid black;">2</td> <td style="width:5%;">3</td> <td style="width:5%;">4</td> <td style="width:5%;">5</td> <td style="width:5%;">6</td> <td style="width:5%;">7</td> <td style="width:5%;">8</td> <td style="width:5%;">9</td> <td style="width:5%;">10</td> </tr> <tr> <td>GALLONS/FOOT:</td> <td>0.041</td> <td>0.092</td> <td style="border: 2px solid black;">0.167</td> <td>0.367</td> <td>0.654</td> <td>1.02</td> <td>1.47</td> <td>2.00</td> <td>2.61</td> <td>3.30</td> <td>5.87</td> </tr> </table>							DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10	GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10																			
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87																			
PURGE INFORMATION:																														
STATIC DEPTH TO WATER (TOC): 6.88			STANDING WATER VOLUME IN WELL (gallons): .75																											
WELL DEPTH (TOC): 11.50			THREE WELL VOLUMES (gallons):																											
FEET OF WATER IN WELL: 4.62			ONE: .75		TWO: 1.50																									
			THREE: 2.25																											
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)																														
TIME BEGIN PURGING: 1023			TIME END PURGING:																											
TIME:	1027	1030	1035	1040																										
DEPTH TO WATER (ft)	7.22	7.26	7.26	7.26																										
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	11.50	8.5	8.5	8.5																										
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	1L	1L	1L	1L																										
VOLUME OF WATER REMOVED (gals)	.75	.75	.75	.75																										
TEMPERATURE (deg. C)	17.5	18.0	18.0	18.0																										
SPEC. COND (umhos)	600	600	600 550 _{mcS}	600																										
PH	6.31	6.60	6.77	6.80																										
DEPTH TO WATER MEASUREMENTS AFTER PURGING																														
DATE	9-13-95																													
TIME	1050																													
DEPTH TO WATER (ft)	6.88																													
"AFTER PURGE" WATER COLUMN (ft)																														
"STATIC" WATER COLUMN (ft)																														
% RECOVERY	100% / 0																													
Notes:																														
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.																														
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.																														

§.2

SAMPLING INFORMATION

SAMPLING DEVICE: *Teflon Beiler*

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
<i>VOC 524.2</i>	<i>1055</i>	<i>40-ml VOA</i>	<i>clear</i>	<i>N/A</i>

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name: *MW-448*

MRD Sample Name: *MW-48MRD / MW-48MRD-R*

Rinsate 1045

TB 1000

QA/QC RINSATE SAMPLE NAME: *MW-48-R*

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:	<i>N/A</i>		
Volume Transferred to Drum:	<i>N/A</i>		
Drum Number:			

COMMENTS:

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: 9-14-95				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: KKS/BH						
LOCATION:					LABORATORY: Aquatec						
WELL NUMBER: MW-56					CHAIN OF CUSTODY #:						
SCREENED INTERVAL (TOC):					MONITORING <input checked="" type="checkbox"/>						
					INSTRUMENT		DETECTOR				
					Ouh 580		PZD				
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC): 4.04					STANDING WATER VOLUME IN WELL (gallons): .46						
WELL DEPTH (TOC): 6.88					THREE WELL VOLUMES (gallons):						
FEET OF WATER IN WELL: 2.84					ONE: .46	TWO: .93		THREE: 1.4			
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING: 1132					TIME END PURGING: 1145						
TIME:	1135	1141	1145								
DEPTH TO WATER (ft)	4.70	4.88	4.88								
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	6.88	4.00	4.00								
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	480	870	870								
VOLUME OF WATER REMOVED (gals)	.5	.5	.5								
TEMPERATURE (deg. C)	17	17	17								
SPEC. COND (umhos)	700	700	700								
PH	7.25	7.16	7.15								
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE	9-14-95										
TIME	1200										
DEPTH TO WATER (ft) "AFTER PURGE"	4.04										
WATER COLUMN (ft) "STATIC"											
WATER COLUMN (ft)											
% RECOVERY	100%										
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

SAMPLING INFORMATION

SAMPLING DEVICE: *Teflon Baler*

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
<i>Voc 524.2</i>	<i>1200</i>	<i>40 ml</i>	<i>. clear</i>	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or **NO**
 Duplicate Sample Name:
 MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or **NO**

INVESTIGATION DERIVED WASTE (IDW):

Date:			
Volume Transferred to Drum:	<i>N/A</i>		
Drum Number:			

COMMENTS:

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: Sept. 19, 1995				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: RKS, AMW						
LOCATION: Ash Landfill					LABORATORY: Aquatec						
WELL NUMBER: MW-59					CHAIN OF CUSTODY #:						
SCREENED INTERVAL (TOC):					MONITORING						
					INSTRUMENT		DETECTOR				
					NA		NA				
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC): 4.87					STANDING WATER VOLUME IN WELL (gallons): 0.835 gal						
WELL DEPTH (TOC): 9.99					THREE WELL VOLUMES (gallons): 2.5						
FEET OF WATER IN WELL: 5.12					ONE: 0.835 TWO: 1.67 THREE: 2.5						
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING: 10:55					TIME END PURGING: 1113						
TIME:	1103	1108	1112								
DEPTH TO WATER (ft)	6.20	6.82	7.24								
DEPTH TO BOTTOM OPENING OF TEFロン TUBE (TOC)	9.99	6.99	6.99								
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	870 480	870	870								
VOLUME OF WATER REMOVED (gals)	0.84	1.67	2.5								
TEMPERATURE (deg. C)	16	16	16								
SPEC. COND (umhos)	1200	1200	1200								
PH - Model SA 230 S.N. 1752	6.42	6.62	6.68								
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE	9-19-95										
TIME	1300										
DEPTH TO WATER (ft)	4.90										
"AFTER PURGE" WATER COLUMN (ft)	5.09										
"STATIC" WATER COLUMN (ft)	5.12										
% RECOVERY	99.90										
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

1/2 H₂O column
7.43'
TOC

T. ...

Ash

MW-59

pg 2 of 2

SAMPLING INFORMATION

SAMPLING DEVICE: bailers

3x

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
VOA 524.2	1300	HCl 40 ml Amber	clear	NA
<i>Amur</i>	<i>Amur</i>	<i>Amur</i>	<i>Amur</i>	<i>Amur</i>

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

NA: Well sampled clean already.

Date:				
Volume Transferred to Drum:				
Drum Number:				

COMMENTS:

Black silt ~~is~~ pumped up from well bottom. Smell of sulfur. Bugo

Pad & protective riser is loose.

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: Sept. 19, 1995				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: KKS, AMW						
LOCATION: Ash Landfill					LABORATORY: Aquotec						
WELL NUMBER: MW-60					CHAIN OF CUSTODY #:						
SCREENED INTERVAL (TOC):					MONITORING						
					INSTRUMENT		DETECTOR				
					NA		NA				
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC): 5.42					STANDING WATER VOLUME IN WELL (gallons): 0.76						
WELL DEPTH (TOC): 10.29					THREE WELL VOLUMES (gallons): 2.38						
FEET OF WATER IN WELL: 4.67					ONE: 0.76		TWO: 1.5		THREE: 2.3		
PURGING WITH A PERISTALTIC PUMP OR BAILER											
(measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING: 1124					TIME END PURGING: 1140						
TIME	1127	1133	1140								
DEPTH TO WATER (ft)	6.85	7.80	7.95								
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)	10.29	8.29	8.29								
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)	660	660	200/100								
VOLUME OF WATER REMOVED (gals)	0.76	1.5 0.76	2.3 0.3								
TEMPERATURE (deg. C)	16	16	16								
SPEC. COND (umhos)	900	900	900								
PH - Model SA 230 SN 1752	6.85	6.91	6.90								
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE	9-19-95										
TIME	1305										
DEPTH TO WATER (ft)	5.75										
"AFTER PURGE" WATER COLUMN (ft)	4.54										
"STATIC" WATER COLUMN (ft)	4.67										
% RECOVERY	98%										
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

1/2 H₂O column = 1.95' (TOC)

Ash

pg 2 of 2

MW-60

SAMPLING INFORMATION

SAMPLING DEVICE: bailers

3x

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
Voc 524.2	1310	40m Amber ^{HCl}	clear	NA
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				
(Diagonal line with 'Amw' written across)				

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:
MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

NA: well already sampled clean.

Date:

--	--	--	--

Volume Transferred to Drum:

--	--	--	--

Drum Number:

--	--	--	--

COMMENTS:

Slow well.

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.			CLIENT: USACOE				DATE: 1-14-95				
PROJECT: SEAD - 3rd Quarterly Monitoring '95					INSPECTOR: KKS/BW						
LABORATORY:					CHAIN OF CUSTODY #:						
LOCATION:					MONITORING						
WELL NUMBER: FH-S					INSTRUMENT		DETECTOR				
SCREENED INTERVAL (TOC):											
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC):					STANDING WATER VOLUME IN WELL (gallons):						
WELL DEPTH (TOC):					THREE WELL VOLUMES (gallons):						
FEET OF WATER IN WELL:					ONE:	TWO:		THREE:			
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING:					TIME END PURGING:						
TIME:	1135	1140	1145								
DEPTH TO WATER (ft)											
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)		Ran water until temp stabilized									
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)		Tried to minimize running water									
VOLUME OF WATER REMOVED (gals)	10 gal/min	because of drought.									
TEMPERATURE (deg. C)	18.0	17.5	17.5								
SPEC. COND (umhos)											
PH											
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE											
TIME											
DEPTH TO WATER (ft)											
"AFTER PURGE" WATER COLUMN (ft)											
"STATIC" WATER COLUMN (ft)											
% RECOVERY											
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.											
(2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

SAMPLING RECORD - GROUNDWATER

ENGINEERING - SCIENCE, INC. CLIENT: **USACOE** DATE: **9-14-95**

PROJECT: **SEAD - 3rd Quarterly Monitoring '95** INSPECTOR: **KKS/BH**
 LOCATION: LABORATORY:
 CHAIN OF CUSTODY #:

WELL NUMBER: **FH-D** MONITORING
 INSTRUMENT DETECTOR

SCREENED INTERVAL (TOC):

WELL DIAMETER FACTORS

DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87

PURGE INFORMATION:

STATIC DEPTH TO WATER (TOC): STANDING WATER VOLUME IN WELL (gallons):
 WELL DEPTH (TOC): THREE WELL VOLUMES (gallons):
 FEET OF WATER IN WELL: ONE: TWO: THREE:

PURGING WITH A PERISTALTIC PUMP OR BAILER
 (measure indicator parameters at one, two and three well volumes)

TIME BEGIN PURGING:	TIME END PURGING:				
TIME:					
	1135	1150			
DEPTH TO WATER (ft)					
DEPTH TO BOTTOM					
OPENING OF					
TEFLON TUBE (TOC)					
FLOW RATE (ml/min.)					
or					
VOL. OF BAILER (gal.)					
VOLUME OF WATER					
REMOVED (gals)	10 gal/min				
TEMPERATURE (deg. C)	18.5	15.5			
SPEC. COND (umhos)					
PH					

DEPTH TO WATER MEASUREMENTS AFTER PURGING

DATE					
TIME					
DEPTH TO WATER (ft)					
"AFTER PURGE"					
WATER COLUMN (ft)					
"STATIC"					
WATER COLUMN (ft)					
% RECOVERY					

Notes:

- Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point.
- Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.

