96-01

OPERATION/CONSTRUCTION MANAGERS

Municipal Services

PO Box 97, Garner, North Carolina 27529 (919) 772-5393

CIVIL/SANITARY ENGINEERS

Engineering Company, P.A.

PO Box 349, Boone, North Carolina 28607 (828) 262-1767

April 29, 1999

Carmen Johnson
Fac/Perm/Co ID 96-01 | Date 7/19/12 | Doc ID# | DIN

MAY 1999 Received Solid Waste Section

Mr. Larry Rose
Solid Waste Section
Division of Waste Management
North Carolina Department of
Environment and Natural Resources
401 Oberlin Road
Raleigh, NC 27605

-VOCs <2L
MW-2
MW-8

Re: Wayne County Landfill
Water Sampling and Analysis
Municipal Engineering Project No. G99008.0

Mr. Rose:

The Wayne County Landfill in Dudley, NC was sampled on February 22, 1999 by Environment 1, Inc. of Greenville, NC for the Appendix II list of constituents. Municipal Engineering Services company, P.A. (MESCO) completed the enclosed potentiometric map with flow rate and direction as well as the comparisons to North Carolina Groundwater Standard and statistical analysis.

The Result Report with Threshold Exceedences shows that Chromium exceeds North Carolina Groundwater Standard in MW-6 and Lead exceeds the standard in MW-7. Non-parametric prediction limits were computed for those constituents detected. Prediction Limits could not be computed for the Appendix II constituents detected because four samples have not been collected. The following chart summarizes constituents statistically exceeding the background.

Constituent	Monitoring Well
Chromium	MW-5, MW-6, MW-7
Lead	MW-7
Vanadium	MW-6, MW-7
Chlorobenzene	MW-2, MW-6, MW-8
Ethyl benzene	MW-6
Xylenes	MW-6

Wayne County will remain in Assessment Monitoring until the fourth Appendix II set of constituents is collected. At that time, the results will be evaluated to determine a possible subset of wells to remain in Assessment Monitoring. The Wayne County Landfill will be sampled for Appendix I constituents plus those Appendix II constituents that have been detected.

If you have any questions regarding this report, please contact me at 919-772-5393.

Sincerely,

Richard R Allison
Geologist

Enclosures

cc: Mr. Lloyd Cook
Wayne County

Table 1
Wayne County Landfill
Hydrologic Properties at Monitoring Well Locations

Monitoring Well	Hydraulic Conductivity Conductivity (cm/sec)	Effective Porosity (%)	Change in Head/ Change in Distance	Groundwater Flow Rate (ft/yr)	Direction
MW-1	5.40E-04	20.0%	0.0106	29.68	N66W
MW-2	3.00E-04	20.0%	0.0099	15.44	N45W
MW-3	6.40E-03	20.0%	0.0066	218.89	N56W
MW-4	9.90E-04	20.0%	0.0089	45.61	N45W
MW-5	3.10E-05	20.0%	0.0206	3.31	N41W
MW-6	1.60E-04	20.0%	0.0055	4.58	N44W
MW-7	7.30E-05	20.0%	0.0121	4.56	N60W
MW-8	3.40E-04	20.0%	0.0051	9.05	N55W

Results Summary with comparison to North Carolina Groundwater Standard

Result Report (w/ Threshold Exceedences)

Company:	Wanye County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	02-22-1999 to 02-22-1999
Program:	Wayne (Closed) Groundwater	**Confidence Level:**	
Reported by:	user	**Log Transform:**	0.95
Report Options:	Threshold Exceedences by sampling point	**Monitor 5**	No

