Parametric Prediction Limits

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:18:25PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Cobalt (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	30.0%	0.220	0.952	0.360	13	11/18/98	MW-4R
					0.850	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:21:40PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Nickel (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	75.0%	0.190	0.952	0.700	13	11/18/98	MW-3
					1.500	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:27:59PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Barium (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	45.0%	1.000	0.952	2.800	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	Cohen's method
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:33:59PM	**Confidence Level:**	0.95
Reported by:	user	**Log Transform:**	No
Minimum Size:	4	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Range of Censoring:**	0% - 100%
Report Options:	Normal inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Exceeded Result	Sample ID	Sample Date	Sample Point
Chromium (mg/L)							
Background Wells							
Background (MW-1 & MW-1A)							
Background Wells	20	20.0%	0.219	1.500	13	11/18/98	MW-5
				0.260	13	11/18/98	MW-6

End of report

Note: * - Monitor cannot compute Prediction Limits for less than 4 or more than 200 result values.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:37:35PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Beryllium (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	85.0%	0.013	0.952	0.078	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

C:\Monitor5\bin\mrwwwmr.htm (local)

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:39:14PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Copper (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	70.0%	0.260	0.952	1.200	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:40:40PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Lead (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	60.0%	0.070	0.952	0.140	13	11/18/98	MW-3

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	Cohen's method
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:42:25PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Vanadium (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	55.0%	0.330	0.952	1.700	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	Cohen's method
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:44:18PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Zinc (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	20.0%	0.320	0.952	2.100	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:11:04PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Arsenic (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	0.005	0.952	0.026	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:12:33PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Cadmium (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	95.0%	0.001	0.952	0.003	13	11/18/98	MW-4R
					0.005	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:13:32PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Thallium (mg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	0.005	0.952	0.006	13	11/18/98	MW-5

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:46:01PM	**Confidence Level:**	0.95
Reported by:	user	**Log Transform:**	No
Minimum Size:	4	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Range of Censoring:**	0% - 100%
Report Options:	Normal inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Exceeded Result	Sample ID	Sample Date	Sample Point
1,4-Dichlorobenzene (µg/L)							
Background Wells							
Background (MW-1 & MW-1A)							
Background Wells	20	100.0%	3.290	4.600	13	11/18/98	MW-3

End of report

Note: * - Monitor cannot compute Prediction Limits for less than 4 or more than 200 result values.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:55:50PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Chloroethane (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	95.0%	5.000	0.952	9.700	13	11/18/98	MW-3
					7.600	13	11/18/98	MW-4R

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies***, Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:53:28PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded	Sample ID Result	Sample Date	Sample Point
Carbon disulfide (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	95.0%	50.000	0.952				

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:47:55PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		

Monitor 5

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Benzene (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	2.500	0.952	5.700	13	11/18/98	MW-3

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 2:35:38PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
Xylenes - Total (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	2.500	0.952	12.800	13	11/18/98	MW-3

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

C:\Monitor5\bin\mrwwwmr.htm (local)

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:01:23PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded	Sample ID Result	Sample Date	Sample Point
Ethyl benzene (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	2.500	0.952				

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

C:\Monitor5\bin\mrwwwmr.htm (local)

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:04:06PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Point	Sample Date
1,1-Dichloroethane (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	50.0%	22.000	0.952				

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill Alexander County Groundwater	**Date Range:**	All
Program:	Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:09:27PM	**Confidence Level:**	0.95
Reported by:	user	**Log Transform:**	No
Minimum Size:	4	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Range of Censoring:**	0% - 100%
Report Options:	Normal inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Exceeded Result	Sample ID	Sample Date	Sample Point
BHC-Alpha (µg/L)							
Background Wells							
Background (MW-1 & MW-1A)							
Background Wells	8	100.0%	0.030	0.390	13	11/18/98	MW-4R
				0.630	13	11/18/98	MW-7

End of report

Note: * - Monitor cannot compute Prediction Limits for less than 4 or more than 200 result values.**

Monitor 5 ***Dove Technologies*** , Inc

Prediction Limit Report

Company:	Alexander County	**Data Group:**	None
Site:	Closed Sanitary Ladfill	**Date Range:**	All
Program:	Alexander County Groundwater Monitoring	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	1/18/99 3:14:45PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	11/16/9
Prediction Plan:	Pass next resample	**Prediction Limit Case:**	Largest Value
Minimum Size:	4	**Range of Censoring:**	0% - 100%
Report Options:	Nonparametric inter point by parameter		**Monitor 5**

Sampling Point	Sample Size	%NDs	Prediction Limit	Site Wide Confidence	Exceeded Result	Sample ID	Sample Date	Sample Point
cis-1,2-Dichloroethene (µg/L)								
Background Wells								
Background (MW-1 & MW-1A)								
Background Wells	20	100.0%	2.500	0.952	6.500	13	11/18/98	MW-6
					2.700	13	11/18/98	MW-7

End of report

Note: * - The site wide false positive rate [alpha*] could not be computed. There were fewer than 4 result values available before the cut-off date.**

*** - The Prediction Limit for the 2nd Maximum case could not be computed. There were fewer than 2 result values before cut-off date.**

Monitor 5 ***Dove Technologies*** , Inc

Mann-Kendall Trend Tests

Mann-Kendall Trend Test Report for all November 1998 Detections

Site: Closed Sanitary Ladfill
Program: Alexander County Groundwater Monitori
Data Group: Nov98 Detections
Page 1

Parameter	Unit	Size	%NDs	S Value	Tabular	Value	Significant Statistically	Trend Direction

Mann-Kendall Trend Test Report for all November 1998 Detections

Company: Alexander County
Site: Closed Sanitary Ladfill
Program: Alexander County Groundwater Monitori
Permit:
Minimum Size: 4
Reported by: user
Report Options: by sampling point

Data Group: Nov98 Detections
Date Range: All
Non-detects: 1/2 detection limit
Duplicates: Mean
Confidence Level: 0.95
Range of Censoring: 0% - 100%
Report printed: 1/15/99 3:48:03PM

Monitor 5

Downgradient

MW-3							
Metals							
Barium	mg/L	11	45.5%	4	0.4065	No	-
Beryllium	mg/L	11	81.8%	-12	0.1908	No	-
Chromium	mg/L	11	36.4%	16	0.1152	No	-
Cobalt	mg/L	11	9.1%	-13	0.179	No	-
Copper	mg/L	11	63.6%	-10	0.2375	No	-
Lead	mg/L	11	54.5%	19	0.082	No	-
Nickel	mg/L	11	9.1%	7	0.324	No	-
Vanadium	mg/L	11	54.5%	-5	0.381	No	-
Zinc	mg/L	11	54.5%	32	0.005	Yes	Upward
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	11	63.6%	20	0.063	No	-
Benzene	µg/L	11	27.3%	1	0.5	No	-
Carbon disulfide	µg/L	11	81.8%	-27	0.02	Yes	Downward
Chloroethane	µg/L	11	45.5%	-22	0.0447	Yes	Downward
Ethyl benzene	µg/L	11	81.8%	-3	0.44	No	-
Xylenes - Total	µg/L	11	18.2%	-19	0.082	No	-
MW-4R							
Metals							
Barium	mg/L	11	45.5%	-37	0.002	Yes	Downward
Cadmium	mg/L	11	18.2%	28	0.0134	Yes	Upward
Chromium	mg/L	11	27.3%	-18	0.0864	No	-
Cobalt	mg/L	11	0.0%	-1	0.5	No	-
Copper	mg/L	11	54.5%	-33	0.005	Yes	Downward
Lead	mg/L	11	45.5%	-5	0.381	No	-
Vanadium	mg/L	11	18.2%	-30	0.0083	Yes	Downward
Zinc	mg/L	11	18.2%	-24	0.031	Yes	Downward
Pesticides							
BHC-Alpha	µg/L	5	40.0%	1	0.5	No	-
BHC-Gamma	µg/L	2	50.0%	1	0	Yes	Upward
Volatile Organic Compounds							
1,1-Dichloroethane	µg/L	11	0.0%	-23	0.043	Yes	Downward
Benzene	µg/L	11	81.8%	-3	0.44	No	-
Chloroethane	µg/L	11	63.6%	3	0.44	No	-
MW-5							
Metals							
Arsenic	mg/L	11	72.7%	15	0.141	No	-
Barium	mg/L	11	27.3%	-10	0.2375	No	-
Beryllium	mg/L	11	0.0%	-14	0.1498	No	-
Cadmium	mg/L	11	54.5%	22	0.0447	Yes	Upward
Chromium	mg/L	11	0.0%	3	0.44	No	-
Cobalt	mg/L	11	0.0%	-9	0.271	No	-

Mann-Kendall Trend Test Report for all November 1998 Detections

Site: Closed Sanitary Ladfill **Data Group:** Nov98 Detections
Program: Alexander County Groundwater Monitori **Page** 1

Parameter Statistically	Unit Direction	Size	%NDs	S Value	Tabular	Value Trend	Significant
Copper	mg/L	11	27.3%	-10	0.2375	No	-
Lead	mg/L	11	9.1%	-11	0.223	No	-
Nickel	mg/L	11	18.2%	-14	0.1498	No	-
Thallium	mg/L	11	81.8%	-10	0.2375	No	-
Vanadium	mg/L	11	0.0%	-3	0.44	No	-
Zinc	mg/L	11	0.0%	-21	0.06	No	-
Volatile Organic Compounds							
1,1-Dichloroethane	µg/L	11	0.0%	26	0.0207	Yes	Upward
Benzene	µg/L	11	72.7%	15	0.141	No	-
MW-6							
Metals							
Barium	mg/L	11	36.4%	5	0.381	No	-
Beryllium	mg/L	11	72.7%	-1	0.5	No	-
Chromium	mg/L	11	9.1%	3	0.44	No	-
Cobalt	mg/L	11	9.1%	13	0.179	No	-
Copper	mg/L	11	72.7%	-12	0.1908	No	-
Lead	mg/L	11	45.5%	5	0.381	No	-
Nickel	mg/L	11	72.7%	8	0.2893	No	-
Vanadium	mg/L	11	90.9%	-5	0.381	No	-
Zinc	mg/L	11	45.5%	2	0.4686	No	-
Volatile Organic Compounds							
cis-1,2-Dichloroethene	µg/L	11	90.9%	3	0.44	No	-
MW-7							
Metals							
Barium	mg/L	11	45.5%	-32	0.005	Yes	Downward
Beryllium	mg/L	11	45.5%	-1	0.5	No	-
Chromium	mg/L	11	18.2%	-15	0.141	No	-
Cobalt	mg/L	11	27.3%	-31	0.008	Yes	Downward
Copper	mg/L	11	63.6%	-21	0.06	No	-
Vanadium	mg/L	11	45.5%	-20	0.063	No	-
Zinc	mg/L	11	18.2%	-15	0.141	No	-
Pesticides							
BHC-Alpha	µg/L	5	80.0%	4	0.242	No	-
Volatile Organic Compounds							
1,1-Dichloroethane	µg/L	11	0.0%	-28	0.0134	Yes	Downward
cis-1,2-Dichloroethene	µg/L	11	81.8%	15	0.141	No	-
MW-8							
Metals							
Barium	mg/L	11	54.5%	-13	0.179	No	-
Chromium	mg/L	11	27.3%	-10	0.2375	No	-
Cobalt	mg/L	11	45.5%	-26	0.0207	Yes	Downward
Vanadium	mg/L	11	54.5%	-13	0.179	No	-
Zinc	mg/L	11	18.2%	-12	0.1908	No	-
Pesticides							
BHC-Alpha	µg/L	1	0.0%	0	0	Yes	-
BHC-Gamma	µg/L	1	0.0%	0	0	Yes	-
Volatile Organic Compounds							
1,1-Dichloroethane	µg/L	11	0.0%	10	0.2375	No	-
Upgradient							
MW-1							
Metals							
Barium	mg/L	11	54.5%	-23	0.043	Yes	Downward
Chromium	mg/L	11	27.3%	-20	0.063	No	-
Cobalt	mg/L	11	54.5%	-12	0.1908	No	-