SAMPLING INFORMATION

SAMPLING DEVICE:

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
V08 524.6	1155	40 ml	clear -	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:				
Volume Transferred to Drum:				
Drum Number:				

COMMENTS:

Water bubbly - Sulfur smell

SAMPLING RECORD - GROUNDWATER											
ENGINEERING - SCIENCE, INC.				CLIENT: USACOE				DATE: 9-14-95			
PROJECT: SEAD - 3rd Quarterly Monitoring '95						INSPECTOR:					
LOCATION:						LABORATORY:					
WELL NUMBER: BRN-S						CHAIN OF CUSTODY #:					
SCREENED INTERVAL (TOC):						MONITORING					
						INSTRUMENT		DETECTOR			
WELL DIAMETER FACTORS											
DIAMETER (INCHES):	1	1.5	2	3	4	5	6	7	8	9	10
GALLONS/FOOT:	0.041	0.092	0.167	0.367	0.654	1.02	1.47	2.00	2.61	3.30	5.87
PURGE INFORMATION:											
STATIC DEPTH TO WATER (TOC):						STANDING WATER VOLUME IN WELL (gallons):					
WELL DEPTH (TOC):						THREE WELL VOLUMES (gallons):					
FEET OF WATER IN WELL:						ONE:		TWO:		THREE:	
PURGING WITH A PERISTALTIC PUMP OR BAILER (measure indicator parameters at one, two and three well volumes)											
TIME BEGIN PURGING:						TIME END PURGING:					
TIME											
DEPTH TO WATER (ft)			N/A								
DEPTH TO BOTTOM OPENING OF TEFLON TUBE (TOC)											
FLOW RATE (ml/min.) or VOL. OF BAILER (gal.)											
VOLUME OF WATER REMOVED (gals)											
TEMPERATURE (deg. C)											
SPEC. COND (umhos)											
PH											
DEPTH TO WATER MEASUREMENTS AFTER PURGING											
DATE											
TIME											
DEPTH TO WATER (ft) "AFTER PURGE"			N/A								
WATER COLUMN (ft)											
"STATIC"											
WATER COLUMN (ft)											
% RECOVERY											
Notes:											
(1) Determine water column in the well (for both "after purge" and "static" conditions) by subtracting the measured water level from the well point. (2) Divide the "after purge" water column by the "static" water column and multiply by 100 to determine the percent of recovery for the well.											

SAMPLING INFORMATION

SAMPLING DEVICE:

SAMPLE PARAMETER	TIME	CONTAINER	COLOR	TURBIDITY SAMPLE TAKEN AFTER (CHECK ONE)
VOC 527.2	1050	40 ml	clear	

QA/QC:

QA/QC DUPLICATE SAMPLE COLLECTED: YES or NO

Duplicate Sample Name:

MRD Sample Name:

QA/QC RINSATE SAMPLE NAME:

MATRIX SPIKE SAMPLE COLLECTED: YES or NO

INVESTIGATION DERIVED WASTE (IDW):

Date:				
Volume Transferred to Drum:		N/A		
Drum Number:				

COMMENTS:

2. Chain-of-Custody Forms



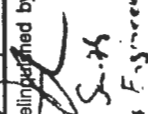
CHAIN-OF-CUSTODY RECORD

SONS
ING-SCIENCE, INC.
 Phone: 617-859-2000
 Fax: 617-859-2043

JOB NO. 725980-01007
 PROJECT SEAD - 3rd Quarterly Monitoring '95
 CONTACT Mike Delesnesy

LABORATORY Aquatic
 ADDRESS Colchester, VT
 CONTACT Lori Arnold

NO.	LABORATORY SAMPLE NO.	SAMPLING		SAMPLE DEPTH	SAMPLE MATRIX	ANALYSES							NO. OF CONTAINERS	COMMENT (Special instructions, c)
		DATE	TIME			VOA SVCP	METALS	FEED/POB	CZ	MEFB	TFH			
R		9-12-95	1040	N/A	water		1				1	3	Mercury	AS Rinse
		9-12-95	1100				1				1	3		
		9-12-95	1100				1				1	3		
7		9-14-95	0840											
		9-14-95	0830											
		9-13-95	1725			3						3		
0		9-13-95	1610			3						3		Matrix Spik
5		9-13-95	1430			6						6		
18		9-13-95	1055			3						3		
148		9-13-95	1055			3						3		
8-R		9-13-95	1045			3	99					3		Rinsete
3		9-13-95	1000			3						3		Tri-p Blank

Relinquished by

 Scott S. Engineering Science
 9-95 Time 1100

Received by
 Sign _____
 Print _____
 Firm _____
 Date _____ Time _____

Received by
 Sign _____
 Print _____
 Firm _____
 Date _____ Time _____

Preservation Key: C - Acidified with HCl
 A - Ice D - Acidified with HNO₃
 B - Filtered E - Acidified with H₂SO₄
 F - NaOH + Ascorbic
 G - Other

COOLERS TAMPERS? No Yes
 in in remarks.

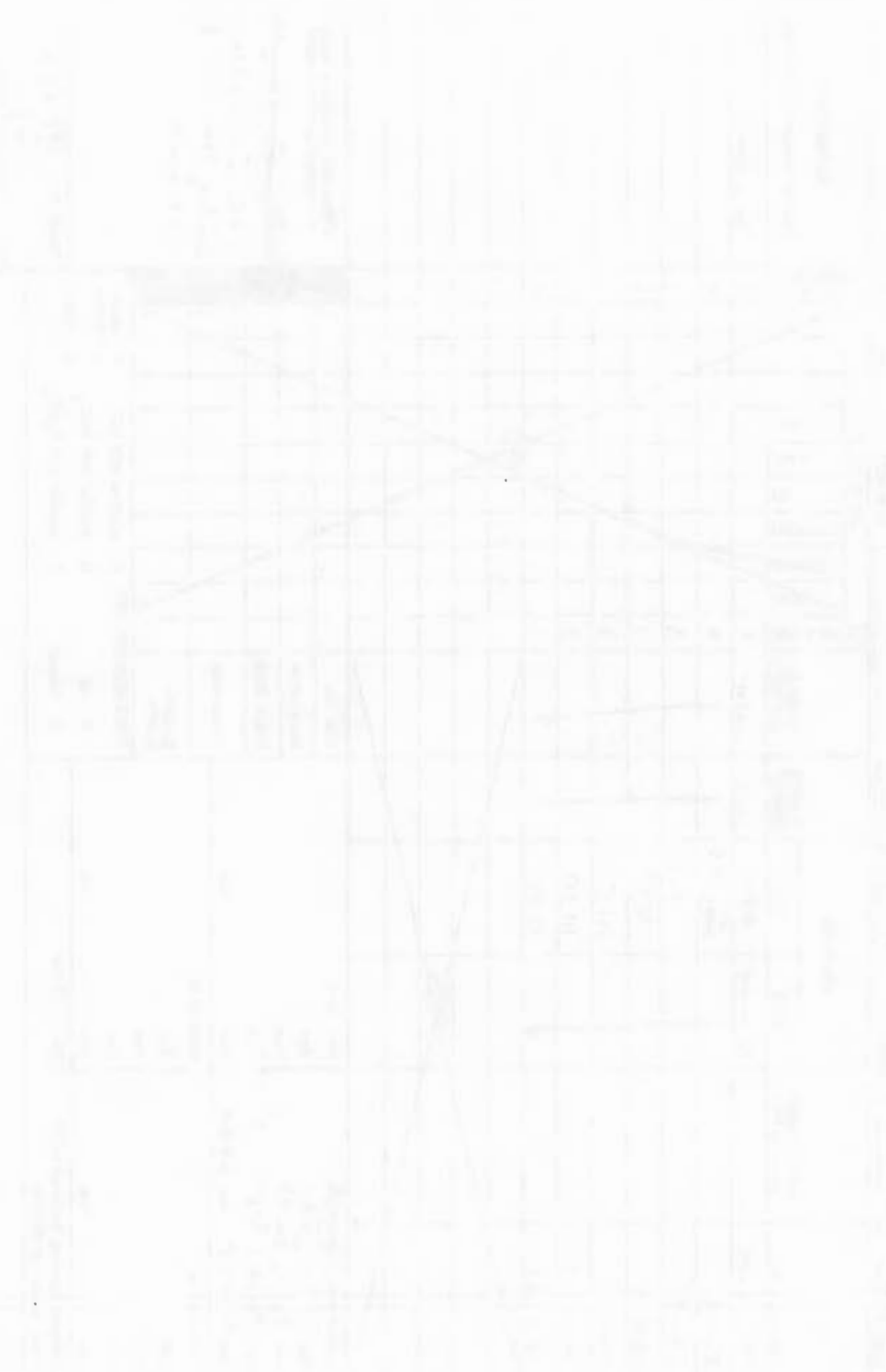
REMARKS: (Sample nonstandard sample)
 Note: Metals listed. Do not require HNO₃ preservative added.
 Mercury sample HNO₃ to be added.
 Cooler #: **894**