Parameter	Unit	Date	Sample ID	Result Value	Detection Limit	Regulatory Limit	Exceedence Value
Downgradient							
MW-2							
Appendix II Volatile Organic Compounds							
Dichlorodifluorometha	µg/L	2/22/99	15	33.000	5.000	1400.000	-
Volatile Organic Compounds							
Chlorobenzene	µg/L	2/22/99	15	21.000	5.000	50.000	-
MW-4							
Pesticides							
Endosulfan I	µg/L	2/22/99	15	0.110	0.100	-	-
MW-5							
Metals							
Chromium	mg/L	2/22/99	15	0.019	0.010	0.050	-
MW-6							
Metals							
Chromium	mg/L	2/22/99	15	0.128	0.010	0.050	0.078
Vanadium	mg/L	2/22/99	15	0.443	0.040	-	-
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	2/22/99	15	8.700	5.000	75.000	-
Chlorobenzene	µg/L	2/22/99	15	6.000	5.000	50.000	-
Ethyl benzene	µg/L	2/22/99	15	6.800	5.000	29.000	-
Xylenes - Total	µg/L	2/22/99	15	45.000	5.000	530.000	-
MW-7							
Metals							
Chromium	mg/L	2/22/99	15	0.031	0.010	0.050	-
Lead	mg/L	2/22/99	15	0.031	0.010	0.015	0.016
Vanadium	mg/L	2/22/99	15	0.042	0.040	-	-
Zinc	mg/L	2/22/99	15	0.031	0.050	2.100	-
MW-8							
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	2/22/99	15	29.000	5.000	75.000	-
Chlorobenzene	µg/L	2/22/99	15	19.000	5.000	50.000	-

End of report

Note:The statistics are replaced by the corresponding minimum variance unbiased estimates for the log normal distribution.

Laboratory Data

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

April 20, 1999

MUNICIPAL ENGINEERING
RECEIVED
APR 22 1999
SERVICES COMPANY

Mr. Lloyd Cook
Wayne County Landfill
460B Landfill Road
Dudley, NC 28333

Dear Mr. Cook:

Enclosed are results for samples collected on 02/22/99 at the old Dudley facility for Appendix II. A copy of this data has been sent to Rick Allison at Municipal Engineers. Due to lab equipment problems the 8270 organics scan were sub-contracted to Paradigm Laboratories. If you have any questions please give me a call.

Sincerely,

Steve Jones

Steve Jones

✓ cc: Rick Allison

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 02/22/99
DATE REPORTED : 04/20/99

REVIEWED BY:

PARAMETERS	Well #1	Well #2	Well #3	Well #4	Well #5	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.4	6.7	5.3	5.4	5.5	02/22/99	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	02/26/99	JMH	SM4500 CN
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	03/09/99	WTH	EPA7041
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	03/03/99	WTH	EPA7060
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	<0.500	02/26/99	LFJ	EPA6010B
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	<0.002	02/26/99	LFJ	EPA6010B
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	03/17/99	WTH	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/26/99	LFJ	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	02/26/99	WTH	EPA7210
Total Chromium, mg/l	<0.010	<0.010	<0.010	<0.010	0.019	02/26/99	LFJ	EPA6010B
Lead, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	03/17/99	WTH	EPA7421
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	02/24/99	WTH	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	02/26/99	LFJ	EPA6010B
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	03/05/99	WTH	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/26/99	LFJ	EPA6010B
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	02/25/99	WTH	EPA7841
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	03/02/99	WTH]	EPA282.2
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	02/26/99	LFJ	EPA6010B
Zinc, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	04/07/99	LFJ	EPA7950
Sulfide, mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	02/26/99	WTH	SM4500-S2D
Conductivity (at 25c), uMhos	100	440	10	120	28	02/23/99	JMH	SM2510B
Temperature, °C	13	10	15	12	10	02/22/99	RJH	SM2550B
Static Water Level, Feet	12.75	4.37	0.00	6.07	3.75	02/22/99	RJH	
Well Depth, feet	26.57	16.68	19.44	19.44	18.78	02/22/99	RJH	

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6043

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY ,NC 28333

DATE COLLECTED: 02/22/99
DATE REPORTED : 04/20/99

REVIEWED BY:

PARAMETERS	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	5.4	5.7			02/22/99	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050		02/26/99	JMH	SM4500 CN
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030		03/09/99	WTH	EPA7041
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010		03/03/99	WTH	EPA7060
Barium, mg/l	<0.500	<0.500	<0.500	<0.500		02/26/99	LFJ	EPA6010B
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002		02/26/99	LFJ	EPA6010B
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001		03/17/99	WTH	EPA7131
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010		02/26/99	LFJ	EPA6010B
Copper, mg/l	<0.200	<0.200	<0.200	<0.200		02/26/99	WTH	EPA7210
Total Chromium, mg/l	0.128	0.031	<0.010	<0.010		02/26/99	LFJ	EPA6010B
Lead, mg/l	<0.010	0.031	<0.010	<0.010		03/17/99	WTH	EPA7421
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005		02/24/99	WTH	EPA7470
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050		02/26/99	LFJ	EPA6010B
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020		03/05/99	WTH	EPA7740
Silver, mg/l	<0.010	<0.010	<0.010	<0.010		02/26/99	LFJ	EPA6010B
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010		02/25/99	WTH	EPA7841
Tin, mg/l	<0.100	<0.100	<0.100	<0.100		03/02/99	WTH]	EPA282.2
Vanadium, mg/l	0.443	0.042	<0.040	<0.040		02/26/99	LFJ	EPA6010B
Zinc, mg/l	<0.010	0.031	<0.010	<0.010		04/07/99	LFJ	EPA7950
Sulfide, mg/l	<1.0	<1.0	<1.0	<1.0		02/26/99	WTH	SM4500-S2D
Conductivity (at 25c), uMhos	100	32	19			02/23/99	JMH	SM2510B
Temperature, °C	12	11	12			02/22/99	RJH	SM2550B
Static Water Level, Feet	5.09	4.72	17.14			02/22/99	RJH	
Well Depth, feet	18.99	20.01	30.14			02/22/99	RJH	

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/22/99
DATE EXTRACTED: 02/23/99
DATE ANALYZED: 03/19/99
DATE REPORTED: 04/20/99

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
1. Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.10	<0.10	<0.10	<0.10	<0.10
11. Endosulfan I	<0.10	<0.10	<0.10	0.11	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.10	<0.10	<0.10	<0.10	<0.10
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00	<1.00
19. Pcb"s (Aroclors)	<2.00	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/22/99
DATE EXTRACTED: 02/23/99
DATE ANALYZED: 03/19/99
DATE REPORTED: 04/20/99

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
1. Aldrin	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.10	<0.10	<0.10	<0.10
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.10	<0.10	<0.10	<0.10
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00
19. Pcb"s (Aroclors)	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/22/99
DATE EXTRACTED: 02/25/99
DATE ANALYZED: 03/08/99
DATE REPORTED: 04/20/99

Page: 1

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
1. 2,4-D, ug/l	<2.00	<2.00	<2.00	<2.00	<2.00
2. Dinoseb, ug/l	<1.00	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP, ug/l	<2.00	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T, ug/l	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: CHS
DATE COLLECTED: 02/22/99
DATE EXTRACTED: 02/25/99
DATE ANALYZED: 03/08/99
DATE REPORTED: 04/20/99

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank
1. 2,4-D, ug/l	<2.00	<2.00	<2.00	<2.00
2. Dinoseb, ug/l	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP, ug/l	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T, ug/l	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: JSM
DATE COLLECTED: 02/22/99
DATE ANALYZED: 02/27/99
DATE REPORTED: 04/20/99

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00	<5.00	<5.00	<5.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<50.00	<50.00	<50.00	<50.00	<50.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	21.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<5.00	<5.00	<5.00	<5.00	<5.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: JSM
DATE COLLECTED: 02/22/99
DATE ANALYZED: 02/27/99
DATE REPORTED: 04/20/99

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #1	Well #2	Well #3	Well #4	Well #5
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadine	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Metecrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
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CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
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CLIENT ID: 6043