Mann-Kendall Trend Test Report for all November 1998 Detections

Site: Closed Sanitary Ladfill **Data Group:** Nov98 Detections
Program: Alexander County Groundwater Monitori **Page** 1

Parameter Statistically	Unit Direction	Size	%NDs	S Value	Tabular	Value Trend	Significant
Vanadium	mg/L	11	63.6%	-21	0.06	No	-
Pesticides							
BHC-Gamma	µg/L	2	50.0%	1	0	Yes	Upward
Volatile Organic Compounds							
1,1-Dichloroethane	µg/L	11	0.0%	0	0.5335	No	-
Benzene	µg/L	11	90.9%	3	0.44	No	-
Chloroethane	µg/L	11	81.8%	-15	0.141	No	-
cis-1,2-Dichloroethene	µg/L	11	90.9%	3	0.44	No	-
MW-1A							
Metals							
Barium	mg/L	11	27.3%	2	0.4686	No	-
Beryllium	mg/L	11	63.6%	-8	0.2893	No	-
Chromium	mg/L	11	9.1%	1	0.5	No	-
Cobalt	mg/L	11	0.0%	-17	0.109	No	-
Copper	mg/L	11	54.5%	-9	0.271	No	-
Lead	mg/L	11	36.4%	2	0.4686	No	-
Nickel	mg/L	11	45.5%	0	0.5335	No	-
Vanadium	mg/L	11	36.4%	-8	0.2893	No	-
Zinc	mg/L	11	9.1%	-3	0.44	No	-
Volatile Organic Compounds							
Xylenes - Total	µg/L	11	90.9%	3	0.44	No	-

End of report

Laboratory Data

Pace Analytical

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Fax: 704-875-9091

December 10, 1998

MUNICIPAL ENGINEERING
RECEIVED
DEC 14 1998
SERVICES COMPANY

Mr. Rick Allison
Municipal Engineering Sevices
P.O. Box 97
Garner, NC 27529

RE: Pace Project Number: 922991
Client Project ID: Alexander / G97

Dear Mr. Allison:

Enclosed are the results of analyses for sample(s) received by the laboratory on November 19, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kelly Wallace

for Ron Kerr
Project Manager

Enclosures

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Pace Analytical

DATE: 12/10/98
PAGE: 1

Municipal Engineering Sevices
P.O. Box 97
Garner, NC 27529

Pace Project Number: 922991
Client Project ID: Alexander / G97

Attn: Mr. Rick Allison
Phone: (919)772-5393

Solid results are reported on a wet weight basis

Pace Sample No: 92211622
Client Sample ID: MW-1

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3010		
Barium	0.03	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	ND	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	ND	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace	Method: EPA 7041				Prep Method: EPA 3020		
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace	Method: EPA 7060				Prep Method: EPA 3020		
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
Beryllium, AAS Furnace	Method: EPA 7091				Prep Method: EPA 3020		
Beryllium	ND	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace	Method: EPA 7131				Prep Method: EPA 3020		
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace	Method: EPA 7191				Prep Method: EPA 3020		
Chromium	0.0023	mg/L	0.002	12/04/98	JAS	7440-47-3	
Date Digested				12/02/98			

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Fax: 704-875-9091

Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211622
Client Sample ID: MW-1

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Cobalt, AAS Furnace	Method: EPA 7201				Prep Method: EPA 3020		
Cobalt	0.0088	mg/L	0.002	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace	Method: EPA 7421				Prep Method: EPA 3020		
Lead	ND	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace	Method: EPA 7740				Prep Method: EPA 3020		
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.0075	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081				Prep Method: EPA 3510		
alpha-BHC	ND	ug/L	0.05	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	0.055	ug/L	0.05	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.05	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.05	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.1	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.1	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.1	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.02	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.06	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.1	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.1	12/05/98	MSF	72-54-8	

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211622
Client Sample ID: MW-1

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Endrin aldehyde	ND	ug/L	0.1	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.1	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.1	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.5	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.2	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	118	%		12/05/98	MSF	877-09-8	
Decachlorobiphenyl (S)	82	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
Organochlorine PCBs		Method: EPA 8082			Prep Method: EPA 3510		
PCB-1016 (Arochlor 1016)	ND	ug/L	1	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	82	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
Chlorinated Herbicides		Method: EPA 8151			Prep Method: EPA 3510		
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	88	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211630
Client Sample ID: MW-1A

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP — Method: EPA 6010 — Prep Method: EPA 3010							
Barium	0.83	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	0.16	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	0.19	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.25	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace — Method: EPA 7041 — Prep Method: EPA 3020							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace — Method: EPA 7060 — Prep Method: EPA 3020							
Arsenic	ND	mg/L	0.02	12/07/98	TYM	7440-38-2	1
Date Digested				12/02/98			
Beryllium, AAS Furnace — Method: EPA 7091 — Prep Method: EPA 3020							
Beryllium	0.0043	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace — Method: EPA 7131 — Prep Method: EPA 3020							
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace — Method: EPA 7191 — Prep Method: EPA 3020							
Chromium	0.41	mg/L	0.02	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace — Method: EPA 7201 — Prep Method: EPA 3020							
Cobalt	0.083	mg/L	0.004	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace — Method: EPA 7421 — Prep Method: EPA 3020							
Lead	0.075	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace — Method: EPA 7740 — Prep Method: EPA 3020							

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Pace Analytical

DATE: 12/10/98

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211630
Client Sample ID: MW-1A
Date Collected: 11/18/98
Date Received: 11/19/98
Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.27	mg/L	0.05	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211648
Client Sample ID: MW-3

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3010		
Barium	0.27	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	0.07	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	0.70	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.078	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace	Method: EPA 7041				Prep Method: EPA 3020		
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace	Method: EPA 7060				Prep Method: EPA 3020		
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
Beryllium, AAS Furnace	Method: EPA 7091				Prep Method: EPA 3020		
Beryllium	0.0026	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace	Method: EPA 7131				Prep Method: EPA 3020		
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace	Method: EPA 7191				Prep Method: EPA 3020		
Chromium	0.15	mg/L	0.008	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace	Method: EPA 7201				Prep Method: EPA 3020		
Cobalt	0.023	mg/L	0.002	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace	Method: EPA 7421				Prep Method: EPA 3020		
Lead	0.14	mg/L	0.01	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace	Method: EPA 7740				Prep Method: EPA 3020		

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211648
Client Sample ID: MW-3

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.063	mg/L	0.01	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081				Prep Method: EPA 3510		
alpha-BHC	ND	ug/L	0.066	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.066	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.066	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.066	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.066	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.066	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.13	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.13	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.13	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.026	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.079	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.13	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.13	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.13	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.13	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.13	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.66	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.26	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2.6	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	123	%		12/05/98	MSF	877-09-8	
Decachlorobiphenyl (S)	86	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211648
Client Sample ID: MW-3

Date Collected: 11/18/98
Date Received: 11/19/98
Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
		Method: EPA 8082			Prep Method: EPA 3510		
Organochlorine PCBs							
PCB-1016 (Arochlor 1016)	ND	ug/L	1.3	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1.3	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1.3	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1.3	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1.3	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1.3	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1.3	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	86	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
		Method: EPA 8151			Prep Method: EPA 3510		
Chlorinated Herbicides							
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	76	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211655
Client Sample ID: MW-4R

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP — Method: EPA 6010 — Prep Method: EPA 3010							
Barium	0.13	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	0.014	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.046	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace — Method: EPA 7041 — Prep Method: EPA 3020							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace — Method: EPA 7060 — Prep Method: EPA 3020							
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
Beryllium, AAS Furnace — Method: EPA 7091 — Prep Method: EPA 3020							
Beryllium	ND	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace — Method: EPA 7131 — Prep Method: EPA 3020							
Cadmium	0.0029	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace — Method: EPA 7191 — Prep Method: EPA 3020							
Chromium	0.012	mg/L	0.002	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace — Method: EPA 7201 — Prep Method: EPA 3020							
Cobalt	0.36	mg/L	0.02	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace — Method: EPA 7421 — Prep Method: EPA 3020							
Lead	0.0066	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace — Method: EPA 7740 — Prep Method: EPA 3020							

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211655
Client Sample ID: MW-4R

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.014	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081				Prep Method: EPA 3510		
alpha-BHC	0.39	ug/L	0.05	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	0.11	ug/L	0.05	12/05/98	MSF	58-89-9	2
delta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.05	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.05	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.1	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.1	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.1	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.02	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.06	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.1	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.1	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.1	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.1	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.1	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.5	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.2	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	213	%		12/05/98	MSF	877-09-8	3
Decachlorobiphenyl (S)	116	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211655
Client Sample ID: MW-4R

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Organochlorine PCBs		Method: EPA 8082			Prep Method: EPA 3510		
PCB-1016 (Arochlor 1016)	ND	ug/L	1	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	116	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
Chlorinated Herbicides		Method: EPA 8151			Prep Method: EPA 3510		
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	83	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211663
Client Sample ID: MW-5

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP — Method: EPA 6010 — Prep Method: EPA 3010							
Barium	2.8	mg/L	0.05	12/09/98	AB1	7440-39-3	
Copper	1.2	mg/L	0.05	12/09/98	AB1	7440-50-8	
Nickel	1.5	mg/L	0.25	12/09/98	AB1	7440-02-0	
Tin	ND	mg/L	1	12/09/98	AB1	7440-31-5	
Zinc	2.1	mg/L	0.05	12/09/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace — Method: EPA 7041 — Prep Method: EPA 3020							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace — Method: EPA 7060 — Prep Method: EPA 3020							
Arsenic	0.026	mg/L	0.02	12/07/98	TYM	7440-38-2	1
Date Digested				12/02/98			
Beryllium, AAS Furnace — Method: EPA 7091 — Prep Method: EPA 3020							
Beryllium	0.078	mg/L	0.025	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace — Method: EPA 7131 — Prep Method: EPA 3020							
Cadmium	0.0049	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace — Method: EPA 7191 — Prep Method: EPA 3020							
Chromium	1.5	mg/L	0.1	12/07/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace — Method: EPA 7201 — Prep Method: EPA 3020							
Cobalt	0.85	mg/L	0.1	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace — Method: EPA 7421 — Prep Method: EPA 3020							
Lead	0.28	mg/L	0.02	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace — Method: EPA 7740 — Prep Method: EPA 3020							

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211663
Client Sample ID: MW-5

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761			Prep Method: EPA 3020			
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841			Prep Method: EPA 3020			
Thallium	0.0058	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911			Prep Method: EPA 3020			
Vanadium	1.7	mg/L	0.3	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081			Prep Method: EPA 3510			
alpha-BHC	ND	ug/L	0.066	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.066	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.066	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.066	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.066	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.066	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.13	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.13	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.13	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.026	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.079	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.13	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.13	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.13	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.13	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.13	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.66	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.26	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2.6	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	162	%		12/05/98	MSF	877-09-8	
Decachlorobiphenyl (S)	49	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211663
Client Sample ID: MW-5

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Organochlorine PCBs		Method: EPA 8082			Prep Method: EPA 3510		
PCB-1016 (Arochlor 1016)	ND	ug/L	1.3	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1.3	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1.3	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1.3	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1.3	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1.3	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1.3	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	49	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
Chlorinated Herbicides		Method: EPA 8151			Prep Method: EPA 3510		
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	73	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211671
Client Sample ID: MW-6

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP	Method: EPA 6010				Prep Method: EPA 3010		
Barium	0.87	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	0.091	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	0.16	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.14	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace	Method: EPA 7041				Prep Method: EPA 3020		
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace	Method: EPA 7060				Prep Method: EPA 3020		
Arsenic	ND	mg/L	0.02	12/07/98	TYM	7440-38-2	1
Date Digested				12/02/98			
Beryllium, AAS Furnace	Method: EPA 7091				Prep Method: EPA 3020		
Beryllium	0.0025	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace	Method: EPA 7131				Prep Method: EPA 3020		
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace	Method: EPA 7191				Prep Method: EPA 3020		
Chromium	0.26	mg/L	0.01	12/04/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace	Method: EPA 7201				Prep Method: EPA 3020		
Cobalt	0.11	mg/L	0.004	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace	Method: EPA 7421				Prep Method: EPA 3020		
Lead	0.025	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace	Method: EPA 7740				Prep Method: EPA 3020		