PROSELYTIC JOURNAL

DATE: _____ TIME: _____

NAME	ADDRESS	PHONE	RELIGION	EDUCATION	EMPLOYMENT	INTERESTS	REMARKS
John Doe	123 Main St	555-1234	Protestant	High School	Teacher	Reading, Music	Interested in Bible study
Jane Smith	456 Elm St	555-5678	Catholic	College	Nurse	Gardening, Travel	Attends church regularly
Bob Johnson	789 Oak St	555-9012	Jewish	University	Engineer	Chess, Sports	Needs more spiritual guidance
Alice Brown	101 Pine St	555-3456	Muslim	High School	Homemaker	Prayer, Family	Seeking deeper faith connection
Charlie White	202 Cedar St	555-7890	Buddhist	College	Software Dev	Meditation, Art	Open to new spiritual ideas
Diana Green	303 Birch St	555-2345	Hindu	University	Writer	Reading, Yoga	Interested in comparative religion
Frank Black	404 Spruce St	555-6789	Orthodox	High School	Retired	History, Music	Needs pastoral support
Grace King	505 Willow St	555-0123	Evangelical	College	Marketing	Reading, Travel	Active in church community
Henry Lee	606 Ash St	555-4567	Anglican	University	Lawyer	Reading, Golf	Needs spiritual refreshment
Ivy Clark	707 Hickory St	555-8901	Methodist	High School	Student	Reading, Music	Seeking spiritual direction
Jack Hall	808 Poplar St	555-2345	Presbyterian	College	Engineer	Reading, Sports	Interested in Bible study
Karen Young	909 Sycamore St	555-6789	Quaker	University	Teacher	Reading, Music	Needs spiritual support
Leo Adams	1010 Magnolia St	555-0123	Episcopal	High School	Retired	Reading, Travel	Seeking spiritual growth
Mia Baker	1111 Dogwood St	555-4567	Wesleyan	College	Homemaker	Reading, Music	Active in church community
Noah Carter	1212 Redwood St	555-8901	Reformed	University	Engineer	Reading, Sports	Needs spiritual refreshment
Olivia Evans	1313 Cypress St	555-2345	Evangelical	High School	Student	Reading, Music	Seeking spiritual direction
Peter Foster	1414 Juniper St	555-6789	Anglican	College	Lawyer	Reading, Golf	Needs spiritual support
Quinn Gibson	1515 Fir St	555-0123	Methodist	High School	Homemaker	Reading, Music	Seeking spiritual growth
Rachel Hart	1616 Hemlock St	555-4567	Wesleyan	College	Teacher	Reading, Music	Active in church community
Samuel King	1717 Spruce St	555-8901	Reformed	University	Engineer	Reading, Sports	Needs spiritual refreshment
Tina Lewis	1818 Cedar St	555-2345	Evangelical	High School	Student	Reading, Music	Seeking spiritual direction
Victor Miller	1919 Birch St	555-6789	Anglican	College	Lawyer	Reading, Golf	Needs spiritual support
Wendy Moore	2020 Willow St	555-0123	Methodist	High School	Homemaker	Reading, Music	Seeking spiritual growth
Xavier Nelson	2121 Ash St	555-4567	Wesleyan	College	Teacher	Reading, Music	Active in church community
Yara Ortiz	2222 Spruce St	555-8901	Reformed	University	Engineer	Reading, Sports	Needs spiritual refreshment
Zoe Parker	2323 Cedar St	555-2345	Evangelical	High School	Student	Reading, Music	Seeking spiritual direction

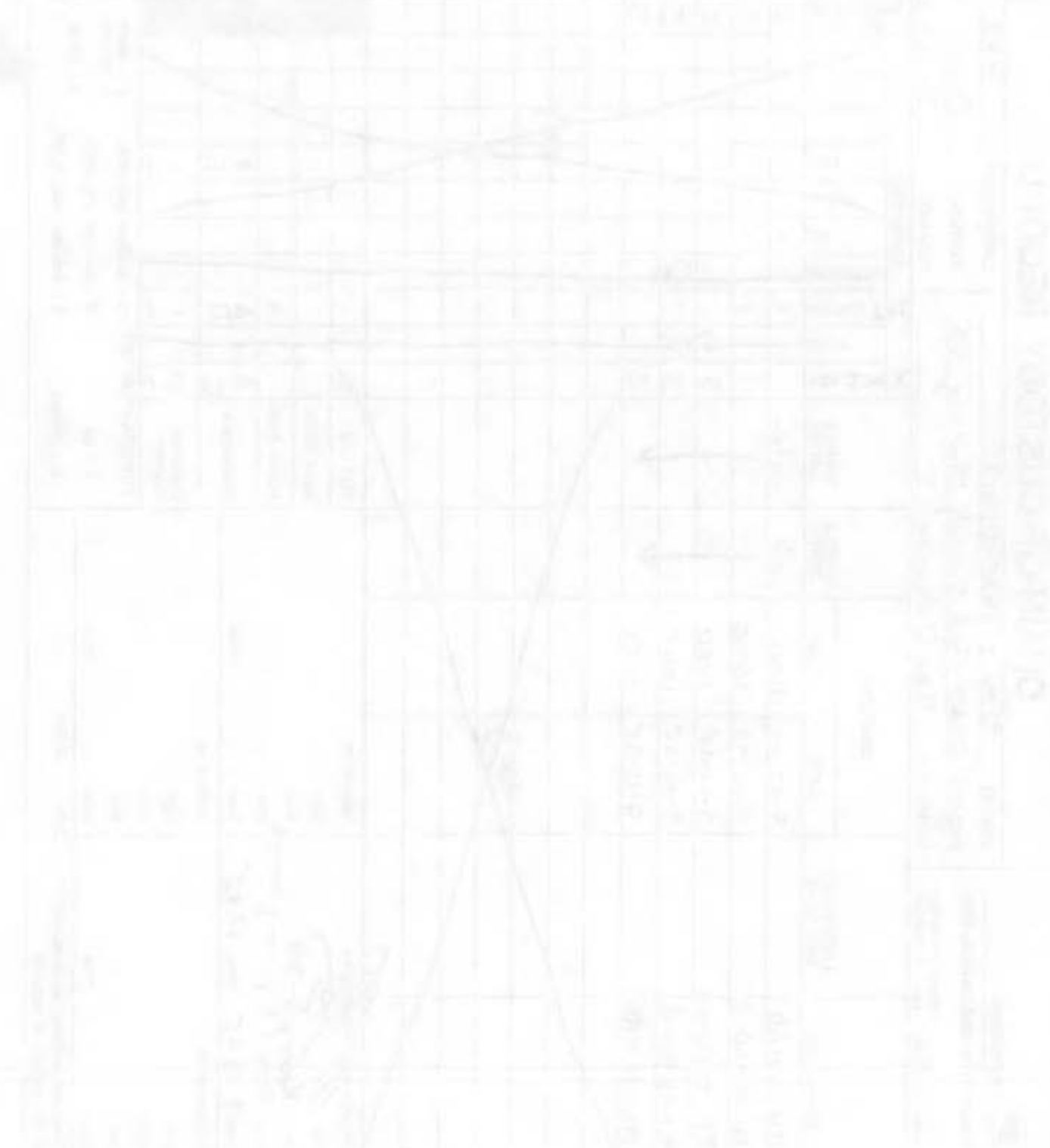
Handwritten notes and signatures in the left margin.



CHANDRASEKHAR, K. S. (1951)

Page No. 17

1. $\frac{1}{2} \times 100 = 50$
 2. $\frac{1}{4} \times 100 = 25$
 3. $\frac{1}{8} \times 100 = 12.5$
 4. $\frac{1}{16} \times 100 = 6.25$
 5. $\frac{1}{32} \times 100 = 3.125$
 6. $\frac{1}{64} \times 100 = 1.5625$
 7. $\frac{1}{128} \times 100 = 0.78125$
 8. $\frac{1}{256} \times 100 = 0.390625$
 9. $\frac{1}{512} \times 100 = 0.1953125$
 10. $\frac{1}{1024} \times 100 = 0.09765625$



PHYSICS
 CHAPTER 2
 MOTION
 EQUATION OF MOTION
 PART 1

825980-01007

CHAIN-OF-CUSTODY RECORD

PAGE 1 OF 1

SONS
ENGINEERING, INC.
Phone: 617-859-2000
Fax: 617-859-2043

JOB NO. 725980-01007
PROJECT 3rd Quarterly Monitoring 1995
CONTACT Mike Duchesneau

LABORATORY Aquatic Laboratories
ADDRESS 55 South Park D
CONTACT Lori Arnold

LABORATORY SAMPLE NO.	SAMPLING		SAMPLE DEPTH	SAMPLE MATRIX	VOA	SPC	METALS	NO. OF CONTAINERS	ANALYSES	COMMENT
	DATE	TIME								
DB	9-19-95	1230	NA	water	3		3	6		
ASH	9-19-95	1300	NA	water	3		3	3		
ASH	9-19-95	1310	NA	water	3		3	3		

~~Arnold~~

Relinquished by
Mike Willetto
Mike Willis
Cons Engineering Sci.
1-95

Received by
Sign
Print
Firm
Date

VOA Vial

Glass Bottle

Plastic Bottle

Preservative

Container Volume

PREPARATION KEY: C - Acidified with HCl
D - Acidified with HNO₃
E - Acidified with H₂SO₄