ANALYST: JSM
DATE COLLECTED: 02/22/99
DATE ANALYZED: 02/27/99
DATE REPORTED: 04/20/99

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00	<5.00	<5.00	<5.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<50.00	<50.00	<50.00	<50.00	<50.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	6.00	<5.00	19.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	6.80	<5.00	<5.00	<5.00	<5.00
37. Xylenes	45.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<5.00	<5.00	<5.00	<5.00	<5.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	8.70	<5.00	29.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY, NC 28333

CLIENT ID: 6043

ANALYST: JSM
DATE COLLECTED: 02/22/99
DATE ANALYZED: 02/27/99
DATE REPORTED: 04/20/99

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Well #6	Well #7	Well #8	Equipment Blank	Trip Blank
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadine	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Metecrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<5.00	<5.00	<5.00	<5.00	<5.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00	<100.00	<100.00	<100.00

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles

by GCMS 8270

Client Sample ID: MW-1
Client Project ID: Wayne County
Lab Sample ID: 59884
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-1
Client Project ID: Wayne County
Lab Sample ID: 59884
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-1
Client Project ID: Wayne County
Lab Sample ID: 59884
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	45	90
2-Fluorobiphenyl	50	36	72
2-Fluorophenol	50	21	42
4-Terphenyl-d14	50	52	104
Nitrobenzene-d5	50	31	62
Phenol-d6	50	14	28

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-2
Client Project ID: Wayne County
Lab Sample ID: 59885
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles

by GCMS 8270

Client Sample ID: MW-2
Client Project ID: Wayne County
Lab Sample ID: 59885
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-2
Client Project ID: Wayne County
Lab Sample ID: 59885
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	47	94
2-Fluorobiphenyl	50	45	90
2-Fluorophenol	50	37	74
4-Terphenyl-d14	50	47	94
Nitrobenzene-d5	50	39	78
Phenol-d6	50	19	38

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MN

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-3
Client Project ID: Wayne County
Lab Sample ID: 59886
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles

by GCMS 8270

Sample ID: MW-3
t Project ID: Wayne County
Sample ID: 59886
) Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

und	Quantitation Limit (ug/L)	Result (ug/L)
ılorophenol	20	BQL
etin	10	BQL
threne	10	BQL
	10	BQL
ylenediamine	10	BQL
	10	BQL
ide	10	BQL
	10	BQL
	10	BQL
Tetrachlorobenzene	10	BQL
Tetrachlorophenol	10	BQL
:in	10	BQL
line	10	BQL
ichlorophenol	10	BQL
ichlorophenol	10	BQL
Triethylphosphorothioate	10	BQL
nitrobenzene	10	BQL

ate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
ibromophenol	50	39	78
)biphenyl	50	37	74
)phenol	50	22	44
enyl-d14	50	52	104
ızene-d5	50	33	66
d6	50	15	30

are corrected for %solids and dilution where applicable.
ınalyzed By: JPW

Below Quantitation Limit.

Reviewed By: [signature]

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-4
Client Project ID: Wayne County
Lab Sample ID: 59887
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	46	92
2-Fluorobiphenyl	50	41	82
2-Fluorophenol	50	31	62
4-Terphenyl-d14	50	45	90
Nitrobenzene-d5	50	36	72
Phenol-d6	50	17	34

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-5
Client Project ID: Wayne County
Lab Sample ID: 59888
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-5
Client Project ID: Wayne County
Lab Sample ID: 59888
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-5
Client Project ID: Wayne County
Lab Sample ID: 59888
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	39	78
2-Fluorobiphenyl	50	33	66
2-Fluorophenol	50	24	48
4-Terphenyl-d14	50	47	94
Nitrobenzene-d5	50	30	60
Phenol-d6	50	14	28

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mn

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-6
Client Project ID: Wayne County
Lab Sample ID: 59889
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-6
Client Project ID: Wayne County
Lab Sample ID: 59889
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	50	100
2-Fluorobiphenyl	50	38	76
2-Fluorophenol	50	24	48
4-Terphenyl-d14	50	54	108
Nitrobenzene-d5	50	35	70
Phenol-d6	50	15	30