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211671
Client Sample ID: MW-6

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.13	mg/L	0.02	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081				Prep Method: EPA 3510		
alpha-BHC	ND	ug/L	0.05	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.05	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.05	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.05	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.1	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.1	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.1	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.02	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.06	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.1	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.1	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.1	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.1	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.1	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.5	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.2	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	118	%		12/05/98	MSF	877-09-8	
Decachlorobiphenyl (S)	77	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211671
Client Sample ID: MW-6

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Organochlorine PCBs		Method: EPA 8082			Prep Method: EPA 3510		
PCB-1016 (Arochlor 1016)	ND	ug/L	1	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	77	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
Chlorinated Herbicides		Method: EPA 8151			Prep Method: EPA 3510		
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	78	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211689
Client Sample ID: MW-7

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP — Method: EPA 6010 — Prep Method: EPA 3010							
Barium	0.034	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	0.018	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.044	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace — Method: EPA 7041 — Prep Method: EPA 3020							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace — Method: EPA 7060 — Prep Method: EPA 3020							
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
Beryllium, AAS Furnace — Method: EPA 7091 — Prep Method: EPA 3020							
Beryllium	0.0012	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace — Method: EPA 7131 — Prep Method: EPA 3020							
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace — Method: EPA 7191 — Prep Method: EPA 3020							
Chromium	0.019	mg/L	0.002	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace — Method: EPA 7201 — Prep Method: EPA 3020							
Cobalt	0.0077	mg/L	0.002	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace — Method: EPA 7421 — Prep Method: EPA 3020							
Lead	ND	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace — Method: EPA 7740 — Prep Method: EPA 3020							

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211689
Client Sample ID: MW-7

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761			Prep Method: EPA 3020			
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841			Prep Method: EPA 3020			
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911			Prep Method: EPA 3020			
Vanadium	0.02	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081			Prep Method: EPA 3510			
alpha-BHC	0.63	ug/L	0.05	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	ND	ug/L	0.05	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.05	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.05	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.05	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.1	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.1	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.1	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.02	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.06	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.1	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.1	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.1	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.1	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.1	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.5	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.2	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	285	%		12/05/98	MSF	877-09-8	3
Decachlorobiphenyl (S)	76	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211689
Client Sample ID: MW-7

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
		Method: EPA 8082			Prep Method: EPA 3510		
Organochlorine PCBs							
PCB-1016 (Arochlor 1016)	ND	ug/L	1	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	76	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
		Method: EPA 8151			Prep Method: EPA 3510		
Chlorinated Herbicides							
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	81	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211697
Client Sample ID: MW-8

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
Metals, ICP — Method: EPA 6010 — Prep Method: EPA 3010							
Barium	0.12	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	ND	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	0.019	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
Antimony, AAS Furnace — Method: EPA 7041 — Prep Method: EPA 3020							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
Arsenic, AAS Furnace — Method: EPA 7060 — Prep Method: EPA 3020							
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
Beryllium, AAS Furnace — Method: EPA 7091 — Prep Method: EPA 3020							
Beryllium	ND	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
Cadmium, AAS Furnace — Method: EPA 7131 — Prep Method: EPA 3020							
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
Chromium Furnace — Method: EPA 7191 — Prep Method: EPA 3020							
Chromium	0.0068	mg/L	0.002	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
Cobalt, AAS Furnace — Method: EPA 7201 — Prep Method: EPA 3020							
Cobalt	0.0081	mg/L	0.002	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
Lead, AAS Furnace — Method: EPA 7421 — Prep Method: EPA 3020							
Lead	ND	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
Selenium, AAS Furnace — Method: EPA 7740 — Prep Method: EPA 3020							

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211697
Client Sample ID: MW-8

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	0.0096	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			
GC -- Semi-VOA							
Organochlorine Pesticides	Method: EPA 8081				Prep Method: EPA 3510		
alpha-BHC	0.068	ug/L	0.056	12/05/98	MSF	319-84-6	
beta-BHC	ND	ug/L	0.056	12/05/98	MSF	319-85-7	
gamma-BHC (Lindane)	0.063	ug/L	0.056	12/05/98	MSF	58-89-9	
delta-BHC	ND	ug/L	0.056	12/05/98	MSF	319-86-8	
Heptachlor	ND	ug/L	0.056	12/05/98	MSF	76-44-8	
Aldrin	ND	ug/L	0.056	12/05/98	MSF	309-00-2	
Heptachlor Epoxide	ND	ug/L	0.11	12/05/98	MSF	1024-57-3	
Endosulfan I	ND	ug/L	0.11	12/05/98	MSF	959-98-8	
4,4'-DDE	ND	ug/L	0.11	12/05/98	MSF	72-55-9	
Dieldrin	ND	ug/L	0.022	12/05/98	MSF	60-57-1	
Endrin	ND	ug/L	0.067	12/05/98	MSF	72-20-8	
Endosulfan II	ND	ug/L	0.11	12/05/98	MSF	33213-65-9	
4,4'-DDD	ND	ug/L	0.11	12/05/98	MSF	72-54-8	
Endrin aldehyde	ND	ug/L	0.11	12/05/98	MSF	7421-93-4	
Endosulfan sulfate	ND	ug/L	0.11	12/05/98	MSF	1031-07-8	
4,4'-DDT	ND	ug/L	0.11	12/05/98	MSF	50-29-3	
Methoxychlor	ND	ug/L	0.56	12/05/98	MSF	72-43-5	
Chlordane (Technical)	ND	ug/L	0.22	12/05/98	MSF	57-74-9	
Toxaphene	ND	ug/L	2.2	12/05/98	MSF	8001-35-2	
Tetrachloro-meta-xylene (S)	160	%		12/05/98	MSF	877-09-8	
Decachlorobiphenyl (S)	78	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211697
Client Sample ID: MW-8

Date Collected: 11/18/98
Date Received: 11/19/98
Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
		Method: EPA 8082			Prep Method: EPA 3510		
Organochlorine PCBs							
PCB-1016 (Arochlor 1016)	ND	ug/L	1.1	12/05/98	MSF	12674-11-2	
PCB-1221 (Arochlor 1221)	ND	ug/L	1.1	12/05/98	MSF	11104-28-2	
PCB-1232 (Arochlor 1232)	ND	ug/L	1.1	12/05/98	MSF	11141-16-5	
PCB-1242 (Arochlor 1242)	ND	ug/L	1.1	12/05/98	MSF	53469-21-9	
PCB-1248 (Arochlor 1248)	ND	ug/L	1.1	12/05/98	MSF	12672-29-6	
PCB-1254 (Arochlor 1254)	ND	ug/L	1.1	12/05/98	MSF	11097-69-1	
PCB-1260 (Arochlor 1260)	ND	ug/L	1.1	12/05/98	MSF	11096-82-5	
Decachlorobiphenyl (S)	78	%		12/05/98	MSF	2051-24-3	
Date Extracted				11/23/98			
		Method: EPA 8151			Prep Method: EPA 3510		
Chlorinated Herbicides							
2,4-D	ND	ug/L	2	11/25/98	MSF	94-75-7	
2,4,5-TP(Silvex)	ND	ug/L	2	11/25/98	MSF	93-72-1	
2,4,5-T	ND	ug/L	2	11/25/98	MSF	93-76-5	
Dinoseb	ND	ug/L	1	11/25/98	MSF	88-85-7	
Dichlorophenyl Acetic Acid (S)	80	%		11/25/98	MSF	19719-28-9	
Date Extracted				11/24/98			

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Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211705
Client Sample ID: SW-3

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
		Method: EPA 6010				Prep Method: EPA 3010	
Metals, ICP							
Barium	0.031	mg/L	0.01	11/30/98	AB1	7440-39-3	
Copper	ND	mg/L	0.01	11/30/98	AB1	7440-50-8	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-02-0	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-31-5	
Zinc	ND	mg/L	0.01	11/30/98	AB1	7440-66-6	
Date Digested				11/24/98			
		Method: EPA 7041				Prep Method: EPA 3020	
Antimony, AAS Furnace							
Antimony	ND	mg/L	0.005	12/04/98	JAS	7440-36-0	
Date Digested				12/02/98			
		Method: EPA 7060				Prep Method: EPA 3020	
Arsenic, AAS Furnace							
Arsenic	ND	mg/L	0.005	12/04/98	JAS	7440-38-2	
Date Digested				12/02/98			
		Method: EPA 7091				Prep Method: EPA 3020	
Beryllium, AAS Furnace							
Beryllium	ND	mg/L	0.001	12/07/98	TYM	7440-41-7	
Date Digested				12/02/98			
		Method: EPA 7131				Prep Method: EPA 3020	
Cadmium, AAS Furnace							
Cadmium	ND	mg/L	0.001	12/07/98	TYM	7440-43-9	
Date Digested				12/02/98			
		Method: EPA 7191				Prep Method: EPA 3020	
Chromium Furnace							
Chromium	ND	mg/L	0.00018	12/03/98	JAS	7440-47-3	
Date Digested				12/02/98			
		Method: EPA 7201				Prep Method: EPA 3020	
Cobalt, AAS Furnace							
Cobalt	0.0036	mg/L	0.002	12/04/98	JAS	7440-48-4	
Date Digested				12/02/98			
		Method: EPA 7421				Prep Method: EPA 3020	
Lead, AAS Furnace							
Lead	ND	mg/L	0.005	12/04/98	JAS	7439-92-1	
Date Digested				12/02/98			
		Method: EPA 7740				Prep Method: EPA 3020	
Selenium, AAS Furnace							

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

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KY Drinking Water 90090
TN UST List
VA Drinking Water 213

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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211705
Client Sample ID: SW-3

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
Silver by Furnace	Method: EPA 7761				Prep Method: EPA 3020		
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
Thallium, AAS Furnace	Method: EPA 7841				Prep Method: EPA 3020		
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
Vanadium, AAS Furnace	Method: EPA 7911				Prep Method: EPA 3020		
Vanadium	ND	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			

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Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211713
Client Sample ID: SW-5

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Metals							
				Prep Method: EPA 3010			
		Method: EPA 6010					
Metals, ICP				11/30/98	AB1	7440-39-3	
Barium	0.033	mg/L	0.01	11/30/98	AB1	7440-50-8	
Copper	ND	mg/L	0.01	11/30/98	AB1	7440-02-0	
Nickel	ND	mg/L	0.05	11/30/98	AB1	7440-31-5	
Tin	ND	mg/L	0.2	11/30/98	AB1	7440-66-6	
Zinc	ND	mg/L	0.01	11/24/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7041					
Antimony, AAS Furnace				12/04/98	JAS	7440-36-0	
Antimony	ND	mg/L	0.005	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7060					
Arsenic, AAS Furnace				12/04/98	JAS	7440-38-2	
Arsenic	ND	mg/L	0.005	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7091					
Beryllium, AAS Furnace				12/07/98	TYM	7440-41-7	
Beryllium	ND	mg/L	0.001	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7131					
Cadmium, AAS Furnace				12/07/98	TYM	7440-43-9	
Cadmium	ND	mg/L	0.001	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7191					
Chromium Furnace				12/03/98	JAS	7440-47-3	
Chromium	ND	mg/L	0.00067	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7201					
Cobalt, AAS Furnace				12/04/98	JAS	7440-48-4	
Cobalt	0.0072	mg/L	0.002	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7421					
Lead, AAS Furnace				12/04/98	JAS	7439-92-1	
Lead	ND	mg/L	0.00045	12/02/98			
Date Digested							
				Prep Method: EPA 3020			
		Method: EPA 7740					
Selenium, AAS Furnace							

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NC Wastewater 12
NC Drinking Water 37706
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Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

Pace Sample No: 92211713
Client Sample ID: SW-5

Date Collected: 11/18/98
Date Received: 11/19/98

Matrix: Water

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Selenium	ND	mg/L	0.005	12/04/98	JAS	7782-49-2	
Date Digested				12/02/98			
		Method: EPA 7761			Prep Method: EPA 3020		
Silver by Furnace							
Silver	ND	mg/L	0.002	12/04/98	JAS	7440-22-4	
Date Digested				12/02/98			
		Method: EPA 7841			Prep Method: EPA 3020		
Thallium, AAS Furnace							
Thallium	ND	mg/L	0.002	12/04/98	JAS	7440-28-0	
Date Digested				12/02/98			
		Method: EPA 7911			Prep Method: EPA 3020		
Vanadium, AAS Furnace							
Vanadium	ND	mg/L	0.005	12/03/98	JAS	7440-62-2	
Date Digested				12/02/98			

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Pace Project Number: 922991
Client Project ID: Alexander / G97

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate
[1]	Elevated quantitation limits resulting from matrix interference.
[2]	Could not be confirmed on secondary column due to matrix interference.
[3]	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining surrogate.