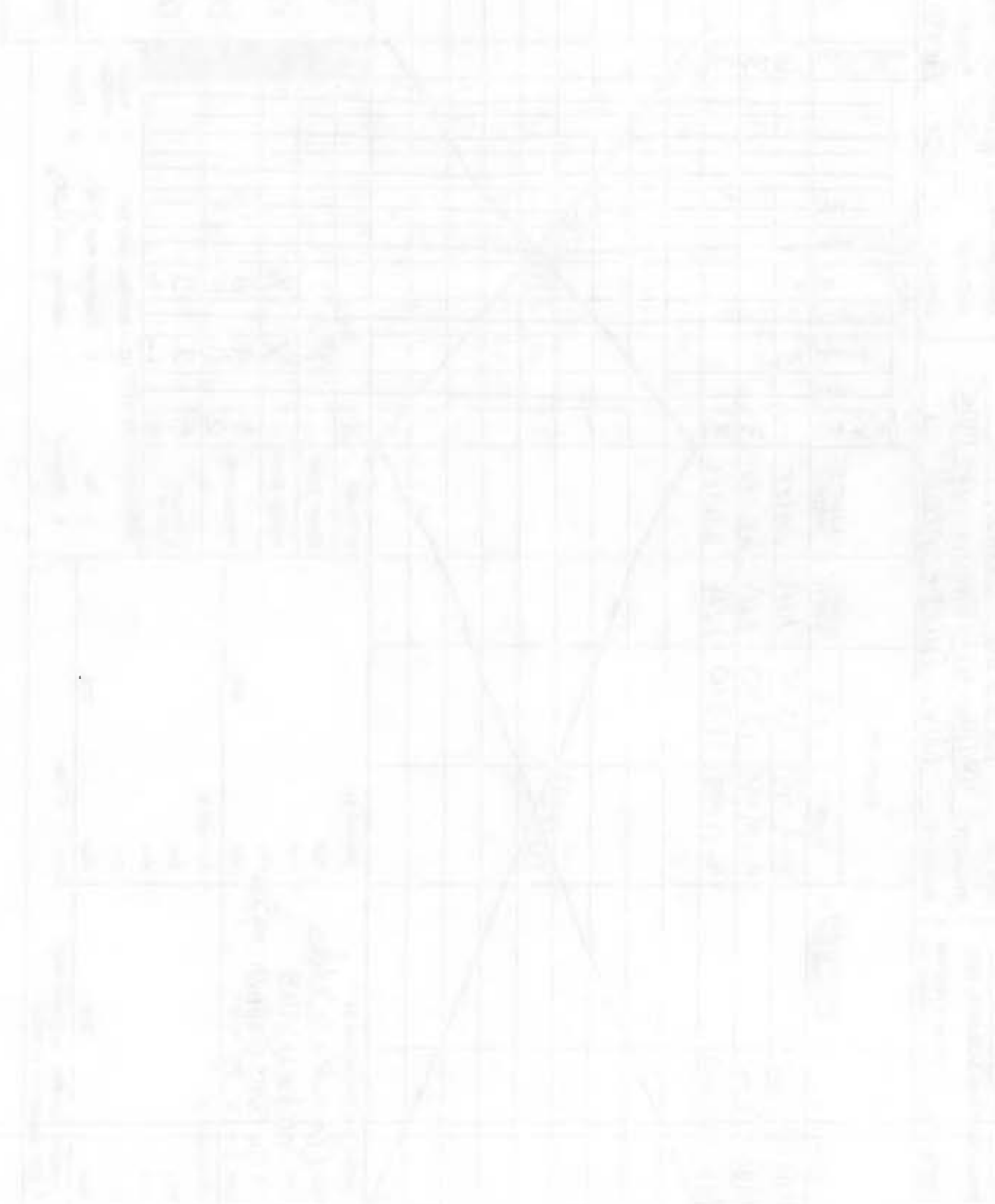
A - Ice
B - Filtered

F - NaOH + Ascorbic
G - Other

REMARKS: (Sample nonstandard sample)
Please re bubble and doc

Cooler #: 36

10/20



10/20

10/20

10/20

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10/20

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OHAMMOCHNELODA MEDICAL

3. pH Meter Calibration Forms



pH Meter Calibration Form

3rd Quarterly Monitoring
 Project: RIFFS Field Investigation Date: Sept. 19, 1995
 Meter: Orion model SA 230
S.N. 1752

	Time (24 hour system)	Meter Reading	Buffer Solution		Buffer Temp. °C	z Slope:	Operator
			7	10			
Initial Calibration	0930	Unadjusted	7.12	10.08	15		AMW
		Adjusted	7.00	10.00	15		AMW
Intermediate Calibration		Unadjusted					
		Adjusted					
		Unadjusted					
		Adjusted					
		Unadjusted					
		Adjusted					
		Unadjusted					
		Adjusted					
Final Calibration		Unadjusted					
		Adjusted					

Intermediate checks may be made with one buffer (unadjusted reading), if readings are within one unit of the standard no calibration adjustment is made, if greater than 0.1 a complete calibration is necessary (adjusted readings), if greater than 0.2 increase frequency of intermediate checks.

Signature: _____
 Field Team Leader

Figure 6.1-2
 pH METER CALIBRATION FORM

SOURCE: ESE.

U.S. ARMY CORPS
 OF ENGINEERS
 HUNTSVILLE, ALABAMA

CLIENT _____ JOB NO. _____ SHEET _____ OF _____
 SUBJECT Calibration BY _____ DATE 9-12
 CKD. _____ REVISION _____

9/12/95 0800 pH Meter # 1752 adjusted to 7.00 with buffer
 9.83 with 10.00 buffer
 Turbidimeter # 9309000003760

Standard	Reading
48.8	49.3
5.0	5.4.43

9/13/95 0830 pH Meter # 1752 adjusted to 7.00 w/ ^{7.0} buffer
 10.14 w/ 10.0 buffer
 0835 OUM-580B # 35383 calibrated w/ 100 span Isobut.
 reading 97 ppm

9/14/95 0724 Turbidimeter # 9309000003760 Std. 48.8 / 49.1
 5.0 / 4.49

0735 pH Meter # 1752 7.0 Buffer 7.02 Reading
 10.0 Buffer 10.14 Reading

0740 OUM-580B # 35383 calibrated w/ 100 span Isobutylene
 Reading 96 ppm

1942

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4. Groundwater Elevation Report



GROUNDWATER ELEVATION REPORT

SURVEYING - SCIENCE, INC. CLIENT: ACOE
 PROJECT NO: 725980-01007
 INSPECTOR: KRS / BH
 DATE: 9-12-95
 COMMENTS:

EQUIPMENT:		WATER LEVEL INDICATOR:		WELL STATUS / COMMENTS	
TECTOR	BGD	INSTRUMENT	CORRECTION FACTOR	(Leak? Well #? Surface Disturbance? Riser marked? Condition of riser, concrete, protective casing)	

TIME	DEPTH TO WATER	TIME	REMARKS	WATER LEVEL INDICATOR:		PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS
				MEASURED POW	INSTALLED POW		
50	10.50			46.36			OK Well casing loose
43	8.35			19.55			No pad - protect these casing + riser is stuck 100s crushed by heavy equipment.
12	N/A			13.38			Int. attempted to restring riser - riser is crushed
28	9.73			19.50			Good
04	5.36			11.04			Good
55	8.66			11.65			OK
40	8.81			11.70			Good
36	7.57			11.70			Separated or Riser broken at coupling 5' below G.S.
36	8.83			11.80			Good
	N/A			19.46			Previously filled with dirt - IT cleared top of riser - dirt still deep in well - re-develop
28	9.74			11.81			OK
00	7.94			12.06			Good
00	5.64			11.88			OK
35	9.84			12.03			OK
	N/A			14.00			Airport well - not measured

ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER

Time	Activity	Notes
10:00	Arrive at school	Check attendance
10:15	Math class	Review homework
10:45	Science class	Experiment on plants
11:15	Break	Get water and snacks
11:30	Reading class	Read 'The Great Gatsby'
12:00	Lunch	Enjoy school lunch
12:30	Art class	Draw a picture of a city
1:00	Physical Education	Play basketball
1:30	Music class	Learn a new song
2:00	History class	Study the American Revolution
2:30	Language class	Practice Spanish verbs
3:00	Free time	Read or talk to friends
3:30	Homework	Complete assignments
4:00	Dismissal	Get ready for home

MY DAILY SCHEDULE

Name: _____ Date: _____

GROUNDWATER ELEVATION REPORT

ENGINEERING - SCIENCE, INC. CLIENT:

DATE: 5-12-95

PROJECT NO:

INSPECTOR: KKS / B H

COMMENTS:

Ash Land Fill

EQUIPMENT:		WATER LEVEL INDICATOR:	
RECTOR	BGD	INSTRUMENT	CORRECTION FACTOR

TIME	DEPTH TO WATER	PRODUCT	CORRECTED WATER LEVEL	REMARKS	WATER LEVEL INDICATOR:		PRODUCT SPEC. GRAY.	WELL STATUS / COMMENTS
					MEASURED POW	INSTALLED POW		
512	6.74				10.54			Good
	6.12				10.39			Good
1605	7.78				10.54			OK
1545	10.42				10.52			OK
1548	8.70				10.34			OK
515	8.90				10.37			Good - No tubing
525	9.62				10.39			OK - No pad - casing slightly loose
1525	8.90				19.15			OK
1815	5.43				56.64			Pad heaved + cracked Roll # 3 Exp 6
1810	5.94				16.58			OK
1640	5.96				13.62			Pad heaved Exp # 1 Roll # 2
1509	8.91				32.24			Pad heaved .20 - Broken up ground on Roll # 1 - Exp # 16
1700	5.27				11.89			Pad heaved Exp # 2 Roll # 2
1600	7.46				14.71			Pad heaved .40
1425	8.76				47.02			OK

ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER

Year	Month	Day	Time	Location	Remarks
1951	July	11	11:30	Forest	...
1951	July	12	11:30	Forest	...
1951	July	13	11:30	Forest	...
1951	July	14	11:30	Forest	...
1951	July	15	11:30	Forest	...
1951	July	16	11:30	Forest	...
1951	July	17	11:30	Forest	...
1951	July	18	11:30	Forest	...
1951	July	19	11:30	Forest	...
1951	July	20	11:30	Forest	...
1951	July	21	11:30	Forest	...
1951	July	22	11:30	Forest	...
1951	July	23	11:30	Forest	...
1951	July	24	11:30	Forest	...
1951	July	25	11:30	Forest	...
1951	July	26	11:30	Forest	...
1951	July	27	11:30	Forest	...
1951	July	28	11:30	Forest	...
1951	July	29	11:30	Forest	...
1951	July	30	11:30	Forest	...
1951	July	31	11:30	Forest	...