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: NVA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-7
Client Project ID: Wayne County
Lab Sample ID: 59890
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-7
Client Project ID: Wayne County
Lab Sample ID: 59890
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles

by GCMS 8270

Client Sample ID: MW-7
Client Project ID: Wayne County
Lab Sample ID: 59890
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	39	78
2-Fluorobiphenyl	50	39	78
2-Fluorophenol	50	25	50
4-Terphenyl-d14	50	48	96
Nitrobenzene-d5	50	35	70
Phenol-d6	50	16	32

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mn

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-8
Client Project ID: Wayne County
Lab Sample ID: 59891
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	12
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-8
Client Project ID: Wayne County
Lab Sample ID: 59891
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-8
Client Project ID: Wayne County
Lab Sample ID: 59891
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	39	78
2-Fluorobiphenyl	50	28	56
2-Fluorophenol	50	21	42
4-Terphenyl-d14	50	56	112
Nitrobenzene-d5	50	25	50
Phenol-d6	50	11	22

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [illegible]

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: Equip.Blk.
Client Project ID: Wayne County
Lab Sample ID: 59892
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: Equip.Blk.
Client Project ID: Wayne County
Lab Sample ID: 59892
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: Equip.Blk.
Client Project ID: Wayne County
Lab Sample ID: 59892
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	32	64
2-Fluorobiphenyl	50	33	66
2-Fluorophenol	50	23	46
4-Terphenyl-d14	50	49	98
Nitrobenzene-d5	50	30	60
Phenol-d6	50	13	26

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-3 Dup.
Client Project ID: Wayne County
Lab Sample ID: 59893
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Acetophenone	10	BQL
2-Acetylaminofluorene	10	BQL
4-Aminobiphenyl	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzyl Alcohol	10	BQL
Bis(2-chloro-1-methylethyl)ether	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-Bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloroaniline	10	BQL
Chlorobenzilate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Diallate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Dibenzofuran	10	BQL
Di-n-butylphthalate	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
2,6-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
Dimethoate	10	BQL
p-Dimethylaminoazobenzene	10	BQL
7,12-Dimethylbenz[a]anthracene	10	BQL
3-3'-Dimethylbenzidine	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
m-Dinitrobenzene	10	BQL
4,6-Dinitro-2-methylphenol	10	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-3 Dup.
Client Project ID: Wayne County
Lab Sample ID: 59893
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Dinoseb	10	BQL
Di-n-octylphthalate	10	BQL
Diphenylamine	10	BQL
Disulfoton	10	BQL
Ethylmethanesulfonate	10	BQL
Famphur	50	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	10	BQL
Hexachloroethane	10	BQL
Hexachloropropene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isodrin	10	BQL
Isophorone	10	BQL
Isosafrole	10	BQL
Kepone	50	BQL
Methapyrilene	10	BQL
Methyl parathion	10	BQL
3-Methylcholanthrene	10	BQL
Methylmethanesulfonate	10	BQL
2-Methylnaphthalene	10	BQL
2-Methylphenol	10	BQL
3&4-Methylphenol	10	BQL
Naphthalene	10	BQL
1,4-Naphthoquinone	10	BQL
1-Naphthylamine	10	BQL
2-Naphthylamine	10	BQL
5-Nitro-o-toluidine	10	BQL
2-Nitroaniline	10	BQL
3-Nitroaniline	10	BQL
4-Nitroaniline	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	10	BQL
N-Nitroso-di-n-butylamine	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiethylamine	10	BQL
N-Nitrosodimethylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
N-Nitrosomethylethylamine	10	BQL
N-Nitrosopiperidine	10	BQL
N-Nitrosopyrrolidine	10	BQL
Parathion	10	BQL
Pentachlorobenzene	10	BQL
Pentachloronitrobenzene	10	BQL

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Appendix II Semivolatiles
by GCMS 8270

Client Sample ID: MW-3 Dup.
Client Project ID: Wayne County
Lab Sample ID: 59893
Lab Project ID: G239-67
Matrix: Water