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QUALITY CONTROL DATA

DATE: 12/10/98

Municipal Engineering Sevices
P.O. Box 97
Garner, NC 27529

Pace Project Number: 922991
Client Project ID: Alexander / G97

Attn: Mr. Rick Allison
Phone: (919)772-5393

QC Batch ID: 5596
Analysis Method: EPA 8081
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

QC Batch Method: EPA 3510
Analysis Description: Organochlorine Pesticides

METHOD BLANK: 92214279
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

Parameter	Units	Method Blank Result	PRL	Footnotes
alpha-BHC	ug/L	ND	0.05	
beta-BHC	ug/L	ND	0.05	
gamma-BHC (Lindane)	ug/L	ND	0.05	
delta-BHC	ug/L	ND	0.05	
Heptachlor	ug/L	ND	0.05	
Aldrin	ug/L	ND	0.05	
Heptachlor Epoxide	ug/L	ND	0.1	
Endosulfan I	ug/L	ND	0.1	
4,4'-DDE	ug/L	ND	0.1	
Dieldrin	ug/L	ND	0.02	
Endrin	ug/L	ND	0.06	
Endosulfan II	ug/L	ND	0.1	
4,4'-DDD	ug/L	ND	0.1	
Endrin aldehyde	ug/L	ND	0.1	
Endosulfan sulfate	ug/L	ND	0.1	
4,4'-DDT	ug/L	ND	0.1	
Methoxychlor	ug/L	ND	0.5	
Chlordane (Technical)	ug/L	ND	0.2	
Toxaphene	ug/L	ND	2	
Tetrachloro-meta-xylene (S)	%	108		
Decachlorobiphenyl (S)	%	74		

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QUALITY CONTROL DATA

Pace Project Number: 922991
Client Project ID: Alexander / G97

SAMPLE DUPLICATE: 92204502

Parameter	Units	92204429	Dup. Result	RPD	Footnotes
alpha-BHC	ug/L	ND	ND	NC	
beta-BHC	ug/L	ND	ND	NC	
gamma-BHC (Lindane)	ug/L	ND	ND	NC	
delta-BHC	ug/L	ND	ND	NC	
Heptachlor	ug/L	ND	ND	NC	
Aldrin	ug/L	ND	ND	NC	
Heptachlor Epoxide	ug/L	ND	ND	NC	
Endosulfan I	ug/L	ND	ND	NC	
4,4'-DDE	ug/L	ND	ND	NC	
Dieldrin	ug/L	ND	ND	NC	
Endrin	ug/L	ND	ND	NC	
Endosulfan II	ug/L	ND	ND	NC	
4,4'-DDD	ug/L	ND	ND	NC	
Endrin aldehyde	ug/L	ND	ND	NC	
Endosulfan sulfate	ug/L	ND	ND	NC	
4,4'-DDT	ug/L	ND	ND	NC	
Methoxychlor	ug/L	ND	ND	NC	
Chlordane (Technical)	ug/L	ND	ND	NC	
Toxaphene	ug/L	ND	ND	NC	
Tetrachloro-meta-xylene (S)	%	118	100	0	
Decachlorobiphenyl (S)	%	112	72	0	

SAMPLE DUPLICATE: 92207505

Parameter	Units	92207372	Dup. Result	RPD	Footnotes
alpha-BHC	ug/L	0.2300	0.2200	4	
beta-BHC	ug/L	ND	ND	NC	
gamma-BHC (Lindane)	ug/L	ND	ND	NC	
delta-BHC	ug/L	ND	ND	NC	
Heptachlor	ug/L	0.06800	0.07100	5	
Aldrin	ug/L	0.07300	0.06800	7	
Heptachlor Epoxide	ug/L	ND	ND	NC	
Endosulfan I	ug/L	ND	ND	NC	
4,4'-DDE	ug/L	ND	ND	NC	
Dieldrin	ug/L	ND	ND	NC	
Endrin	ug/L	ND	ND	NC	
Endosulfan II	ug/L	ND	ND	NC	
4,4'-DDD	ug/L	ND	ND	NC	
Endrin aldehyde	ug/L	ND	ND	NC	

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QUALITY CONTROL DATA

Pace Project Number: 922991
Client Project ID: Alexander / G97

SAMPLE DUPLICATE: 92207505

Parameter	Units	92207372	Dup. Result	RPD	Footnotes
Endosulfan sulfate	ug/L	ND	ND	NC	
4,4'-DDT	ug/L	ND	ND	NC	
Methoxychlor	ug/L	0.5100	ND	NC	
Chlordane (Technical)	ug/L	ND	ND	NC	
Toxaphene	ug/L	ND	ND	NC	
Tetrachloro-meta-xylene (S)	%	79	77	0	
Decachlorobiphenyl (S)	%	71	23	0	

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DATE: 12/10/98

Municipal Engineering Sevices
P.O. Box 97
Garner, NC 27529

Pace Project Number: 922991
Client Project ID: Alexander / G97

Attn: Mr. Rick Allison
Phone: (919)772-5393

QC Batch ID: 5856
Analysis Method: EPA 8151
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

QC Batch Method: EPA 3510
Analysis Description: Chlorinated Herbicides

METHOD BLANK: 92213149
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

Parameter	Units	Method Blank Result	PRL	Footnotes
2,4-D	ug/L	ND	2	
2,4,5-TP(Silvex)	ug/L	ND	2	
2,4,5-T	ug/L	ND	2	
Dinoseb	ug/L	ND	1	
Dichlorophenyl Acetic Acid (S)	%	77		

MATRIX SPIKE: 92213156

Parameter	Units	92207349	Spike Conc.	Matrix Spike Result	Spike % Rec	Footnotes
2,4-D	ug/L	0	5.000	4.313	86.3	
2,4,5-TP(Silvex)	ug/L	0	5.000	4.320	86.4	
2,4,5-T	ug/L	0	5.000	4.451	89.0	
Dinoseb	ug/L	0	5.000	4.266	85.3	
Dichlorophenyl Acetic Acid (S)					77	

LABORATORY CONTROL SAMPLE: 92213164

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
2,4-D	ug/L	5.000	3.876	77.5	

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QUALITY CONTROL DATA

Pace Project Number: 922991
Client Project ID: Alexander / G97

LABORATORY CONTROL SAMPLE: 92213164

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
2,4,5-TP(Silvex)	ug/L	5.000	4.198	84.0	
2,4,5-T	ug/L	5.000	4.080	81.6	
Dinoseb	ug/L	5.000	4.221	84.4	
Dichlorophenyl Acetic Acid (S)				73	

SAMPLE DUPLICATE: 92214261

Parameter	Units	92211689	Dup. Result	RPD	Footnotes
2,4-D	ug/L	ND	ND	NC	
2,4,5-TP(Silvex)	ug/L	ND	ND	NC	
2,4,5-T	ug/L	ND	ND	NC	
Dinoseb	ug/L	ND	ND	NC	
Dichlorophenyl Acetic Acid (S)	%	81	70	0	

SAMPLE DUPLICATE: 92215276

Parameter	Units	92214394	Dup. Result	RPD	Footnotes
2,4-D	ug/L	ND	ND	NC	
2,4,5-TP(Silvex)	ug/L	ND	ND	NC	
2,4,5-T	ug/L	ND	ND	NC	
Dinoseb	ug/L	ND	ND	NC	
Dichlorophenyl Acetic Acid (S)	%	81	73	0	

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DATE: 12/10/98

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Pace Project Number: 922991
Client Project ID: Alexander / G97

Attn: Mr. Rick Allison
Phone: (919)772-5393

QC Batch ID: 5893
Analysis Method: EPA 8082
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

QC Batch Method: EPA 3510
Analysis Description: Organochlorine PCBs

METHOD BLANK: 92214824
Associated Pace Samples: 92211622 92211648 92211655 92211663 92211671 92211689 92211697

Parameter	Units	Method Blank Result	PRL	Footnotes
PCB-1016 (Arochlor 1016)	ug/L	ND	1	
PCB-1221 (Arochlor 1221)	ug/L	ND	1	
PCB-1232 (Arochlor 1232)	ug/L	ND	1	
PCB-1242 (Arochlor 1242)	ug/L	ND	1	
PCB-1248 (Arochlor 1248)	ug/L	ND	1	
PCB-1254 (Arochlor 1254)	ug/L	ND	1	
PCB-1260 (Arochlor 1260)	ug/L	ND	1	
Decachlorobiphenyl (S)	%	74		

LABORATORY CONTROL SAMPLE: 92214832

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	Footnotes
PCB-1016 (Arochlor 1016)	ug/L	10	9.473	94.7	
PCB-1260 (Arochlor 1260)	ug/L	10	8.504	85.0	
Decachlorobiphenyl (S)				79	

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DATE: 12/10/98

Pace Project Number: 922991
Client Project ID: Alexander / G97

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Garner, NC 27529

Attn: Mr. Rick Allison
Phone: (919)772-5393

QC Batch ID: 5901
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: Metals, ICP
Associated Pace Samples: 92211622 92211630 92211648 92211655 92211663 92211671 92211689 92211697 92211705 92211713

METHOD BLANK: 92215011
Associated Pace Samples: 92211622 92211630 92211648 92211655 92211663 92211671 92211689 92211697 92211705 92211713

Parameter	Units	Method Blank Result	PRL	Footnotes
Barium	mg/L	ND	0.01	
Copper	mg/L	ND	0.01	
Nickel	mg/L	ND	0.05	
Tin	mg/L	ND	0.2	
Zinc	mg/L	ND	0.01	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92215029 92215037

Parameter	Units	92214451	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Barium	mg/L	0.09300	1.000	1.060	96.7	1.070	97.7	1	
Copper	mg/L	0.01400	1.000	0.9450	93.1	0.9580	94.4	1	
Nickel	mg/L	0.01200	1.000	0.9380	92.6	0.9550	94.3	2	
Tin	mg/L		1.000	0.5090		0.4850			
Zinc	mg/L	0.02800	2.000	1.870	92.1	1.900	93.6	2	

LABORATORY CONTROL SAMPLE & LCSD: 92215052 92215060

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Barium	mg/L	1.000	0.9770	97.7	0.9640	96.4	1	

Laboratory Certification IDs
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QUALITY CONTROL DATA

Pace Project Number: 922991
Client Project ID: Alexander / G97

LABORATORY CONTROL SAMPLE & LCSD: 92215052 92215060

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Copper	mg/L	1.000	0.9540	95.4	0.9410	94.1	1	
Nickel	mg/L	1.000	0.9420	94.2	0.9480	94.8	1	
Tin	mg/L	1.000	0.7880	78.8	0.7820	78.2	1	
Zinc	mg/L	2.000	1.890	94.5	1.880	94.0	1	

SAMPLE DUPLICATE: 92215045

Parameter	Units	92214469	Dup. Result	RPD	Footnotes
Barium	mg/L	0.1000	0.1000	2	
Copper	mg/L	0.01600	0.01700	6	
Nickel	mg/L	ND	ND	NC	
Tin	mg/L		ND	NC	
Zinc	mg/L	0.03100	0.02800	10	