1951 JULY 11
 1951 JULY 12
 1951 JULY 13
 1951 JULY 14
 1951 JULY 15
 1951 JULY 16
 1951 JULY 17
 1951 JULY 18
 1951 JULY 19
 1951 JULY 20
 1951 JULY 21
 1951 JULY 22
 1951 JULY 23
 1951 JULY 24
 1951 JULY 25
 1951 JULY 26
 1951 JULY 27
 1951 JULY 28
 1951 JULY 29
 1951 JULY 30
 1951 JULY 31

GROUNDWATER ELEVATION REPORT

EQUIPMENT: **ERING - SCIENCE, INC.** CLIENT: _____

DATE: **9-12-95**

PROJECT NO: _____

INSPECTOR: _____

COMMENTS: _____

EQUIPMENT:		WATER LEVEL INDICATOR:		WELL STATUS / COMMENTS	
DEPTOR	BGD	INSTRUMENT	CORRECTION FACTOR	TEST. WELL #1	SURFACE DISTURBANCE? RISK MARKED? CONDITION OF RISER. SEPARATE PROTECTIVE CASING

TIME	DEPTH TO WATER	PRODUCT	TIME	REMARKS	WATER LEVEL INDICATOR:		CORRECTED WATER LEVEL	MEASURED POW	INSTALLED POW	PRODUCT SPEC. GRAV.	WELL STATUS / COMMENTS
					INSTRUMENT	CORRECTION FACTOR					
648	8.34						47.38				Pad heaved .3 and 1/3 broken off
1607	5.73						7.47				Destroyed during remedial activities
1450	N/A						N/A				Roll #1 Exp #13+14
1436	6.34	KCS H450					8.34				Good
1436	7.96	KCS H450					11.45				1/4 pad left - casing sturdy Roll #2
756	5.96						8.56				Roll #1 Exp #15
1456	6.86	KCS H456					11.50				Good
146	7.88	KCS H456					37.54				Cracked / Split Pad Roll #12
1447	7.69	KCS H447					59.66				Pad heaved + cracked Roll #2 Exp #4
753	6.12						36.87				Roll #2 Exp #2
1750	5.68						59.36				Roll #2 Exp #3
610	8.94						10.35				OK
615	8.76						34.99				OK
612	8.62						58.18				OK
757	4.31						6.88				Pad heaved slightly - casing loose

ALL DEPTH MEASUREMENTS FROM MARKED LOCATION ON RISER

Sl. No.	Name of the Candidate	Roll No.	Grade	Remarks
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2
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4
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DECLARATION OF BEHAVIOR BOARD

Year	Month	Day	Time	Location	Activity	Remarks
1954	Jan	1	10:00	...	...	...
1954	Jan	2	10:00	...	...	...
1954	Jan	3	10:00	...	...	...
1954	Jan	4	10:00	...	...	...
1954	Jan	5	10:00	...	...	...
1954	Jan	6	10:00	...	...	...
1954	Jan	7	10:00	...	...	...
1954	Jan	8	10:00	...	...	...
1954	Jan	9	10:00	...	...	...
1954	Jan	10	10:00	...	...	...
1954	Jan	11	10:00	...	...	...
1954	Jan	12	10:00	...	...	...
1954	Jan	13	10:00	...	...	...
1954	Jan	14	10:00	...	...	...
1954	Jan	15	10:00	...	...	...
1954	Jan	16	10:00	...	...	...
1954	Jan	17	10:00	...	...	...
1954	Jan	18	10:00	...	...	...
1954	Jan	19	10:00	...	...	...
1954	Jan	20	10:00	...	...	...
1954	Jan	21	10:00	...	...	...
1954	Jan	22	10:00	...	...	...
1954	Jan	23	10:00	...	...	...
1954	Jan	24	10:00	...	...	...
1954	Jan	25	10:00	...	...	...
1954	Jan	26	10:00	...	...	...
1954	Jan	27	10:00	...	...	...
1954	Jan	28	10:00	...	...	...
1954	Jan	29	10:00	...	...	...
1954	Jan	30	10:00	...	...	...
1954	Jan	31	10:00	...	...	...

CHRYSTIANITY IN THE BIBLE

...

APPENDIX B

1. Sample Delivery Group No. 53766

A. Volatile Organics QA/QC Data



2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
01	LFBLDUJ	99	97	97		0
02	VBLKM7	92	92	86		0
03	MW59	98	92	90		0
04	MW60	92	91	87		0
05						
06						
07						
08						
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28						
29						
30						

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (83-143)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCB) = 1,2-Dichlorobenzene-d4 (80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (BFB) #	SMC3 (DCB) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	LFBLDUA	111	109	114		0
02	VBLKJ2	99	94	93		0
03	FHS	91	94	89		0
04	BRNS	85	84*	81		1
05	MW27	76*	79*	75*		3
06	MW36	97	97	97		0
07	MW40	91	94	89		0
08	MW47	93	96	90		0
09	MW48	99	97	90		0
10	MW48R	97	100	93		0
11	MW56	104	110	96		0
12	PT11	106	116*	96		1
13	MW448	102	96	93		0
14	MSB	102	104	100		0
15	LFBLDUC	94	93	93		0
16	VBLKJ8	102	100	98		0
17	BRNSRE	103	99	103		0
18	MW27RE	96	99	94		0
19	PT11RE	100	99	100		0
20	MW45	100	104	100		0
21	MW45MS	110	106	105		0
22	MW45MSD	112	110	102		0
23	LFBLDUF	88	96	95		0
24	VBLKK5	95	95	94		0
25	PT19	100	99	98		0
26	FHD	92	92	91		0
27	LFBLDUG	114	111	110		0
28	VBLKK6	109	105	102		0
29	TB913	111	111	107		0
30	TB914	102	98	99		0

QC LIMITS

SMC1 (DCE) = 1,2-Dichloroethane-d4 (83-143)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCB) = 1,2-Dichlorobenzene-d4 (80-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

PHYSICS DEPARTMENT
5300 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

Year	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024																																																																																																																																								
Enrollment	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000

Enrollment in the Department of Physics at the University of Chicago from 1980 to 2024. The data shows a steady increase in enrollment over the period, starting at approximately 100 students in 1980 and reaching about 1000 students by 2024. The growth is most rapid in the early 1990s and continues to show a strong upward trend through the 2000s and 2010s.

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUJ
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUJ
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
43 Chlorobenzene	1	1.0	98.78	60-140
44 1,1,1,2-Tetrachlor	1	1.0	95.84	60-140
45 Ethylbenzene	1	1	100.76	60-140
46 m- & p-Xylene	2	2	101.61	60-140
47 o-Xylene	1	1.0	98.36	60-140
M 48 Xylene (total)	3	3	103.82	60-140
49 Styrene	1	0.9	94.18	60-140
50 Bromoform	1	0.9	89.35	60-140
51 Isopropylbenzene	1	1.0	99.64	60-140
53 Bromobenzene	1	1.0	98.32	60-140
54 1,1,2,2-Tetrachlor	1	1	106.75	60-140
55 1,2,3-Trichloropro	1	1	104.30	60-140
56 n-Propylbenzene	1	1.0	99.51	60-140
57 2-Chlorotoluene	1	1	102.09	60-140
58 4-Chlorotoluene	1	1.0	96.36	60-140
59 1,3,5-Trimethylben	1	1	104.58	60-140
60 tert-Butylbenzene	1	1	102.84	60-140
61 1,2,4-Trimethylben	1	1	102.74	60-140
62 sec-Butylbenzene	1	1	103.76	60-140
63 1,3-Dichlorobenzen	1	1	106.18	60-140
65 p-Isopropyltoluene	1	1	101.02	60-140
66 1,4-Dichlorobenzen	1	1	105.11	60-140
68 1,2-Dichlorobenzen	1	1	101.17	60-140
69 n-Butylbenzene	1	1	109.36	60-140
70 1,2-Dibromo-3-Chlo	1	1	116.63	60-140
71 1,2,4-Trichloroben	1	1	111.91	60-140
72 Hexachlorobutadien	1	1	107.44	60-140
73 Naphthalene	1	1	118.49	60-140
74 1,2,3-Trichloroben	1	1	113.69	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 1,2-Dichloroethane	2	2	98.77	83-143
\$ 52 Bromofluorobenzene	2	2	96.75	86-115
\$ 67 1,2-Dichlorobenzen	2	2	96.96	80-120

000144

STATE OF TEXAS

County of _____

Know all men by these presents, that _____ of the County of _____ State of Texas, for and in consideration of the sum of _____ Dollars, to _____ in hand paid by _____ the receipt of which is hereby acknowledged, have granted, sold and conveyed, and by these presents do grant, sell and convey unto the said _____ of the County of _____ State of Texas, all that certain _____

No.	Description	Acres	Value	Remarks
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____
6	_____	_____	_____	_____
7	_____	_____	_____	_____
8	_____	_____	_____	_____
9	_____	_____	_____	_____
10	_____	_____	_____	_____
11	_____	_____	_____	_____
12	_____	_____	_____	_____
13	_____	_____	_____	_____
14	_____	_____	_____	_____
15	_____	_____	_____	_____
16	_____	_____	_____	_____
17	_____	_____	_____	_____
18	_____	_____	_____	_____
19	_____	_____	_____	_____
20	_____	_____	_____	_____
21	_____	_____	_____	_____
22	_____	_____	_____	_____
23	_____	_____	_____	_____
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28	_____	_____	_____	_____
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31	_____	_____	_____	_____
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33	_____	_____	_____	_____
34	_____	_____	_____	_____
35	_____	_____	_____	_____
36	_____	_____	_____	_____
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44	_____	_____	_____	_____
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46	_____	_____	_____	_____
47	_____	_____	_____	_____
48	_____	_____	_____	_____
49	_____	_____	_____	_____
50	_____	_____	_____	_____

Witness my hand and seal of office this _____ day of _____ 19____.

Notary Public in and for the State of Texas.

My commission expires _____ 19____.