Date Collected: 2/22/99
Date Received: 3/26/99
Date Analyzed: 4/7/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Pentachlorophenol	20	BQL
Phenacetin	10	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
p-Phenylenediamine	10	BQL
Phorate	10	BQL
Pronamide	10	BQL
Pyrene	10	BQL
Safrole	10	BQL
1,2,4,5-Tetrachlorobenzene	10	BQL
2,3,4,6-Tetrachlorophenol	10	BQL
Thionazin	10	BQL
o-Toluidine	10	BQL
2,4,5-Trichlorophenol	10	BQL
2,4,6-Trichlorophenol	10	BQL
O,O,O-Triethylphosphorothioate	10	BQL
sym-Trinitrobenzene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	50	36	72
2-Fluorobiphenyl	50	37	74
2-Fluorophenol	50	22	44
4-Terphenyl-d14	50	42	84
Nitrobenzene-d5	50	33	66
Phenol-d6	50	14	28

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: JPW

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [illegible]

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6043 Week: 7

WAYNE CO. LANDFILL (DUDLEY)
MR. LLOYD COOK
460B LANDFILL ROAD
DUDLEY NC 28333

(919) 689-2994

																				CHLORINE NEUTRALIZED AT COLLECTION
																				pH CHECK (LAB)
								>12	<2	>9				<2						
								P	P	P	P	P	P		G	G	G	G	G	G	CONTAINER TYPE, P/G
								A	D	B	F	A	A		E	A	A	A	E	A	CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Cyanide	Metals	Sulfide, Code D	Conductivity	Temperature	Field Parameter	8260B Duplicate	EPA 8270C	8270C Duplicate	EPA 8081A	8260B APP. II	8151A Landfill		
Well #1	02/22/99	1420		13	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #2	02/22/99	1035		10	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #3	02/22/99	1335		15	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #4	02/22/99	1220		12	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #5	02/22/99	0950		10	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #6	02/22/99	1150		12	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #7	02/22/99	1120		11	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Well #8	02/22/99	1305		12	10	C	C	C	C	C	C	C	C	C	C	C	C	C		
Equipment Blank	02/22/99	1120			9		C	C	C				C	C	C	C	C	C		
Trip Blank					2								C				C			

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - _____

CLASSIFICATION:

- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE SECTION
- [ ] OTHER _____

SAMPLES COLLECTED BY: N Page

SAMPLES RECEIVED IN LAB AT <4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Page	02.22.99 / 1545	Rose M. Phillips	2.22.99 / 3:45
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 19437

FORM #5

Data Distribution Report

Data Distribution Report

Company: Wayne County
Site: Closed Landfill
Program: Wayne (Closed) Groundwater

Data Group: None
Date Range: All
Non-detects: 1/2 detection limit

Permit:
Minimum $3.000
Report printed:
Report Opt by sampling point

Duplicates: Mean
Confidence Level: 0.95
Reported by: user
Range of Censoring: 0% - 100%

Monitor 5

Data Distribution Report

Site: Wayne (Closed) Groundwater

Data Group: 1.00

Parameter	Unit	Size	%NDs	Best Fit Distribution	Normal p Value	Lognormal p Value	Coefficient Variation
Downgradient							
MW-2							
Appendix II Volatile Organic Compounds							
Dichlorodifluoromethane	µg/L	3	66.7%	Non-normal	-0.000	-0.000	1.128
Volatile Organic Compounds							
Chlorobenzene	µg/L	13	30.8%	Normal	0.052	-	0.651
MW-4							
Pesticides							
Endosulfan I	µg/L	3	66.7%	Non-normal	-0.000	-0.000	0.495
MW-5							
Metals							
Chromium	mg/L	12	41.7%	Lognormal	-	0.062	0.936
MW-6							
Metals							
Chromium	mg/L	12	33.3%	Lognormal	-	0.082	1.066
Vanadium	mg/L	12	50.0%	Non-normal	0.000	0.012	1.369
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	13	15.4%	Lognormal	-	0.197	0.618
Chlorobenzene	µg/L	13	30.8%	Normal	0.092	-	0.495
Ethyl benzene	µg/L	13	38.5%	Non-normal	0.001	0.025	1.284
Xylenes - Total	µg/L	13	0.0%	Normal	0.117	-	0.505
MW-7							
Metals							
Chromium	mg/L	12	25.0%	Lognormal	-	0.295	1.069
Lead	mg/L	12	41.7%	Non-normal	0.023	0.013	0.927
Vanadium	mg/L	12	41.7%	Non-normal	0.004	0.017	0.979
Zinc	mg/L	12	83.3%	Non-normal	0.000	0.000	0.282