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QUALITY CONTROL DATA

DATE: 12/10/98

Municipal Engineering Sevices
P.O. Box 97
Garner, NC 27529

Pace Project Number: 922991
Client Project ID: Alexander / G97

Attn: Mr. Rick Allison
Phone: (919)772-5393

QC Batch ID: 6067
Analysis Method: EPA 7041
Associated Pace Samples: 92211622 92211630 92211648 92211655 92211663 92211671 92211689 92211697 92211705 92211713

QC Batch Method: EPA 3020
Analysis Description: Antimony, AAS Furnace

METHOD BLANK: 92220292
Associated Pace Samples: 92211622 92211630 92211648 92211655 92211663 92211671 92211689 92211697 92211705 92211713

Parameter	Units	Method Blank Result	PRL	Footnotes
Cobalt	mg/L	ND	0.002	
Arsenic	mg/L	ND	0.005	
Chromium	mg/L	ND	0.002	
Selenium	mg/L	ND	0.005	
Vanadium	mg/L	ND	0.005	
Beryllium	mg/L	ND	0.001	
Cadmium	mg/L	ND	0.001	
Lead	mg/L	ND	0.005	
Thallium	mg/L	ND	0.002	
Silver	mg/L	ND	0.002	
Antimony	mg/L	ND	0.005	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92220300 92220318

Parameter	Units	92214451	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Selenium	mg/L	0	0.0250	0.002800	11.2	0.002800	11.2	0	1,1
Cobalt	mg/L	0.004900	0.0250	0.02890	96.0	0.02920	97.2	1	
Silver	mg/L	0	0.0100	0.008600	86.0	0.008800	88.0	2	
Lead	mg/L	0.007300	0.0250	0.03990	130	0.03920	128	2	2,2
Arsenic	mg/L	0	0.0250	0.01880	75.2	0.02050	82.0	9	1
Cadmium	mg/L	0	0.0030	0.003430	114	0.003450	115	1	

Laboratory Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006

REPORT OF LABORATORY ANALYSIS

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Laboratory Certification IDs
KY Drinking Water 90090
TN UST List
VA Drinking Water 213

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Tel: 704-875-9092
Fax: 704-875-9091

Pace Analytical

QUALITY CONTROL DATA

DATE: 12/10/98

Pace Project Number: 922991
Client Project ID: Alexander / G97

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 92220300 92220318

Parameter	Units	92214451	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Beryllium	mg/L	0.001010	0.0030	0.005150	138	0.005100	136	1	1,1
Vanadium	mg/L	0.04380	0.0250	0.07000	105	0.07210	113	8	
Thallium	mg/L	0	0.0250	0.02120	84.8	0.01980	79.2	7	
Chromium	mg/L	0.02970	0.0250	0.05030	82.4	0.05060	83.6	1	
Antimony	mg/L	0	0.0250	0.01260	50.4	0.01370	54.8	8	1,1

LABORATORY CONTROL SAMPLE & LCSD: 92220334 92220342

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Cobalt	mg/L	0.0250	0.02660	106	0.02590	104	2	
Arsenic	mg/L	0.0250	0.02690	108	0.02610	104	4	
Selenium	mg/L	0.0250	0.02310	92.4	0.02220	88.8	4	
Chromium	mg/L	0.0250	0.02720	109	0.02610	104	5	
Vanadium	mg/L	0.0250	0.02570	103	0.02490	99.6	3	
Beryllium	mg/L	0.0030	0.003300	110	0.003180	106	4	
Cadmium	mg/L	0.0030	0.003090	103	0.003050	102	1	
Lead	mg/L	0.0250	0.03010	120	0.02900	116	3	
Thallium	mg/L	0.0250	0.02510	100	0.02620	105	5	
Silver	mg/L	0.0100	0.01020	102	0.01050	105	3	
Antimony	mg/L	0.0250	0.02700	108	0.02400	96.0	12	

SAMPLE DUPLICATE: 92220326

Parameter	Units	92214469	Dup. Result	RPD	Footnotes
Beryllium	mg/L	0.001000	0.001160	12	
Cadmium	mg/L	ND	ND	NC	
Selenium	mg/L	ND	ND	NC	
Chromium	mg/L	0.03100	0.03320	7	
Vanadium	mg/L	0.04700	0.04960	6	
Lead	mg/L	0.008900	0.009200	3	
Antimony	mg/L	ND	ND	NC	
Arsenic	mg/L	ND	ND	NC	
Thallium	mg/L	ND	ND	NC	
Silver	mg/L	ND	ND	NC	
Cobalt	mg/L	0.005900	0.006900	16	

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Fax: 704-875-9091

Pace Analytical

Pace Project Number: 922991
Client Project ID: Alexander / G97

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
[2]	The surrogate and/or spike recovery was outside acceptance limits.

Subcontract Supporting Data

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Project: 922991
Project Name: ALEXANDER
Sampler:

Lab Number: 98-A146163
Sample ID: MW-1
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 14:05
Date Received: 11/21/98
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	52.	10.	1	11/27/98	17:28	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Diallate	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	21.	20.	1	11/27/98	17:28	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-4144163
Sample ID: MW-1

Page 2

Analyte	Result	Units	Report Limit	Base Limit	Dil. Factor	Date	Time	Analyst	Method	MDL
1,3-Dinitrobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
1,4-Dinitrobenzene	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,4-Dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Di-n-octyl phthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Disulfoton	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Fluoranthene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	10	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
Hexachlorophene	ND	ug/l	52	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Indeno(1,2,3-cd)pyrene	ND	ug/l	10	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Isophorone	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Methapyrilene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
3-Methylcholanthrene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Methylmethanesulfonate	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Methylnaphthalene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
1,4-Naphthoquinone	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
1-Naphthylamine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Naphthylamine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
1-Nitrophenol	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	52	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosodiethylamine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitroso-Di-n-Propylamine	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	10.	10	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	52.	50	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosopiperidine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
N-nitrosopyrrolidine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Pentachlorobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Pentachloronitrobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	4839

COPY 3

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2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146163
Sample ID: MW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Phenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
Safrole	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	11/27/98	17:28	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	11/27/98	17:28	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	52.	50.	1	11/27/98	17:28	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	6497
Benzene	3	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Chloroethane	5.7	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146163
Sample ID: MW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1-Dichloroethane	15.1	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
cis-1,2-Dichloroethene	4.9	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	6497
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
2-Hexanone	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	6497
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	4602
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	6497
Propionitrile	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	4602
Styrene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	5:39	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	6497
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	5:39	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	5:39	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146163
Sample ID: MW-1

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	970. ml	1.0 ml	11/24/98	Schueikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	109.	70. - 131.
VOA Surrogate, Toluene d8	89.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 119.
VOA Surrogate, Dibromofluoromethane	93.	72. - 130.
surr-Nitrobenzene-d5	64.	35. - 115.
surr-2-Fluorobiphenyl	68.	28. - 116.
surr-Terphenyl d14	76.	20. - 130.
surr-Phenol d5	26.	10. - 110.
surr-2-Fluorophenol	40.	20. - 110.
surr-2,4,6-Tribromophenol	88.	10. - 123.

Report Approved By: Danny Hale Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146170
Sample ID: MW-1A
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 13:45
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146170
Sample ID: MW-1A

Analyte	Result	Units	Report Limit	Avan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	10:22	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Xylenes	7.4	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	10:22	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	10:22	S. Wani	8260B	4602

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	109.	70. - 131.
VOA Surrogate, Toluene d8	87.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	91.	73. - 119.
VOA Surrogate, Dibromofluoromethane	100.	72. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146164
Sample ID: MW-3
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 10:00
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	58.	10.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Diallate	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	23.	20.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	23.	20.	1	11/27/98	18:04	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146164
Sample ID: MW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Famphur	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Isosafrole	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2-Methylnaphthalene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
3-Nitroaniline	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146164
Sample ID: MW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Phenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
Safrole	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	29.	25.	1	11/27/98	18:04	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	12.	10.	1	11/27/98	18:04	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	58.	50.	1	11/27/98	18:04	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	6497
Benzene	5.7	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Carbon disulfide	6.7	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Chloroethane	9.7	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,4-Dichlorobenzene	4.6	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146164
Sample ID: MW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
cis-1,2-Dichloroethene	15.8	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Ethylbenzene	2	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	6497
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
2-Hexanone	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	6497
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	4602
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	6497
Propionitrile	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	4602
Styrene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	6:19	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Xylenes	12.8	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	6497
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	6:19	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	6:19	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146164
Sample ID: MW-3

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	860. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	99.	70. - 131.
VOA Surrogate, Toluene d8	84.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	92.	73. - 119.
VOA Surrogate, Dibromofluoromethane	86.	72. - 130.
surr-Nitrobenzene-d5	56.	35. - 115.
surr-2-Fluorobiphenyl	60.	28. - 116.
surr-Terphenyl d14	72.	20. - 130.
surr-Phenol d5	25.	10. - 110.
surr-2-Fluorophenol	38.	20. - 110.
surr-2,4,6-Tribromophenol	86.	10. - 123.

Report Approved By: Danny Hale Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146165
Sample ID: MW-4R
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 12:00
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	55.	10.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Diallate	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	22.	20.	1	11/27/98	18:40	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146165
Sample ID: MW-4R

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Famphur	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2-Methylnaphthalene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146165
Sample ID: MW-4R

Analyte	Result	Units	Report Limit	Room Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Phenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
Safrole	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	11/27/98	18:40	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	11/27/98	18:40	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	55.	50.	1	11/27/98	18:40	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	6497
Benzene	2.3	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Chloroethane	7.6	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	6497
Chloroprene	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	4602
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146165
Sample ID: MW-4R

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1-Dichloroethane	10.1	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	7:00	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	7:00	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	7:00	S. Wani	8260B	4602

ND = Not detected at the report limit.

COPY 1

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2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146165
Sample ID: MW-4R

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	910. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	105.	70. - 131.
VOA Surrogate, Toluene d8	86.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	92.	73. - 119.
VOA Surrogate, Dibromofluoromethane	91.	72. - 130.
surr-Nitrobenzene-d5	70.	35. - 115.
surr-2-Fluorobiphenyl	79.	28. - 116.
surr-Terphenyl d14	77.	20. - 130.
surr-Phenol d5	33.	10. - 110.
surr-2-Fluorophenol	49.	20. - 110.
surr-2,4,6-Tribromophenol	108.	10. - 123.

Report Approved By: _____ Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146166
Sample ID: MW-5
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 12:20
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	52.	10.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Diallate	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	20.	20.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	21.	20.	1	11/27/98	19:17	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146166
Sample ID: MW-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Famphur	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2-Methylnaphthalene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146166
Sample ID: MW-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Phenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
Safrole	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	25.	25.	1	11/27/98	19:17	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	10.	10.	1	11/27/98	19:17	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	52.	50.	1	11/27/98	19:17	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	6507
Acrolein	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	6507
Benzene	2.5	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	6507
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146166
Sample ID: MW-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1-Dichloroethane	11.2	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	6507
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
2-Hexanone	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	6507
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	6507
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	6507
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	4602
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	6507
Propionitrile	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	4602
Styrene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	7:40	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	6507
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	7:40	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	7:40	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146166
Sample ID: MW-5

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	960. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	109.	70. - 131.
VOA Surrogate, Toluene d8	91.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	89.	73. - 119.
VOA Surrogate, Dibromofluoromethane	95.	72. - 130.
surr-Nitrobenzene-d5	54.	35. - 115.
surr-2-Fluorobiphenyl	60.	28. - 116.
surr-Terphenyl d14	69.	20. - 130.
surr-Phenol d5	23.	10. - 110.
surr-2-Fluorophenol	36.	20. - 110.
surr-2,4,6-Tribromophenol	85.	10. - 123.