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUJ
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUJ
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	1	0.8	83.02	60-140
2 Chloromethane	1	0.9	94.51	60-140
3 Vinyl Chloride	1	0.9	91.68	60-140
4 Bromomethane	1	1	110.22	60-140
5 Chloroethane	1	1	113.43	60-140
6 Trichlorofluoromet	1	1.0	97.07	60-140
7 1,1-Dichloroethene	1	0.9	89.99	60-140
8 Acetone	5	6	113.92	60-140
10 Methylene Chloride	1	1	102.28	60-140
11 trans-1,2-Dichloro	1	0.9	89.77	60-140
12 Methyl-t-Butyl Eth	1	1.0	98.43	60-140
13 1,1-Dichloroethane	1	1.0	99.90	60-140
14 2,2-Dichloropropan	1	1.0	95.42	60-140
15 cis-1,2-Dichloroet	1	0.9	94.11	60-140
16 2-Butanone	5	5	93.60	60-140
17 Bromochloromethane	1	0.8	85.23	60-140
19 Chloroform	1	1.0	97.49	60-140
20 1,1,1-Trichloroeth	1	0.9	93.32	60-140
21 Carbon Tetrachlori	1	0.9	87.32	60-140
22 1,1-Dichloropropen	1	1.0	95.04	60-140
24 Benzene	1	1	106.03	60-140
25 1,2-Dichloroethane	1	0.9	93.67	60-140
27 Trichloroethene	1	1.0	97.24	60-140
28 1,2-Dichloropropan	1	1	102.81	60-140
29 Dibromomethane	1	0.9	93.85	60-140
31 Bromodichlorometha	1	1.0	95.85	60-140
32 cis-1,3-Dichloropr	1	0.9	89.98	60-140
33 4-Methyl-2-Pentano	5	5	100.81	60-140
34 Toluene	1	1	109.54	60-140
35 trans-1,3-Dichloro	1	0.9	88.36	60-140
36 1,1,2-Trichloroeth	1	1	101.40	60-140
37 Tetrachloroethene	1	1.0	95.18	60-140
38 1,3-Dichloropropan	1	1.0	95.79	60-140
39 2-Hexanone	5	5	103.69	60-140
40 Dibromochlorometha	1	1.0	96.14	60-140
41 1,2-Dibromoethane	1	1.0	99.23	60-140

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUG
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUG
 Operator: CMP
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
43 Chlorobenzene	1	1.0	97.82	60-140
44 1,1,1,2-Tetrachlor	1	0.9	91.45	60-140
45 Ethylbenzene	1	1	102.59	60-140
46 m- & p-Xylene	2	2	98.75	60-140
47 o-Xylene	1	1.0	98.26	60-140
M 48 Xylene (total)	3	3	101.17	60-140
49 Styrene	1	1.0	95.10	60-140
50 Bromoform	1	0.9	90.93	60-140
51 Isopropylbenzene	1	1.0	99.35	60-140
53 Bromobenzene	1	1	100.11	60-140
54 1,1,2,2-Tetrachlor	1	0.9	94.15	60-140
55 1,2,3-Trichloropro	1	1	113.93	60-140
56 n-Propylbenzene	1	1.0	96.73	60-140
57 2-Chlorotoluene	1	0.9	94.31	60-140
58 4-Chlorotoluene	1	1.0	98.06	60-140
59 1,3,5-Trimethylben	1	1	102.85	60-140
60 tert-Butylbenzene	1	1	100.57	60-140
61 1,2,4-Trimethylben	1	1.0	98.84	60-140
62 sec-Butylbenzene	1	1.0	97.66	60-140
63 1,3-Dichlorobenzen	1	1	102.20	60-140
65 p-Isopropyltoluene	1	1.0	98.21	60-140
66 1,4-Dichlorobenzen	1	1	101.69	60-140
68 1,2-Dichlorobenzen	1	1	102.04	60-140
69 n-Butylbenzene	1	1.0	98.66	60-140
70 1,2-Dibromo-3-Chlo	1	1	100.28	60-140
71 1,2,4-Trichloroben	1	1	107.98	60-140
72 Hexachlorobutadien	1	1	103.38	60-140
73 Naphthalene	1	1	107.66	60-140
74 1,2,3-Trichloroben	1	1	108.13	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 1,2-Dichloroethane	2	2	113.96	83-143
\$ 52 Bromofluorobenzene	2	2	111.07	86-115
\$ 67 1,2-Dichlorobenzen	2	2	110.53	80-120

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUG
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUG
 Operator: CMP
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	1	0.9	88.57	60-140
2 Chloromethane	1	0.9	94.78	60-140
3 Vinyl Chloride	1	1.0	97.98	60-140
4 Bromomethane	1	1	109.93	60-140
5 Chloroethane	1	1	106.71	60-140
6 Trichlorofluoromet	1	1	103.06	60-140
7 1,1-Dichloroethene	1	1	101.94	60-140
8 Acetone	5	5	101.55	60-140
10 Methylene Chloride	1	1	110.21	60-140
11 trans-1,2-Dichloro	1	1	100.45	60-140
12 Methyl-t-Butyl Eth	1	1	104.18	60-140
13 1,1-Dichloroethane	1	1	105.75	60-140
14 2,2-Dichloropropan	1	1.0	99.36	60-140
15 cis-1,2-Dichloroet	1	1.0	96.96	60-140
16 2-Butanone	5	4	76.95	60-140
17 Bromochloromethane	1	1.0	97.53	60-140
19 Chloroform	1	1.0	99.12	60-140
20 1,1,1-Trichloroeth	1	1.0	96.15	60-140
21 Carbon Tetrachlori	1	0.9	93.25	60-140
22 1,1-Dichloropropen	1	1	102.29	60-140
24 Benzene	1	1	105.22	60-140
25 1,2-Dichloroethane	1	1	101.88	60-140
27 Trichloroethene	1	1.0	99.91	60-140
28 1,2-Dichloropropan	1	1	101.43	60-140
29 Dibromomethane	1	1	102.05	60-140
31 Bromodichlorometha	1	1.0	97.57	60-140
32 cis-1,3-Dichloropr	1	1.0	99.55	60-140
33 4-Methyl-2-Pentano	5	4	91.66	60-140
34 Toluene	1	1	101.91	60-140
35 trans-1,3-Dichloro	1	1	101.01	60-140
36 1,1,2-Trichloroeth	1	1	102.67	60-140
37 Tetrachloroethene	1	1	102.55	60-140
38 1,3-Dichloropropan	1	1	103.95	60-140
39 2-Hexanone	5	5	94.52	60-140
40 Dibromochlorometha	1	0.9	93.26	60-140
41 1,2-Dibromoethane	1	1.0	99.18	60-140

THE UNIVERSITY OF CHICAGO

Department of Chemistry
5700 South Ellis Avenue
Chicago, Illinois 60637

Office of the Registrar
5400 South Ellis Avenue
Chicago, Illinois 60637

Name	ID Number	Section	Grade	Credits
John Doe	123456789	CHEM 101	A	4
Jane Smith	987654321	CHEM 102	B	4
Robert Johnson	567890123	CHEM 201	C	4
Emily White	345678901	CHEM 202	D	4
Michael Brown	234567890	CHEM 301	F	4
Sarah Green	123456789	CHEM 302	A-	4
David Black	987654321	CHEM 401	B+	4
Lisa Gray	567890123	CHEM 402	C-	4

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFB LDUF
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFB LDUF
 Operator: CMP
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
43 Chlorobenzene	1	0.7	72.87	60-140
44 1,1,1,2-Tetrachlor	1	0.7	68.96	60-140
45 Ethylbenzene	1	0.8	77.39	60-140
46 m- & p-Xylene	2	2	80.80	60-140
47 o-Xylene	1	0.8	80.26	60-140
M 48 Xylene (total)	3	2	83.46	60-140
49 Styrene	1	0.7	68.62	60-140
50 Bromoform	1	0.7	73.86	60-140
51 Isopropylbenzene	1	0.8	76.44	60-140
53 Bromobenzene	1	0.7	69.70	60-140
54 1,1,2,2-Tetrachlor	1	0.8	78.71	60-140
55 1,2,3-Trichloropro	1	0.8	77.38	60-140
56 n-Propylbenzene	1	0.7	68.88	60-140
57 2-Chlorotoluene	1	0.7	70.63	60-140
58 4-Chlorotoluene	1	0.7	71.33	60-140
59 1,3,5-Trimethylben	1	0.8	78.20	60-140
60 tert-Butylbenzene	1	0.7	74.47	60-140
61 1,2,4-Trimethylben	1	0.9	89.40	60-140
62 sec-Butylbenzene	1	0.7	74.43	60-140
63 1,3-Dichlorobenzen	1	0.7	71.10	60-140
65 p-Isopropyltoluene	1	0.7	72.36	60-140
66 1,4-Dichlorobenzen	1	0.7	72.42	60-140
68 1,2-Dichlorobenzen	1	0.7	70.01	60-140
69 n-Butylbenzene	1	0.7	73.58	60-140
70 1,2-Dibromo-3-Chlo	1	0.9	86.82	60-140
71 1,2,4-Trichloroben	1	0.8	75.45	60-140
72 Hexachlorobutadien	1	0.8	78.55	60-140
73 Naphthalene	1	0.8	81.74	60-140
74 1,2,3-Trichloroben	1	0.8	79.50	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 1,2-Dichloroethane	2	2	88.51	83-143
\$ 52 Bromofluorobenzene	2	2	96.49	86-115
\$ 67 1,2-Dichlorobenzen	2	2	95.17	80-120

000140

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUF
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUF
 Operator: CMP
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	1	1.0	97.17	60-140
2 Chloromethane	1	0.9	90.59	60-140
3 Vinyl Chloride	1	0.8	83.25	60-140
4 Bromomethane	1	0.8	83.78	60-140
5 Chloroethane	1	1	101.91	60-140
6 Trichlorofluoromet	1	0.8	83.25	60-140
7 1,1-Dichloroethene	1	0.7	71.37	60-140
8 Acetone	5	7	134.93	60-140
10 Methylene Chloride	1	1	112.31	60-140
11 trans-1,2-Dichloro	1	0.7	73.61	60-140
12 Methyl-t-Butyl Eth	1	0.8	76.10	60-140
13 1,1-Dichloroethane	1	0.7	72.03	60-140
14 2,2-Dichloropropan	1	0.8	79.55	60-140
15 cis-1,2-Dichloroet	1	0.7	68.58	60-140
16 2-Butanone	5	5	98.00	60-140
17 Bromochloromethane	1	0.6	62.51	60-140
19 Chloroform	1	0.8	77.30	60-140
20 1,1,1-Trichloroeth	1	0.7	70.93	60-140
21 Carbon Tetrachlori	1	0.7	70.65	60-140
22 1,1-Dichloropropen	1	0.7	69.56	60-140
24 Benzene	1	0.8	78.88	60-140
25 1,2-Dichloroethane	1	0.7	67.79	60-140
27 Trichloroethene	1	0.7	70.61	60-140
28 1,2-Dichloropropan	1	0.7	67.14	60-140
29 Dibromomethane	1	0.6	65.49	60-140
31 Bromodichlorometha	1	0.7	67.49	60-140
32 cis-1,3-Dichloropr	1	0.7	69.49	60-140
33 4-Methyl-2-Pentano	5	6	113.14	60-140
34 Toluene	1	0.8	77.94	60-140
35 trans-1,3-Dichloro	1	0.7	71.70	60-140
36 1,1,2-Trichloroeth	1	0.7	70.08	60-140
37 Tetrachloroethene	1	0.8	79.78	60-140
38 1,3-Dichloropropan	1	0.8	75.83	60-140
39 2-Hexanone	5	6	115.46	60-140
40 Dibromochlorometha	1	0.7	69.13	60-140
41 1,2-Dibromoethane	1	0.7	68.74	60-140

THE UNIVERSITY OF CHICAGO

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For more information, please contact the Registrar's Office.