				Distribution	p Value	p Value	Variation
MW-8							
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	13	84.6%	Non-normal	0.000	0.000	1.444
Chlorobenzene	µg/L	13	92.3%	Non-normal	0.000	0.000	1.214
Upgradient							
MW-1							
Appendix II Volatile Organic Compounds							
Dichlorodifluoromethane	µg/L	3	100.0%	Non-normal	-0.000	-0.000	0.346
Metals							
Chromium	mg/L	11	100.0%	Normal	1.000	-	0.000
Lead	mg/L	11	100.0%	Normal	1.000	-	0.000
Vanadium	mg/L	11	100.0%	Normal	1.000	-	0.000
Zinc	mg/L	11	81.8%	Non-normal	0.000	0.000	1.325
Pesticides							
Endosulfan I	µg/L	3	100.0%	Normal	1.000	-	0.000
Volatile Organic Compounds							
1,4-Dichlorobenzene	µg/L	12	100.0%	Normal	1.000	-	0.000
Chlorobenzene	µg/L	12	100.0%	Normal	1.000	-	0.000
Ethyl benzene	µg/L	12	100.0%	Normal	1.000	-	0.000
Xylenes - Total	µg/L	12	100.0%	Normal	1.000	-	0.000

End of report

Note: * - The number of sampling results must be in the range from 3 to 2000 inclusive, to test for Shapiro-Wilk Distribution .**

Note:The statistics are replaced by the corresponding minimum variance unbiased estimates for the log normal distribution.

Prediction Limit Results

Prediction Limit Report

Company:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:16:00PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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
Chromium (mg/L)								
Background Wells								
MW-1								
Background Wells	10	100.0%	0.005	0.909	0.019	15	2/22/99	MW-5
					0.128	15	2/22/99	MW-6
					0.031	15	2/22/99	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

Prediction Limit Report

Company:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:19:49PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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								
MW-1								
Background Wells	10	100.0%	0.005	0.909	0.031	15	2/22/99	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

Prediction Limit Report

Company:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:18:26PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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 Result	ID	Sample Date	Sample Point
Vanadium (mg/L)									
Background Wells									
MW-1									
Background Wells	10	100.0%	0.020	0.909		0.443	15	2/22/99	MW-6
						0.042	15	2/22/99	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

Prediction Limit Report

Company:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:39:53PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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								
MW-1								
Background Wells	10	80.0%	0.243	0.909				

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:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:04:53PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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
Chlorobenzene (µg/L)								
Background Wells								
MW-1								
Background Wells	11	100.0%	2.500	0.917	21.000	15	2/22/99	MW-2
					6.000	15	2/22/99	MW-6
					19.000	15	2/22/99	MW-8

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:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:42:29PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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
Ethyl benzene (µg/L)								
Background Wells								
MW-1								
Background Wells	11	100.0%	2.500	0.917	6.800	15	2/22/99	MW-6

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:	Wayne County	**Data Group:**	None
Site:	Closed Landfill	**Date Range:**	All
Program:	Wayne (Closed) Groundwater	**Non-detects:**	1/2 detection limit
Permit:		**Duplicates:**	Mean
Report printed:	4/29/99 2:44:44PM	**Confidence Level:**	0.95
Reported by:	user	**Cut off Date:**	2/20/99
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								
MW-1								
Background Wells	11	100.0%	2.500	0.917	45.000	15	2/22/99	MW-6

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