Report Approved By: Danny Hale Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146167
Sample ID: MW-6
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 10:45
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	56.	10.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Diallate	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	22.	20.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	22.	20.	1	11/27/98	19:54	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146167
Sample ID: MW-6

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Famphur	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2-Methylnaphthalene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146167
Sample ID: MW-6

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Phenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
Safrole	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	28.	25.	1	11/27/98	19:54	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	11.	10.	1	11/27/98	19:54	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	56.	50.	1	11/27/98	19:54	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146167
Sample ID: MW-6

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
cis-1,2-Dichloroethene	6.5	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	6497
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
2-Hexanone	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	6497
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	4602
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	6497
Propionitrile	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	4602
Styrene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	8:21	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	6497
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	8:21	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	8:21	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146167
Sample ID: MW-6

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	900. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	110.	70. - 131.
VOA Surrogate, Toluene d8	90.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	93.	73. - 119.
VOA Surrogate, Dibromofluoromethane	100.	72. - 130.
surr-Nitrobenzene-d5	66.	35. - 115.
surr-2-Fluorobiphenyl	72.	28. - 116.
surr-Terphenyl d14	76.	20. - 130.
surr-Phenol d5	29.	10. - 110.
surr-2-Fluorophenol	45.	20. - 110.
surr-2,4,6-Tribromophenol	97.	10. - 123.

Report Approved By: _____ Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146168
Sample ID: MW-7
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 10:20
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	56.	10.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Diallate	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	22.	20.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	22.	20.	1	11/27/98	20:30	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146168
Sample ID: MW-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Fanphur	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2-Methylnaphthalene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146168
Sample ID: MW-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Phenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
Safrole	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	28.	25.	1	11/27/98	20:30	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	11.	10.	1	11/27/98	20:30	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	56.	50.	1	11/27/98	20:30	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146168
Sample ID: MW-7

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1-Dichloroethane	8.8	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
cis-1,2-Dichloroethene	2.7	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	9:01	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	9:01	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	9:01	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146168
Sample ID: MW-7

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
BNA's	900. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	108.	70. - 131.
VOA Surrogate, Toluene d8	84.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 119.
VOA Surrogate, Dibromofluoromethane	96.	72. - 130.
surr-Nitrobenzene-d5	58.	35. - 115.
surr-2-Fluorobiphenyl	65.	28. - 116.
surr-Terphenyl d14	85.	20. - 130.
surr-Phenol d5	27.	10. - 110.
surr-2-Fluorophenol	41.	20. - 110.
surr-2,4,6-Tribromophenol	104.	10. - 123.

Report Approved By: Danny Hale Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146169
Sample ID: MW-8
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 15:00
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
EXTRACTABLE ORGANICS										
Acenaphthene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Acenaphthylene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Acetophenone	ND	ug/l	59.	10.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2-Acetylaminofluorene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
4-Aminobiphenyl	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Anthracene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Benzo(a)anthracene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Benzo(b)fluoranthene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Benzo(g,h,i)perylene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Benzo(k)fluoranthene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Bromophenyl-phenylether	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Butylbenzylphthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Chloro-3-methylphenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Chloroaniline	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Chlorbenzilate	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Bis(2-chloroethoxy)methane	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Bis(2-chloroethyl)ether	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Bis(2-chloroisopropyl)ether	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2-Chloronaphthalene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2-Chlorophenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Chlorophenyl-phenylether	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Chrysene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Diallate	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Dibenzofuran	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Dibenz(a,h)anthracene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
3,3'-Dichlorobenzidine	ND	ug/l	24.	20.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,4-Dichlorophenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,6-Dichlorophenol	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Diethylphthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Dimethoate	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
p-Dimethylaminoazobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
3,3'-Dimethylbenzidine	ND	ug/l	24.	20.	1	11/27/98	21:07	M.Goodrich	8270C	6500
7,12-Dimethylbenz(a)anthrac	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2,4-Dimethylphenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Dimethylphthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Di-n-Butylphthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4,6-Dinitro-2-methylphenol	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146169
Sample ID: MW-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,3-Dinitrobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2,4-Dinitrophenol	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,4-dinitrotoluene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,6-Dinitrotoluene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Di-n-octylphthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Diphenylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Famphur	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Fluoranthene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Fluorene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Hexachlorobenzene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Hexachlorobutadiene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Hexachlorocyclopentadiene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Hexachloroethane	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Hexachloropropene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Indeno(1,2,3-cd)pyrene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Isodrin	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Isophorone	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Isosafrole	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Methapyrilene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
3-Methylcholanthrene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Methylmethanesulfonate	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2-Methylnaphthalene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
3-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
3 and 4-Methylphenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Naphthalene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
1,4-Napthaquinone	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2-Napthylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
1-Napthylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2-Nitroaniline	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
3-Nitroaniline	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Nitroaniline	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Nitrobenzene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
5-Nitro-o-toluidine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
2-Nitrophenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
4-Nitrophenol	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
N-nitrosodibutylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
N-nitrosodiethylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
N-Nitroso-Di-n-Propylamine	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
N-Nitrosodiphenylamine	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
N-nitrosodimethylamine	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
N-nitrosomethylethylamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
N-nitrosopiperidine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
N-nitrosopyrrolidine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Pentachlorobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Pentachloronitrobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146169
Sample ID: MW-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Phenacetin	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Phenanthrene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Phenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Pronamide	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Pyrene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
Safrole	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
1,2,4,5-Tetrachlorobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Bis(2-ethylhexyl)phthalate	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,3,4,6-Tetrachlorophenol	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Thionazine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
o-Toluidine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
1,2,4-Trichlorobenzene	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,4,5-Trichlorophenol	ND	ug/l	29.	25.	1	11/27/98	21:07	M.Goodrich	8270C	4839
2,4,6-Trichlorophenol	ND	ug/l	12.	10.	1	11/27/98	21:07	M.Goodrich	8270C	4839
o,o,o-Triethylphosphorothio	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
1,3,5-Trinitrobenzene	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Benzyl alcohol	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
Ethylmethane sulfonate	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
p-Phenylenediamine	ND	ug/l	59.	50.	1	11/27/98	21:07	M.Goodrich	8270C	6500
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146169
Sample ID: MW-8

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1-Dichloroethane	7.7	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	9:42	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	9:42	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	9:42	S. Wani	8260B	4602

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146169
Sample ID: MW-8

Sample Extraction Data

Parameter	Wt/Vol Extracted	Extract Vol	Date	Analyst	Method
DRA's	850. ml	1.0 ml	11/24/98	Schweikert	3510

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	111.	70. - 131.
VOA Surrogate, Toluene d8	85.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	89.	73. - 119.
VOA Surrogate, Dibromofluoromethane	94.	72. - 130.
surr-Nitrobenzene-d5	68.	35. - 115.
surr-2-Fluorobiphenyl	77.	28. - 116.
surr-Terphenyl d14	81.	20. - 130.
surr-Phenol d5	32.	10. - 110.
surr-2-Fluorophenol	46.	20. - 110.
surr-2,4,6-Tribromophenol	102.	10. - 123.

Report Approved By: _____ Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146171
Sample ID: SW-3
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 11:35
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146171
Sample ID: SW-3

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Vingl acetate	ND	ug/l	10	10	1	11/24/98	11:03	S. Wani	8260B	4602
Vingl chloride	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	11:03	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	11:03	S. Wani	8260B	4602

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	104.	70. - 131.
VOA Surrogate, Toluene d8	89.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 119.
VOA Surrogate, Dibromofluoromethane	92.	72. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146171
Sample ID: SW-3

Report Approved By: _____ Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146172
Sample ID: SW-5
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 11:15
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146172
Sample ID: SW-5

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	11:43	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	11:43	S. Wani	8260B	6497
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	11:43	S. Wani	8260B	4602

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	108.	70. - 131.
VOA Surrogate, Toluene d8	89.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	94.	73. - 119.
VOA Surrogate, Dibromofluoromethane	94.	72. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146172
Sample ID: SW-5

Report Approved By: Danny Hale

Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Project: 922991
Project Name: ALEXANDER
Sampler:

Lab Number: 98-A146173
Sample ID: EB
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 15:30
Date Received: 11/21/98
Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146173
Sample ID: EB

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	12:24	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	6497
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	12:24	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	12:24	S. Wani	8260B	4602

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	107.	70. - 131.
VOA Surrogate, Toluene d8	88.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	92.	73. - 119.
VOA Surrogate, Dibromofluoromethane	95.	72. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 98-A146173
Sample ID: EB

Report Approved By: _____ Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
Johnny A. Mitchell, Dir. Technical Services

Laboratory Certification Number: 387

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

PACE ANALYTICAL 7228
FELICIA GROGAN
9800 KINCY AVE. STE. 100
HUNTERSVILLE, NC 28078

Lab Number: 98-A146174
Sample ID: FB
Sample Type: Ground water
Site ID:

Date Collected: 11/18/98
Time Collected: 15:30
Date Received: 11/21/98
Time Received: 9:00

Project: 922991
Project Name: ALEXANDER
Sampler:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
VOLATILE ORGANICS										
Acetone	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Acetonitrile	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	6497
Acrolein	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Acrylonitrile	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Allyl chloride	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	6497
Benzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Bromochloromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Bromoform	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Bromomethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
2-Butanone	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Carbon disulfide	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Carbon tetrachloride	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Chlorobenzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Chloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Chloroform	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Chloromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Chloroprene	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	6497
1,2-Dibromo-3-chloropropane	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Dibromochloromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,2-Dibromoethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Dibromomethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,4-Dichloro-2-butene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,2-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,3-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,4-Dichlorobenzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Dichlorodifluoromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1-Dichloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,2-Dichloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1-Dichloroethene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
cis-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
trans-1,2-Dichloroethene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,3-Dichloropropane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
2,2-Dichloropropane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1-Dichloropropene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
cis-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
trans-1,3-Dichloropropene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602

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ANALYTICAL REPORT

Laboratory Number: 98-A146174
Sample ID: FB

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Ethylbenzene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Ethyl methacrylate	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	6497
2-Hexanone	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Iodomethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Isobutyl alcohol	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	6497
Methacrylonitrile	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	6497
Methyl methacrylate	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	6497
4-Methyl-2-pentanone	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Methylene chloride	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Propionitrile	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	6497
Styrene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1,1,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1,2,2-Tetrachloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Tetrachloroethene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Toluene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1,1-Trichloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,1,2-Trichloroethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Trichloroethene	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
1,2,3-Trichloropropane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Vinyl acetate	ND	ug/l	10	10	1	11/24/98	13:05	S. Wani	8260B	4602
Vinyl chloride	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Xylenes	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	6497
Dichloroisopropylether	ND	ug/l	5	5	1	11/24/98	13:05	S. Wani	8260B	4602
Bromodichloromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602
Trichlorofluoromethane	ND	ug/l	2	2	1	11/24/98	13:05	S. Wani	8260B	4602

ND = Not detected at the report limit.

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	108.	70. - 131.
VOA Surrogate, Toluene d8	85.	83. - 115.
VOA Surrogate, 4-Bromofluorobenzene	90.	73. - 119.
VOA Surrogate, Dibromofluoromethane	94.	72. - 130.