CLASS	SECTION	INSTRUCTOR	PREREQUISITES	COURSE DESCRIPTION
PHYS 101	101-001	Prof. John Doe	None	Introduction to classical mechanics, covering Newton's laws, energy, and momentum.
PHYS 102	102-001	Prof. Jane Smith	PHYS 101	Introduction to electromagnetism, covering electric and magnetic fields.
PHYS 103	103-001	Prof. Michael Johnson	PHYS 101, PHYS 102	Introduction to quantum mechanics, covering wave functions and the Schrödinger equation.

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFB LDUC
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFB LDUC
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
43 Chlorobenzene	1	1	101.68	60-140
44 1,1,1,2-Tetrachlor	1	1.0	98.87	60-140
45 Ethylbenzene	1	1	109.98	60-140
46 m- & p-Xylene	2	2	110.45	60-140
47 o-Xylene	1	1	100.87	60-140
M 48 Xylene (total)	3	3	111.67	60-140
49 Styrene	1	1	101.74	60-140
50 Bromoform	1	0.9	89.32	60-140
51 Isopropylbenzene	1	1	109.40	60-140
53 Bromobenzene	1	1	102.75	60-140
54 1,1,2,2-Tetrachlor	1	1.0	99.33	60-140
55 1,2,3-Trichloropro	1	1	109.08	60-140
56 n-Propylbenzene	1	1	106.24	60-140
57 2-Chlorotoluene	1	1	103.45	60-140
58 4-Chlorotoluene	1	1	108.52	60-140
59 1,3,5-Trimethylben	1	1	107.01	60-140
60 tert-Butylbenzene	1	1	106.95	60-140
61 1,2,4-Trimethylben	1	1	109.46	60-140
62 sec-Butylbenzene	1	1	108.67	60-140
63 1,3-Dichlorobenzen	1	1	110.85	60-140
65 p-Isopropyltoluene	1	1	108.16	60-140
66 1,4-Dichlorobenzen	1	1	111.27	60-140
68 1,2-Dichlorobenzen	1	1	105.91	60-140
69 n-Butylbenzene	1	1	115.31	60-140
70 1,2-Dibromo-3-Chlo	1	1	124.29	60-140
71 1,2,4-Trichloroben	1	1	123.57	60-140
72 Hexachlorobutadien	1	1	125.03	60-140
73 Naphthalene	1	1	117.73	60-140
74 1,2,3-Trichloroben	1	1	119.78	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 1,2-Dichloroethane	2	2	94.47	83-143
\$ 52 Bromofluorobenzene	2	2	93.44	86-115
\$ 67 1,2-Dichlorobenzen	2	2	93.38	80-120

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUC
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUC
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	1	1	104.77	60-140
2 Chloromethane	1	1	110.41	60-140
3 Vinyl Chloride	1	1.0	98.57	60-140
4 Bromomethane	1	1	110.48	60-140
5 Chloroethane	1	1	119.32	60-140
6 Trichlorofluoromet	1	1	106.24	60-140
7 1,1-Dichloroethene	1	1	108.02	60-140
8 Acetone	5	6	111.22	60-140
10 Methylene Chloride	1	1	104.27	60-140
11 trans-1,2-Dichloro	1	1	106.97	60-140
12 Methyl-t-Butyl Eth	1	1	116.83	60-140
13 1,1-Dichloroethane	1	1	108.75	60-140
14 2,2-Dichloropropan	1	1	116.60	60-140
15 cis-1,2-Dichloroet	1	1	104.25	60-140
16 2-Butanone	5	4	85.07	60-140
17 Bromochloromethane	1	1.0	96.08	60-140
19 Chloroform	1	1	111.47	60-140
20 1,1,1-Trichloroeth	1	1	103.75	60-140
21 Carbon Tetrachlori	1	1	100.52	60-140
22 1,1-Dichloropropen	1	1	104.24	60-140
24 Benzene	1	1	108.26	60-140
25 1,2-Dichloroethane	1	1.0	97.00	60-140
27 Trichloroethene	1	1.0	95.86	60-140
28 1,2-Dichloropropan	1	1	107.41	60-140
29 Dibromomethane	1	0.9	91.38	60-140
31 Bromodichlorometha	1	1.0	96.45	60-140
32 cis-1,3-Dichloropr	1	1	104.11	60-140
33 4-Methyl-2-Pentano	5	5	100.99	60-140
34 Toluene	1	1	107.47	60-140
35 trans-1,3-Dichloro	1	1	101.19	60-140
36 1,1,2-Trichloroeth	1	1	106.95	60-140
37 Tetrachloroethene	1	1	103.36	60-140
38 1,3-Dichloropropan	1	1	101.44	60-140
39 2-Hexanone	5	5	97.02	60-140
40 Dibromochlorometha	1	1	102.17	60-140
41 1,2-Dibromoethane	1	1.0	95.76	60-140

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1992/01/01	Opening Balance	100.00	100.00	
1992/01/15	Deposit	50.00	150.00	
1992/01/30	Withdrawal	25.00	125.00	
1992/02/15	Deposit	75.00	200.00	
1992/02/28	Withdrawal	30.00	170.00	
1992/03/15	Deposit	60.00	230.00	
1992/03/31	Withdrawal	40.00	190.00	
1992/04/15	Deposit	80.00	270.00	
1992/04/30	Withdrawal	50.00	220.00	
1992/05/15	Deposit	90.00	310.00	
1992/05/31	Withdrawal	60.00	250.00	
1992/06/15	Deposit	70.00	320.00	
1992/06/30	Withdrawal	45.00	275.00	
1992/07/15	Deposit	85.00	360.00	
1992/07/31	Withdrawal	55.00	305.00	
1992/08/15	Deposit	95.00	400.00	
1992/08/31	Withdrawal	65.00	335.00	
1992/09/15	Deposit	80.00	415.00	
1992/09/30	Withdrawal	50.00	365.00	
1992/10/15	Deposit	90.00	455.00	
1992/10/31	Withdrawal	60.00	395.00	
1992/11/15	Deposit	75.00	470.00	
1992/11/30	Withdrawal	40.00	430.00	
1992/12/15	Deposit	85.00	515.00	
1992/12/31	Withdrawal	55.00	460.00	
1993/01/01	Opening Balance	460.00	460.00	

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFB LDUA
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFB LDUA
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
43 Chlorobenzene	1	1.0	99.59	60-140
44 1,1,1,2-Tetrachlor	1	1.0	96.40	60-140
45 Ethylbenzene	1	1.0	98.70	60-140
46 m- & p-Xylene	2	2	101.04	60-140
47 o-Xylene	1	0.9	90.53	60-140
M 48 Xylene (total)	3	3	100.18	60-140
49 Styrene	1	0.9	91.32	60-140
50 Bromoform	1	0.9	86.70	60-140
51 Isopropylbenzene	1	1.0	97.75	60-140
53 Bromobenzene	1	1.0	95.72	60-140
54 1,1,2,2-Tetrachlor	1	0.9	93.38	60-140
55 1,2,3-Trichloropro	1	1.0	98.77	60-140
56 n-Propylbenzene	1	0.9	89.94	60-140
57 2-Chlorotoluene	1	1	100.45	60-140
58 4-Chlorotoluene	1	1	106.93	60-140
59 1,3,5-Trimethylben	1	1.0	98.53	60-140
60 tert-Butylbenzene	1	1.0	99.06	60-140
61 1,2,4-Trimethylben	1	1.0	99.22	60-140
62 sec-Butylbenzene	1	1.0	99.88	60-140
63 1,3-Dichlorobenzen	1	1.0	99.08	60-140
65 p-Isopropyltoluene	1	1	104.65	60-140
66 1,4-Dichlorobenzen	1	1	105.65	60-140
68 1,2-Dichlorobenzen	1	0.9	94.40	60-140
69 n-Butylbenzene	1	1	102.07	60-140
70 1,2-Dibromo-3-Chlo	1	1	103.44	60-140
71 1,2,4-Trichloroben	1	1	108.90	60-140
72 Hexachlorobutadien	1	1	112.16	60-140
73 Naphthalene	1	1	102.37	60-140
74 1,2,3-Trichloroben	1	1	104.94	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 23 1,2-Dichloroethane	2	2	111.19	83-143
\$ 52 Bromofluorobenzene	2	2	109.41	86-115
\$ 67 1,2-Dichlorobenzen	2	2	114.13	80-120

000136

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Date	Description	Amount	Balance	Remarks
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Total
Grand Total

LFB RECOVERY REPORT

Client Name: ENGSC2
 Sample Matrix: LIQUID
 Lab Smp Id: LFBLDUA
 Level: LOW
 Data Type: MS DATA
 SpikeList File: lfbver3ketMTBE.spk