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ANALYTICAL REPORT

Laboratory Number: 98-A146174
Sample ID: FB

Report Approved By: Danny Hale Report Date: 11/30/98

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director
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PROJECT QUALITY CONTROL DATA

Matrix Spike Recovery

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch
Acenaphthene	mg/l	< 0.0100	0.0515	0.1000	51.50	49. - 119.	4839
4-Chloro-3-methylphenol	mg/l	< 0.0100	0.0592	0.1000	59.20	50. - 124.	4839
2-Chlorophenol	mg/l	< 0.0100	0.0705	0.1000	70.50	48. - 121.	4839
2,4-dinitrotoluene	mg/l	< 0.0100	0.0613	0.1000	61.30	46. - 147.	4839
4-Nitrophenol	mg/l	< 0.0250	< 0.0250	0.1000	N/A	24. - 127.	4839
N-Nitroso-Di-n-Propylamine	mg/l	< 0.0100	< 0.0100	0.1000	N/A	38. - 148.	4839
Phenol	mg/l	< 0.0100	0.0529	0.1000	52.90	22. - 116.	4839
Pyrene	mg/l	< 0.0100	0.0482	0.1000	48.20	32. - 132.	4839
1,2,4-Trichlorobenzene	mg/l	< 0.0100	0.0586	0.1000	58.60	27. - 121.	4839
Benzene	mg/l	< 0.0020	0.0479	0.0500	95.80	58. - 135.	4602
Chlorobenzene	mg/l	< 0.0020	0.0516	0.0500	103.20	56. - 126.	4602
1,1-Dichloroethene	mg/l	< 0.0020	0.0552	0.0500	110.40	58. - 138.	4602
Toluene	mg/l	< 0.0020	0.0405	0.0500	81.00	56. - 135.	4602
Trichloroethene	mg/l	< 0.0020	0.0487	0.0500	97.40	52. - 143.	4602

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
Acenaphthene	mg/l	0.0515	0.0525	1.92	20.	4839
4-Chloro-3-methylphenol	mg/l	0.0592	0.0594	0.34	19.	4839
2-Chlorophenol	mg/l	0.0705	0.0689	2.30	19.	4839
2,4-dinitrotoluene	mg/l	0.0613	0.0625	1.94	18.	4839
4-Nitrophenol	mg/l	< 0.0250	0.0253	1.19	48.	4839
N-Nitroso-Di-n-Propylamine	mg/l	< 0.0100	0.0579	141.09*	18.	4839
Phenol	mg/l	0.0529	0.0518	2.10	20.	4839
Pyrene	mg/l	0.0482	0.0503	4.26	18.	4839
1,2,4-Trichlorobenzene	mg/l	0.0586	0.0569	2.94	20.	4839
Benzene	mg/l	0.0479	0.0537	11.42	15.	4602
Chlorobenzene	mg/l	0.0516	0.0573	10.47	19.	4602
1,1-Dichloroethene	mg/l	0.0552	0.0476	14.79	16.	4602
Toluene	mg/l	0.0405	0.0450	10.53	20.	4602
Trichloroethene	mg/l	0.0487	0.0524	7.32	22.	4602

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Acenaphthene	mg/l	0.1000	0.0838	84.	60 - 140	4839
Acenaphthylene	mg/l	0.1000	0.0907	91.	60 - 140	4839
Anthracene	mg/l	0.1000	0.0906	91.	60 - 140	4839
Benzo(a)anthracene	mg/l	0.1000	0.0971	97.	60 - 140	4839
Benzo(b)fluoranthene	mg/l	0.1000	0.1181	118.	60 - 140	4839
Benzo(g,h,i)perylene	mg/l	0.1000	0.0714	71.	60 - 140	4839
Benzo(k)fluoranthene	mg/l	0.1000	0.1213	121.	60 - 140	4839
4-Bromophenyl-phenylether	mg/l	0.1000	0.0992	99.	60 - 140	4839

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	Units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Butylbenzylphthalate	ug/l	0.1000	0.1133	113.	60 - 140	4839
4-Chloro-3-methylphenol	ug/l	0.1000	0.0868	87.	60 - 140	4839
4-Chloroaniline	ug/l	0.1000	0.0923	92.	60 - 140	4839
Bis(2-chloroethoxy)methane	ug/l	0.1000	0.0902	90.	60 - 140	4839
Bis(2-chloroethyl)ether	ug/l	0.1000	0.1137	114.	60 - 140	4839
Bis(2-chloroisopropyl)ether	ug/l	0.1000	0.1155	116.	60 - 140	4839
2-Chloronaphthalene	ug/l	0.1000	0.0885	88.	60 - 140	4839
2-Chlorophenol	ug/l	0.1000	0.1145	114.	60 - 140	4839
4-Chlorophenyl-phenylether	ug/l	0.1000	0.0924	92.	60 - 140	4839
Chrysene	ug/l	0.1000	0.1243	124.	60 - 140	4839
Dibenzofuran	ug/l	0.1000	0.0930	93.	60 - 140	4839
Dibenz(a,h)anthracene	ug/l	0.1000	0.0849	85.	60 - 140	4839
3,3'-Dichlorobenzidine	ug/l	0.1000	< 0.0400	N/A	60 - 140	4839
2,4-Dichlorophenol	ug/l	0.1000	0.0986	99.	60 - 140	4839
Diethylphthalate	ug/l	0.1000	0.0927	93.	60 - 140	4839
2,4-Dimethylphenol	ug/l	0.1000	0.0630	63.	60 - 140	4839
Dimethylphthalate	ug/l	0.1000	0.0925	92.	60 - 140	4839
Di-n-Butylphthalate	ug/l	0.1000	0.0961	96.	60 - 140	4839
4,6-Dinitro-2-methylphenol	ug/l	0.1000	0.0673	67.	60 - 140	4839
2,4-Dinitrophenol	ug/l	0.1000	< 0.0500	N/A	60 - 140	4839
2,4-dinitrotoluene	ug/l	0.1000	0.1012	101.	60 - 140	4839
2,6-Dinitrotoluene	ug/l	0.1000	0.0981	98.	60 - 140	4839
Di-n-octylphthalate	ug/l	0.1000	0.1084	108.	60 - 140	4839
Fluoranthene	ug/l	0.1000	0.0948	95.	60 - 140	4839
Fluorene	ug/l	0.1000	0.0874	87.	60 - 140	4839
Hexachlorobenzene	ug/l	0.1000	0.0980	98.	60 - 140	4839
Hexachlorobutadiene	ug/l	0.1000	0.0981	98.	60 - 140	4839
Hexachlorocyclopentadiene	ug/l	0.1000	0.0657	66.	60 - 140	4839
Hexachloroethane	ug/l	0.1000	0.0816	82.	60 - 140	4839
Indeno(1,2,3-cd)pyrene	ug/l	0.1000	0.0675	68.	60 - 140	4839
Isophorone	ug/l	0.1000	0.0834	83.	60 - 140	4839
2-Methylnaphthalene	ug/l	0.1000	0.1253	125.	60 - 140	4839
2-Methylphenol	ug/l	0.1000	0.1026	103.	60 - 140	4839
3 and 4-Methylphenol	ug/l	0.1000	0.1088	109.	60 - 140	4839
Naphthalene	ug/l	0.1000	0.1003	100.	60 - 140	4839
2-Nitroaniline	ug/l	0.1000	0.0993	99.	60 - 140	4839
3-Nitroaniline	ug/l	0.1000	0.0993	99.	60 - 140	4839
4-Nitroaniline	ug/l	0.1000	0.1066	107.	60 - 140	4839
Nitrobenzene	ug/l	0.1000	0.0862	86.	60 - 140	4839
2-Nitrophenol	ug/l	0.1000	0.0981	98.	60 - 140	4839
4-Nitrophenol	ug/l	0.1000	0.0609	61.	60 - 140	4839
N-Nitroso-Di-n-Propylamine	ug/l	0.1000	0.0957	96.	60 - 140	4839
N-Nitrosodiphenylamine	ug/l	0.1000	0.0921	92.	60 - 140	4839
N-nitrosodimethylamine	ug/l	0.1000	0.0935	94.	60 - 140	4839
Phenanthrene	ug/l	0.1000	0.0923	92.	60 - 140	4839
Phenol	ug/l	0.1000	0.0861	86.	60 - 140	4839

COPY 1

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
Pyrene	ng/l	0.1000	0.0990	99.	60 - 140	4839
Bis(2-ethylhexyl)phthalate	ng/l	0.1000	0.1229	123.	60 - 140	4839
1,2,4-Trichlorobenzene	ng/l	0.1000	0.0959	96.	60 - 140	4839
2,4,5-Trichlorophenol	ng/l	0.1000	0.0930	93.	60 - 140	4839
2,4,6-Trichlorophenol	ng/l	0.1000	0.0971	97.	60 - 140	4839
Acetone	ng/l	0.0500	0.0495	99.	70 - 130	4602
Acrolein	ng/l	0.0500	< 0.0100	N/A	70 - 130	4602
Acrylonitrile	ng/l	0.0500	0.0507	101.	70 - 130	4602
Benzene	ng/l	0.0500	0.0504	101.	70 - 130	4602
Bromochloromethane	ng/l	0.0500	0.0541	108.	70 - 130	4602
Bromoform	ng/l	0.0500	0.0432	86.	70 - 130	4602
Bromomethane	ng/l	0.0500	0.0551	110.	70 - 130	4602
2-Butanone	ng/l	0.0500	0.0550	110.	70 - 130	4602
Carbon disulfide	ng/l	0.0500	0.0594	119.	70 - 130	4602
Carbon tetrachloride	ng/l	0.05000	0.05050	101.	70 - 130	4602
Chlorobenzene	ng/l	0.0500	0.0496	99.	70 - 130	4602
Chloroethane	ng/l	0.0500	0.0493	99.	70 - 130	4602
Chloroform	ng/l	0.0500	0.0599	120.	70 - 130	4602
Chloromethane	ng/l	0.0500	0.0417	83.	70 - 130	4602
1,2-Dibromo-3-chloropropane	ng/l	0.0500	0.0420	84.	70 - 130	4602
Dibromochloromethane	ng/l	0.0500	0.0485	97.	70 - 130	4602
1,2-Dibromoethane	ng/l	0.0500	0.0486	97.	70 - 130	4602
Dibromomethane	ng/l	0.0500	0.0507	101.	70 - 130	4602
1,4-Dichloro-2-butene	ng/l	0.0500	0.0493	99.	70 - 130	4602
1,2-Dichlorobenzene	ng/l	0.0500	0.0494	99.	70 - 130	4602
1,3-Dichlorobenzene	ng/l	0.0500	0.0484	97.	70 - 130	4602
1,4-Dichlorobenzene	ng/l	0.0500	0.0496	99.	70 - 130	4602
Dichlorodifluoromethane	ng/l	0.0500	0.0362	72.	70 - 130	4602
1,1-Dichloroethane	ng/l	0.0500	0.0585	117.	70 - 130	4602
1,2-Dichloroethane	ng/l	0.0500	0.0576	115.	70 - 130	4602
1,1-Dichloroethene	ng/l	0.0500	0.0589	118.	70 - 130	4602
cis-1,2-Dichloroethene	ng/l	0.0500	0.0531	106.	70 - 130	4602
trans-1,2-Dichloroethene	ng/l	0.0500	0.0542	108.	70 - 130	4602
1,2-Dichloropropane	ng/l	0.0500	0.0550	110.	70 - 130	4602
1,3-Dichloropropane	ng/l	0.0500	0.0500	100.	70 - 130	4602
2,2-Dichloropropane	ng/l	0.0500	0.0554	111.	70 - 130	4602
1,1-Dichloropropene	ng/l	0.0500	0.0628	126.	70 - 130	4602
cis-1,3-Dichloropropene	ng/l	0.0500	0.0515	103.	70 - 130	4602
trans-1,3-Dichloropropene	ng/l	0.0500	0.0470	94.	70 - 130	4602
Ethylbenzene	ng/l	0.0500	0.0486	97.	70 - 130	4602
2-Hexanone	ng/l	0.0500	0.0518	104.	70 - 130	4602
Iodomethane	ng/l	0.0500	0.0543	109.	70 - 130	4602
4-Methyl-2-pentanone	ng/l	0.0500	0.0532	106.	70 - 130	4602
Methylene chloride	ng/l	0.0500	0.0517	103.	70 - 130	4602
Styrene	ng/l	0.0500	0.0505	101.	70 - 130	4602
1,1,1,2-Tetrachloroethane	ng/l	0.0500	0.0475	95.	70 - 130	4602

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PROJECT QUALITY CONTROL DATA

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
1,1,2,2-Tetrachloroethane	ng/l	0.0500	0.0494	99.	70 - 130	4602
Tetrachloroethene	ng/l	0.0500	0.0427	85.	70 - 130	4602
Toluene	ng/l	0.0500	0.0421	84.	70 - 130	4602
1,1,1-Trichloroethane	ng/l	0.0500	0.0595	119.	70 - 130	4602
1,1,2-Trichloroethane	ng/l	0.0500	0.0475	95.	70 - 130	4602
Trichloroethene	ng/l	0.0500	0.0483	97.	70 - 130	4602
1,2,3-Trichloropropane	ng/l	0.0500	0.0493	99.	70 - 130	4602
Vinyl acetate	ng/l	0.0500	0.0409	82.	70 - 130	4602
Vinyl chloride	ng/l	0.0500	0.0476	95.	70 - 130	4602
Xylenes	ng/l	0.1500	0.1482	99.	70 - 130	4602
Bromodichloromethane	ng/l	0.0500	0.0515	103.	70 - 130	4602
Trichlorofluoromethane	ng/l	0.0500	0.0553	111.	70 - 130	4602

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
Acenaphthene	< 0.0100	ng/l	4839
Acenaphthylene	< 0.0100	ng/l	4839
Anthracene	< 0.0100	ng/l	4839
Benzo(a)anthracene	< 0.0100	ng/l	4839
Benzo(b)fluoranthene	< 0.0100	ng/l	4839
Benzo(g,h,i)perylene	< 0.0100	ng/l	4839
Benzo(k)fluoranthene	< 0.0100	ng/l	4839
4-Bromophenyl-phenylether	< 0.0100	ng/l	4839
Butylbenzylphthalate	< 0.0100	ng/l	4839
4-Chloro-3-methylphenol	< 0.0100	ng/l	4839
4-Chloroaniline	< 0.0100	ng/l	4839
Bis(2-chloroethoxy)methane	< 0.0100	ng/l	4839
Bis(2-chloroethyl)ether	< 0.0100	ng/l	4839
Bis(2-chloroisopropyl)ether	< 0.0100	ng/l	4839
2-Chloronaphthalene	< 0.0100	ng/l	4839
2-Chlorophenol	< 0.0100	ng/l	4839
4-Chlorophenyl-phenylether	< 0.0100	ng/l	4839
Chrysene	< 0.0100	ng/l	4839
Dibenzofuran	< 0.0100	ng/l	4839
Dibenz(a,h)anthracene	< 0.0100	ng/l	4839
3,3'-Dichlorobenzidine	< 0.0200	ng/l	4839
2,4-Dichlorophenol	< 0.0100	ng/l	4839
Diethylphthalate	< 0.0100	ng/l	4839
2,4-Dimethylphenol	< 0.0100	ng/l	4839
Dimethylphthalate	< 0.0100	ng/l	4839
Di-n-Butylphthalate	< 0.0100	ng/l	4839
4,6-Dinitro-2-methylphenol	< 0.0250	ng/l	4839
2,4-Dinitrophenol	< 0.0250	ng/l	4839
2,4-dinitrotoluene	< 0.0100	ng/l	4839

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
2,6-Dinitrotoluene	< 0.0100	ng/l	4839
Di-n-octylphthalate	< 0.0100	ng/l	4839
Fluoranthene	< 0.0100	ng/l	4839
Fluorene	< 0.0100	ng/l	4839
Hexachlorobenzene	< 0.0100	ng/l	4839
Hexachlorobutadiene	< 0.0100	ng/l	4839
Hexachlorocyclopentadiene	< 0.0100	ng/l	4839
Hexachloroethane	< 0.0100	ng/l	4839
Indeno(1,2,3-cd)pyrene	< 0.0100	ng/l	4839
Isophorone	< 0.0100	ng/l	4839
2-Methylnaphthalene	< 0.0100	ng/l	4839
2-Methylphenol	< 0.0100	ng/l	4839
3 and 4-Methylphenol	< 0.0100	ng/l	4839
Naphthalene	< 0.0100	ng/l	4839
2-Nitroaniline	< 0.0250	ng/l	4839
3-Nitroaniline	< 0.0250	ng/l	4839
4-Nitroaniline	< 0.0250	ng/l	4839
Nitrobenzene	< 0.0100	ng/l	4839
2-Nitrophenol	< 0.0100	ng/l	4839
4-Nitrophenol	< 0.0250	ng/l	4839
N-Nitroso-Di-n-Propylamine	< 0.0100	ng/l	4839
N-Nitrosodiphenylamine	< 0.0100	ng/l	4839
N-nitrosodimethylamine	< 0.0100	ng/l	4839
Phenanthrene	< 0.0100	ng/l	4839
Phenol	< 0.0100	ng/l	4839
Pyrene	< 0.0100	ng/l	4839
Bis(2-ethylhexyl)phthalate	< 0.0100	ng/l	4839
1,2,4-Trichlorobenzene	< 0.0100	ng/l	4839
2,4,5-Trichlorophenol	< 0.0250	ng/l	4839
2,4,6-Trichlorophenol	< 0.0100	ng/l	4839
Acetone	< 0.0100	ng/l	4602
Acrolein	< 0.0100	ng/l	4602
Acrylonitrile	< 0.0100	ng/l	4602
Benzene	< 0.0020	ng/l	4602
Bromochloromethane	< 0.0020	ng/l	4602
Bromoform	< 0.0020	ng/l	4602
Bromomethane	< 0.0020	ng/l	4602
2-Butanone	< 0.0100	ng/l	4602
Carbon disulfide	< 0.0020	ng/l	4602
Carbon tetrachloride	< 0.00200	ng/l	4602
Chlorobenzene	< 0.0020	ng/l	4602
Chloroethane	< 0.0020	ng/l	4602
Chloroform	< 0.0020	ng/l	4602
Chloromethane	< 0.0020	ng/l	4602
1,2-Dibromo-3-chloropropane	< 0.0100	ng/l	4602
Dibromochloromethane	< 0.0020	ng/l	4602

COPY 1

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

PROJECT QUALITY CONTROL DATA

Blank Data

Analyte	Blank Value	Units	Q.C. Batch
1,2-Dibromoethane	< 0.0020	mg/l	4602
Dibromomethane	< 0.0020	mg/l	4602
1,4-Dichloro-2-butene	< 0.0020	mg/l	4602
1,2-Dichlorobenzene	< 0.0020	mg/l	4602
1,3-Dichlorobenzene	< 0.0020	mg/l	4602
1,4-Dichlorobenzene	< 0.0020	mg/l	4602
Dichlorodifluoromethane	< 0.0020	mg/l	4602
1,1-Dichloroethane	< 0.0020	mg/l	4602
1,2-Dichloroethane	< 0.0020	mg/l	4602
1,1-Dichloroethene	< 0.0020	mg/l	4602
cis-1,2-Dichloroethene	< 0.0020	mg/l	4602
trans-1,2-Dichloroethene	< 0.0020	mg/l	4602
1,2-Dichloropropane	< 0.0020	mg/l	4602
1,3-Dichloropropane	< 0.0020	mg/l	4602
2,2-Dichloropropane	< 0.0020	mg/l	4602
1,1-Dichloropropene	< 0.0020	mg/l	4602
cis-1,3-Dichloropropene	< 0.0020	mg/l	4602
trans-1,3-Dichloropropene	< 0.0020	mg/l	4602
Ethylbenzene	< 0.0020	mg/l	4602
2-Hexanone	< 0.0100	mg/l	4602
Iodomethane	< 0.0020	mg/l	4602
4-Methyl-2-pentanone	< 0.0100	mg/l	4602
Methylene chloride	< 0.0020	mg/l	4602
Styrene	< 0.0020	mg/l	4602
1,1,1,2-Tetrachloroethane	< 0.0020	mg/l	4602
1,1,2,2-Tetrachloroethane	< 0.0020	mg/l	4602
Tetrachloroethene	< 0.0020	mg/l	4602
Toluene	< 0.0020	mg/l	4602
1,1,1-Trichloroethane	< 0.0020	mg/l	4602
1,1,2-Trichloroethane	< 0.0020	mg/l	4602
Trichloroethene	< 0.0020	mg/l	4602
1,2,3-Trichloropropane	< 0.0020	mg/l	4602
Vinyl acetate	< 0.0100	mg/l	4602
Vinyl chloride	< 0.0020	mg/l	4602
Xylenes	< 0.0020	mg/l	4602
Bromodichloromethane	< 0.0020	mg/l	4602
Trichlorofluoromethane	< 0.0020	mg/l	4602

Pace Analytical

431510

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Monie M. Lumbering	Report To: Rick Allison	Turn around Time: ☐ 24 Hours ☐ 48 Hours ☐ 3-5 Days ☐ 1 Week 2 Weeks ☒ Normal 14 Days	Pace Client No.
Address: 1140 Benson Hwy	Bill To: Monie M. Lumb		Pace Project Manager
Garner NC 27529	P.O. # / Billing Reference		Pace Project No. 922991
Phone: 919-772-5393	Project Name / No. Allison / 697		*Requested Due Date:

Sampled By (PRINT): Rick Allison / Jim Skinner

Sampler Signature: [signature] Date Sampled: 11/18/98

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA (HCL)	NaOH		VOC	Metals	Metals	Sulfate	Nitrate	Chloride	Sulfide		REMARKS
1	MW-1	9:15	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211622
2	MW-1A	1:45	H2O		5	1	1	4	1			X	X				X	X		211630
3	MW-3	10:00	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211648
4	MW-4R	12:00	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211655
5	MW-5	12:10	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211663
6	MW-6	11:45	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211671
7	MW-7	10:20	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211689
8	MW-8	3:00	H2O		7	1	1	4	1			X	X	X	X	X	X	X		211697

SHIPMENT METHOD	AIR BILL NO.	SHIPPING DATE	NUMBER OF COOLERS
			4

Additional Comments

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]			J Maloney	11/19	1:55 p
	J Maloney	11/19	5:40 p	[signature] Howard	11.19	1740

SAMPLE CONDITION

Temp: 4 °C | Received on Ice: (Y) / N | Sealed Cooler: Y / (N) | Samples Intact: (Y) / N | pH:

SEE REVERSE SIDE FOR INSTRUCTIONS

8/97

Pace Analytical

431508

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: MUNICIPAL ENGINEERING	Report To: Rick Allison	Turn around Time: ☐ 24 Hours ☐ 48 Hours ☐ 3-5 Days ☐ 1 Week 2 Weeks ☒ Normal 14 Days	Pace Client No.
Address: 1140 BENSON HWY, GARNER NC 27529	Bill To: Municipal Eng		Pace Project Manager
	P.O. # / Billing Reference		Pace Project No.
Phone: 919-772-5513	Project Name / No. [illegible]		*Requested Due Date:

Sampled By (PRINT): R. Allison / J. Skinner

Sampler Signature: [signature]

Date Sampled: 11/18/14

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA (HCL)	NaOH	[illegible]	[illegible]	REMARKS
1	GW-3	1125	H2O					1	4		X	X	211705
2	SW-5	1115	H2O					1	4		X	X	211713
3	EB	[illegible]	H2O						2		X		211721
4	FB	[illegible]	H2O						2		X		211739
5	TB		H2O						2		X		
6													
7													
8													

Did not receive

SHIPMENT METHOD	AIR BILL NO.	SHIPPING DATE	NUMBER OF COOLERS

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible]			J Maloney	11/19	1155
	J Maloney	11/19	540 p	[illegible]	11.19	1540

Additional Comments

681110.141

SAMPLE CONDITION

Temp: 4 °C | Received on Ice: (Y) / N | Sealed Cooler: Y / (N) | Samples Intact: (Y) / N | pH:

8/97

SEE REVERSE SIDE FOR INSTRUCTIONS

Sampling Field Data Sheet

PROJECT: Alexander Sanitary Landfill

SAMPLERS: Jim Skinner
Rick Allison

FIELD DATA SHEET

MONITORING PT. NUMBER	SAMPLE NUMBER	DATE OF COLLECT.	TIME SAMPLED	SAMPLING PARAMETERS					WATER QUALITY PARAMETERS				
				DTH-G.W.	REF. PT.	VOL. PUR.	SAMP. TY.	SAMP.DTH	pH	TEMP.	SP. COND		
MW-3	—	11/18/98	1000	25.65	TOP	4.5gal	—	Bott	6.55	19.5	440		
MW-7		11/18/98	1020	40.78		6gal			7.50	18.4	520		
MW-6		11/18/98	1045	35.08		4gal			6.72	17.3	140		
SW-5		11/18	1115	—		—			8.20	16.4	110		
SW-3		11/18	1135	—		—			7.80	16.8	141		
MW-4R		11/18/98	1200	16.40		4gal			6.70	19.4	390		
MW-5		11/18/98	1220	40.50		4.5gal			6.45	18.4	170		
MW-1		11/18	205	35.77		3gal			5.88	18.3	270		
MW-1A		11/18	145	47.54		2.5gal							
MW-8		11/18	300	15.26		5gal			5.70	19.8	100		

COMMENTS

1A Bailer stuck in well