Client SDG: 53766
 Fraction: VOA
 Client Smp ID: LFBLDUA
 Operator: GWG
 SampleType: MS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	1	0.9	94.46	60-140
2 Chloromethane	1	1.0	98.53	60-140
3 Vinyl Chloride	1	1.0	95.86	60-140
4 Bromomethane	1	1	108.90	60-140
5 Chloroethane	1	1	112.45	60-140
6 Trichlorofluoromet	1	1	103.28	60-140
7 1,1-Dichloroethene	1	1.0	97.25	60-140
8 Acetone	5	6	111.74	60-140
10 Methylene Chloride	1	1.0	99.66	60-140
11 trans-1,2-Dichloro	1	1	102.83	60-140
12 Methyl-t-Butyl Eth	1	1	101.60	60-140
13 1,1-Dichloroethane	1	1	108.17	60-140
14 2,2-Dichloropropan	1	1	109.95	60-140
15 cis-1,2-Dichloroet	1	0.9	91.87	60-140
16 2-Butanone	5	4	81.97	60-140
17 Bromochloromethane	1	1.0	96.46	60-140
19 Chloroform	1	1	101.77	60-140
20 1,1,1-Trichloroeth	1	1.0	96.17	60-140
21 Carbon Tetrachlori	1	1.0	97.79	60-140
22 1,1-Dichloropropen	1	1	100.62	60-140
24 Benzene	1	1	105.66	60-140
25 1,2-Dichloroethane	1	1	105.98	60-140
27 Trichloroethene	1	1	105.26	60-140
28 1,2-Dichloropropan	1	1	101.85	60-140
29 Dibromomethane	1	1.0	95.27	60-140
31 Bromodichlorometha	1	1.0	98.09	60-140
32 cis-1,3-Dichloropr	1	1	100.76	60-140
33 4-Methyl-2-Pentano	5	5	101.40	60-140
34 Toluene	1	1.0	98.59	60-140
35 trans-1,3-Dichloro	1	1	100.19	60-140
36 1,1,2-Trichloroeth	1	1	100.39	60-140
37 Tetrachloroethene	1	1.0	99.20	60-140
38 1,3-Dichloropropan	1	1	101.60	60-140
39 2-Hexanone	5	5	98.24	60-140
40 Dibromochlorometha	1	0.9	90.49	60-140
41 1,2-Dibromoethane	1	1.0	96.61	60-140

Form 1041-1 (2001)

Department of the Treasury
Internal Revenue Service

OMB No. 1545-0047
Use of this form is required for the filing of returns for the year 2001.

Trustee	Beneficiary	Trust	Trust ID	Distribution
<p>John Doe</p>	<p>John Doe</p>	<p>Trust A</p>	<p>123456789</p>	<p>Income</p>

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Matrix Spike - EPA Sample No.: MSB

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	10		10	101	80-120
Carbon Tetrachloride	10		10	112	80-120
1,2-Dichloroethane	10		11	103	80-120
Benzene	10		10	106	80-120
Trichloroethene	10		10	104	80-120
1,2-Dichloropropane	10		11	108	80-120
cis-1,3-Dichloropropene	10		10	102	80-120
1,1,2-Trichloroethane	10		11	101	80-120
2-Hexanone	25		25	97	80-120
Tetrachloroethene	10		10	98	80-120
1,2-Dibromoethane	10		10	105	80-120
Bromoform	10		10	99	80-120
1,4-Dichlorobenzene	10		10	102	80-120

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 13 outside limits

COMMENTS:

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[Faint Header 1]	[Faint Header 2]	[Faint Header 3]	[Faint Header 4]	[Faint Header 5]	[Faint Header 6]
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WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Matrix Spike - EPA Sample No.: MW45

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Vinyl Chloride	10	0	10	100	80-120
Carbon Tetrachloride	10	0	10	100	80-120
1,2-Dichloroethane	10	0	10	100	80-120
Benzene	10	0	10	100	80-120
Trichloroethene	10	0	10	100	80-120
1,2-Dichloropropane	10	0	11	110	80-120
cis-1,3-Dichloropropene	10	0	10	100	80-120
1,1,2-Trichloroethane	10	0	10	100	80-120
2-Hexanone	25	0	23	92	80-120
Tetrachloroethene	10	0	10	100	80-120
1,2-Dibromoethane	10	0	10	100	80-120
Bromoform	10	0	9	90	80-120
1,4-Dichlorobenzene	10	0	10	100	80-120

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Vinyl Chloride	10	10	100	0	13	80-120
Carbon Tetrachloride	10	10	100	0	13	80-120
1,2-Dichloroethane	10	10	100	0	13	80-120
Benzene	10	10	100	0	13	80-120
Trichloroethene	10	10	100	0	13	80-120
1,2-Dichloropropane	10	10	100	10	13	80-120
cis-1,3-Dichloropropene	10	10	100	0	13	80-120
1,1,2-Trichloroethane	10	10	100	0	13	80-120
2-Hexanone	25	23	92	0	13	80-120
Tetrachloroethene	10	10	100	0	13	80-120
1,2-Dibromoethane	10	10	100	0	13	80-120
Bromoform	10	9	90	0	13	80-120
1,4-Dichlorobenzene	10	10	100	0	13	80-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 13 outside limits

Spike Recovery: 0 out of 26 outside limits

COMMENTS:

Volume 100, Number 1, July 1958

Published Weekly, except for two issues combined annually in January and July

Subscription price, \$12.00 per year in advance

<p>1. Original Articles</p> <p>2. Review Articles</p> <p>3. Case Reports</p> <p>4. Letters to the Editor</p> <p>5. Editorial</p>	<p>6. Announcements</p> <p>7. Obituary</p> <p>8. Index</p> <p>9. Table of Contents</p>
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<p>10. Continuing Education</p> <p>11. Medical News</p> <p>12. Medical Education</p> <p>13. Medical Economics</p> <p>14. Medical Law</p> <p>15. Medical History</p>	<p>16. Medical Illustrations</p> <p>17. Medical Photography</p> <p>18. Medical Art</p> <p>19. Medical Literature</p> <p>20. Medical Research</p>
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKM7

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Lab File ID: LDUB001JV.D

Lab Sample ID: VBLKM7

Date Analyzed: 09/29/95

Time Analyzed: 1349

GC Column: CAP

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFBLDUJ	LFBLDUJ	LDU001J2QV.D	1307
02	MW59	271849	L271849I2V.D	1842
03	MW60	271850	L271850I2V.D	1915
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COMMENTS:

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This information is provided for your information only and should not be used as a basis for any investment decision.

Year	2010	2011	2012	2013
1	100	100	100	100
2	100	100	100	100
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKK6

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Lab File ID: LDUB001GV.D

Lab Sample ID: VBLKK6

Date Analyzed: 09/22/95

Time Analyzed: 1950

GC Column: CAP

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	LFBLDUG	LFBLDUG	LDU002GQV.D	1918
02	TB913	270989	L270989I2V.D	2129
03	TB914	270990	L270990I2V.D	2202
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COMMENTS:



Name

Roll No.

Class

Section

Subject

Topic

Write the following in short/long answer form as directed.

Q. No.	Question	Answer	Marks
1	1. Name the three types of simple machines.	1. Lever, 2. Inclined plane, 3. Wheel and axle.	3
2	2. State the principle of moments.	The principle of moments states that for a body to be in equilibrium, the sum of clockwise moments must be equal to the sum of anticlockwise moments.	2
3	3. Define work done.	Work done is the product of force and displacement in the direction of the force.	2
4	4. State the law of conservation of energy.	Energy cannot be created or destroyed, it can only be transformed from one form to another.	2
5	5. Name the SI unit of power.	Watt (W).	1
6	6. State the condition for a body to be in stable equilibrium.	The center of gravity must be below the point of suspension.	2
7	7. Define potential energy.	Potential energy is the energy possessed by a body due to its position or configuration.	2
8	8. State the law of conservation of momentum.	The total momentum of a closed system remains constant if no external force acts on it.	2
9	9. Name the SI unit of pressure.	Pascal (Pa).	1
10	10. State the condition for a body to be in neutral equilibrium.	The center of gravity must be at the point of suspension.	2
11	11. Define kinetic energy.	Kinetic energy is the energy possessed by a body due to its motion.	2
12	12. State the law of conservation of mass.	Mass is neither created nor destroyed in a chemical reaction.	2
13	13. Name the SI unit of force.	Newton (N).	1
14	14. State the condition for a body to be in unstable equilibrium.	The center of gravity must be above the point of suspension.	2
15	15. Define pressure.	Pressure is the force acting per unit area perpendicular to the surface.	2
16	16. State the law of conservation of energy in a closed system.	The total energy of a closed system remains constant.	2
17	17. Name the SI unit of energy.	Joule (J).	1
18	18. State the condition for a body to be in stable equilibrium.	The center of gravity must be below the point of suspension.	2
19	19. Define work done.	Work done is the product of force and displacement in the direction of the force.	2
20	20. State the law of conservation of momentum.	The total momentum of a closed system remains constant if no external force acts on it.	2

Total Marks: 40

Signature

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKK5

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Lab File ID: LDUB002FV.D

Lab Sample ID: VBLKK5

Date Analyzed: 09/22/95

Time Analyzed: 0958

GC Column: CAP

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFBLDUF	LFBLDUF	LDUB001FV.D	0908
02	PT19	270988	L270988I2V.D	1603
03	FHD	270969	L270969I4V.D	1630
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKJ8

Lab Name: AQUATEC, INC.

Contract: 93206

Lab Code: AQUAI

Case No.: 93206

SAS No.:

SDG No.: 53766

Lab File ID: LDUB001CV.D

Lab Sample ID: VBLKJ8

Date Analyzed: 09/20/95

Time Analyzed: 2023

GC Column: CAP

ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: L

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFBLDUC	LFBLDUC	LDU001CQV.D	1941
02	BRNSRE	270971R1	L270971I3V.D	0056
03	MW27RE	271006R1	L271006I3V.D	0128
04	PT11RE	270987R1	L270987I3V.D	0200
05	MW45	270979	L270979I2V.D	0409
06	MW45MS	270979MS	L270979MSI2V.D	0441
07	MW45MSD	270979MD	L270979MDI2V.D	0512
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COMMENTS:
