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IT'S ALL IN THE CHEMISTRY

12/29/09

Technical Report for

Highlands Environmental Solutions, Inc

S7001; Durham, NC

Accutest Job Number: F70190

Sampling Date: 12/15/09

Report to:

Highlands Environmental Solutions, Inc
8410-D Falls of Neuse Rd
Raleigh, NC 27615
jbeaman@hesnc.com

ATTN: Joe Beaman

Total number of pages in report: 75

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Sample Summary

Highlands Environmental Solutions, Inc

S7001; Durham, NC

Job No: F70190

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F70190-1	12/15/09	09:30	TD	12/16/09	AQ	Ground Water	MW-9
F70190-2	12/15/09	10:05	TD	12/16/09	AQ	Ground Water	MW-17
F70190-3	12/15/09	10:30	TD	12/16/09	AQ	Ground Water	MW-26
F70190-4	12/15/09	11:00	TD	12/16/09	AQ	Ground Water	MW-18
F70190-5	12/15/09	11:30	TD	12/16/09	AQ	Ground Water	MW-2S
F70190-6	12/15/09	12:00	TD	12/16/09	AQ	Ground Water	MW-2SI
F70190-7	12/15/09	12:30	TD	12/16/09	AQ	Ground Water	MW-29I
F70190-8	12/15/09	13:00	TD	12/16/09	AQ	Ground Water	MW-29
F70190-9	12/15/09	14:00	TD	12/16/09	AQ	Ground Water	MW-7
F70190-10	12/15/09	14:30	TD	12/16/09	AQ	Ground Water	MW-1
F70190-11	12/15/09	15:00	TD	12/16/09	AQ	Ground Water	MW-1SI

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	F70190-1	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009508.D	1	12/23/09	TD	n/a	n/a	VA362
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	0.080	0.50	0.050	ug/l	J
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	F70190-1	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.13	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.58	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	F70190-1	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015760.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.96	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	0.96	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	F70190-1	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.96	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.96	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.0	4.8	1.9	ug/l	J
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.1	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	69%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	F70190-2	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009509.D	1	12/23/09	TD	n/a	n/a	VA362
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	0.47	0.50	0.070	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.074	0.50	0.070	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	F70190-2	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		70-130%
2037-26-5	Toluene-D8	91%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	F70190-2	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015761.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.95	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.95	ug/l	
	3&4-Methylphenol	ND	4.8	0.95	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	0.95	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	F70190-2	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.95	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.0	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.95	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	30%		10-40%
118-79-6	2,4,6-Tribromophenol	92%		33-118%
4165-60-0	Nitrobenzene-d5	86%		42-108%
321-60-8	2-Fluorobiphenyl	80%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	F70190-3	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009510.D	1	12/23/09	TD	n/a	n/a	VA362
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	F70190-3	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	F70190-3	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015762.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.95	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.95	ug/l	
	3&4-Methylphenol	ND	4.8	0.95	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	0.95	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	F70190-3	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.95	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.0	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.95	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	21%		14-62%
4165-62-2	Phenol-d5	13%		10-40%
118-79-6	2,4,6-Tribromophenol	69%		33-118%
4165-60-0	Nitrobenzene-d5	80%		42-108%
321-60-8	2-Fluorobiphenyl	75%		40-106%
1718-51-0	Terphenyl-d14	75%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	F70190-4	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009511.D	1	12/23/09	TD	n/a	n/a	VA362
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	0.13	0.50	0.070	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	F70190-4	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
17060-07-0	1,2-Dichloroethane-D4	109%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	F70190-4	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015763.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.96	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	0.96	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	F70190-4	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.96	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.96	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.1	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-62%
4165-62-2	Phenol-d5	24%		10-40%
118-79-6	2,4,6-Tribromophenol	78%		33-118%
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2S		
Lab Sample ID:	F70190-5	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009512.D	1	12/23/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	0.38	0.50	0.10	ug/l	J
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	0.64	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	6.7	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	4.5	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.4	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2S		
Lab Sample ID:	F70190-5	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	5.0	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	1.4	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	3.6	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
17060-07-0	1,2-Dichloroethane-D4	112%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2S		
Lab Sample ID:	F70190-5	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015766.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.96	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	0.96	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2S		
Lab Sample ID:	F70190-5	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.96	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.96	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.1	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		14-62%
4165-62-2	Phenol-d5	19%		10-40%
118-79-6	2,4,6-Tribromophenol	72%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2SI		
Lab Sample ID:	F70190-6	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009513.D	1	12/23/09	TD	n/a	n/a	VA363
Run #2	A009546.D	2	12/24/09	TD	n/a	n/a	VA364

	Purge Volume
Run #1	25.0 ml
Run #2	25.0 ml

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.1	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	4.2	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	2.3	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	22.1 [a]	1.0	0.14	ug/l	
75-35-4	1,1-Dichloroethylene	3.7	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	0.16	0.50	0.070	ug/l	J
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.9	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.23	0.50	0.10	ug/l	J

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2SI		
Lab Sample ID:	F70190-6	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.19	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	19.0	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	1.2	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	21.5 [a]	1.0	0.18	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	0.088	0.50	0.050	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%	120%	70-130%
17060-07-0	1,2-Dichloroethane-D4	117%	117%	70-130%
2037-26-5	Toluene-D8	90%	83%	70-130%
460-00-4	4-Bromofluorobenzene	96%	93%	70-130%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2SI		
Lab Sample ID:	F70190-6	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015767.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.95	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.95	ug/l	
	3&4-Methylphenol	ND	4.8	0.95	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	0.95	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.95	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.95	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.95	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2SI		
Lab Sample ID:	F70190-6	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.95	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.5	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.95	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.95	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.95	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.0	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.95	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	79%		33-118%
4165-60-0	Nitrobenzene-d5	79%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29I		
Lab Sample ID:	F70190-7	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009514.D	1	12/23/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.4	10	1.7	ug/l	J
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	0.31	0.50	0.10	ug/l	J
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	0.63	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	1.3	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	0.76	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.68	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29I		
Lab Sample ID:	F70190-7	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	1.1	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	0.22	0.50	0.060	ug/l	J
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	1.9	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
17060-07-0	1,2-Dichloroethane-D4	113%		70-130%
2037-26-5	Toluene-D8	87%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29I		
Lab Sample ID:	F70190-7	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015768.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.97	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	3.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.4	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	0.97	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29I		
Lab Sample ID:	F70190-7	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	0.97	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	0.97	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.3	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.1	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	18%		14-62%
4165-62-2	Phenol-d5	11%		10-40%
118-79-6	2,4,6-Tribromophenol	61%		33-118%
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	70%		39-121%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	F70190-8	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009515.D	1	12/23/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	1.9	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	0.15	0.50	0.12	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	F70190-8	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
17060-07-0	1,2-Dichloroethane-D4	113%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	F70190-8	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015769.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	0.96	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	3.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	0.96	ug/l	
	3&4-Methylphenol	ND	4.8	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	0.96	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.3	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	0.96	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	0.96	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	0.96	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-29		
Lab Sample ID:	F70190-8	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	0.96	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	0.96	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	0.96	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	0.96	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	1.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	0.96	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.2	ug/l	
67-72-1	Hexachloroethane	ND	4.8	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.1	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		14-62%
4165-62-2	Phenol-d5	18%		10-40%
118-79-6	2,4,6-Tribromophenol	66%		33-118%
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	63%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	F70190-9	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009516.D	1	12/23/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	F70190-9	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
17060-07-0	1,2-Dichloroethane-D4	110%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	F70190-9	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015770.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	F70190-9	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	83%		33-118%
4165-60-0	Nitrobenzene-d5	69%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	78%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	F70190-10	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009517.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	F70190-10	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.28	0.50	0.060	ug/l	J
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
17060-07-0	1,2-Dichloroethane-D4	114%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	F70190-10	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015771.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.98	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	3.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	0.98	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	0.98	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.4	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.98	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	0.98	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.98	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.98	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	F70190-10	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	0.98	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	0.98	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.0	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.3	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.1	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.98	ug/l	
129-00-0	Pyrene	ND	4.9	0.98	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	30%		10-40%
118-79-6	2,4,6-Tribromophenol	87%		33-118%
4165-60-0	Nitrobenzene-d5	83%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	81%		39-121%

ND = Not detected MDL - Method Detection Limit
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E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1SI		
Lab Sample ID:	F70190-11	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009518.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	0.23	0.50	0.050	ug/l	J
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1SI		
Lab Sample ID:	F70190-11	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.15	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.65	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
17060-07-0	1,2-Dichloroethane-D4	115%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1SI		
Lab Sample ID:	F70190-11	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U015772.D	1	12/19/09	NAF	12/17/09	OP31300	SU765
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.97	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	3.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.4	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	0.97	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1SI		
Lab Sample ID:	F70190-11	**Date Sampled:**	12/15/09
Matrix:	AQ - Ground Water	**Date Received:**	12/16/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	0.97	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	0.97	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.3	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.1	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	74%		33-118%
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	69%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

3.1

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F70190 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Highland Environmental
Address: 8410-D Falls of Nonna Road
City: Raleigh State: NC Zip: 27615
Project Contact: Joe Beaman E-mail: JBeaman@hesnc.com
Phone#: 917-848-3155
Sampler(s) Name(s) (Printed): Tyrel DeShong

Project Information

Project Name: 57001
Street: Denfield St
City: Durham State: NC
Project #: 57001
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH/ZnAc	Oil Water	MeOH	6210D	625	LAB USE ONLY
1	MW-9	11/6/09	930	TD	GW	5		X	X							X	X	
2	MW-17		1005															
3	MW-26		1030															
4	MW-18		1100															
5	MW-25		1130															
6	MW-25i		1200															
7	MW-29i		1230															
8	MW-29		1300															
9	MW-7		1400															
10	MW-1		1430															
11	MW-15i		1500															

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days) — Approved By: / Rush Code

- [ ] 10 Days Standard
- [ ] 7 Day RUSH
- [x] 5 Day [redacted] Standard
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Tyrel DeShong	12/10/09 1500	2 [signature]	3 Fox	12/16/09 9:00	4 [signature] Accutest 12/16/09 9:00
5		6	7		8

Lab Use Only: Custody Seal In Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 3 Cooler Temperature (s) Celsius: 243036

F70190: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F70190 CLIENT: Highland PROJECT: 5700/

DATE/TIME RECEIVED: 12/16/09 9:00 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED:

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8692 9696 9232

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 0
NUMBER OF 5035 FIELD KITS ? 0
NUMBER OR LAB FILTERED METALS ? 0

TEMPERATURE INFORMATION

- [ ] IR THERM ID IR2 CORR. FACTOR +.4
- [ ] OBSERVED TEMPS: 2.0 2.6 3.2
- [ ] CORRECTED TEMPS: 2.4 3.0 3.6

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: 12/16/09 REVIEWER SIGNATURE/DATE: 12-18-09

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

3.1

F70190: Chain of Custody
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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA362-MB	A009485.D	1	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	0.16	0.50	0.050	ug/l	J
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA362-MB	A009485.D	1	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	0.92	1.0	0.52	ug/l	J
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
17060-07-0	1,2-Dichloroethane-D4	116%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-MB	A009499.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-MB	A009499.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	106%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-MB	A009538.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-6

CAS No.	Compound	Result	RL	MDL	Units	Q
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA362-BS	A009484.D	1	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	25	26.4	106	70-130
71-43-2	Benzene	5	4.3	86	70-130
108-86-1	Bromobenzene	5	4.1	82	70-130
74-97-5	Bromochloromethane	5	4.3	86	70-130
75-27-4	Bromodichloromethane	5	3.9	78	70-130
75-25-2	Bromoform	5	3.5	70	70-130
104-51-8	n-Butylbenzene	5	3.9	78	70-130
135-98-8	sec-Butylbenzene	5	4.0	80	70-130
98-06-6	tert-Butylbenzene	5	4.1	82	70-130
108-90-7	Chlorobenzene	5	4.3	86	70-130
75-00-3	Chloroethane	5	14.1	282*	60-140
67-66-3	Chloroform	5	4.8	96	70-130
95-49-8	o-Chlorotoluene	5	4.2	84	70-130
106-43-4	p-Chlorotoluene	5	4.0	80	70-130
56-23-5	Carbon tetrachloride	5	5.3	106	70-130
75-34-3	1,1-Dichloroethane	5	4.2	84	70-130
75-35-4	1,1-Dichloroethylene	5	5.4	108	70-130
563-58-6	1,1-Dichloropropene	5	4.2	84	70-130
106-93-4	1,2-Dibromoethane	5	3.9	78	70-130
107-06-2	1,2-Dichloroethane	5	4.9	98	70-130
78-87-5	1,2-Dichloropropane	5	4.0	80	70-130
142-28-9	1,3-Dichloropropane	5	3.8	76	70-130
108-20-3	Di-Isopropyl ether	5	4.1	82	70-130
594-20-7	2,2-Dichloropropane	5	4.4	88	70-130
124-48-1	Dibromochloromethane	5	3.8	76	70-130
75-71-8	Dichlorodifluoromethane	5	5.2	104	60-140
156-59-2	cis-1,2-Dichloroethylene	5	4.0	80	70-130
10061-01-5	cis-1,3-Dichloropropene	5	3.7	74	70-130
541-73-1	m-Dichlorobenzene	5	4.0	80	70-130
95-50-1	o-Dichlorobenzene	5	4.1	82	70-130
106-46-7	p-Dichlorobenzene	5	4.2	84	70-130
156-60-5	trans-1,2-Dichloroethylene	5	4.5	90	70-130
10061-02-6	trans-1,3-Dichloropropene	5	4.1	82	70-130
100-41-4	Ethylbenzene	5	4.0	80	70-130
64-17-5	Ethyl Alcohol	500	443	95	70-130
591-78-6	2-Hexanone	25	17.8	71	70-130

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA362-BS	A009484.D	1	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	5	4.4	88	70-130
99-87-6	p-Isopropyltoluene	5	3.9	78	70-130
108-10-1	4-Methyl-2-pentanone	25	18.6	74	70-130
74-83-9	Methyl bromide	5	8.1	162*	60-140
74-87-3	Methyl chloride	5	6.3	126	60-140
75-09-2	Methylene chloride	5	5.2	104	70-130
78-93-3	Methyl ethyl ketone	25	19.8	79	70-130
1634-04-4	Methyl Tert Butyl Ether	5	4.1	82	70-130
91-20-3	Naphthalene	5	3.5	70	70-130
103-65-1	n-Propylbenzene	5	4.0	80	70-130
100-42-5	Styrene	5	3.7	74	70-130
71-55-6	1,1,1-Trichloroethane	5	4.6	92	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	3.7	74	70-130
79-00-5	1,1,2-Trichloroethane	5	4.0	80	70-130
87-61-6	1,2,3-Trichlorobenzene	5	4.0	80	70-130
96-18-4	1,2,3-Trichloropropane	5	3.7	74	70-130
120-82-1	1,2,4-Trichlorobenzene	5	4.0	80	70-130
95-63-6	1,2,4-Trimethylbenzene	5	3.9	78	70-130
108-67-8	1,3,5-Trimethylbenzene	5	3.9	78	70-130
127-18-4	Tetrachloroethylene	5	4.3	86	70-130
108-88-3	Toluene	5	4.1	82	70-130
79-01-6	Trichloroethylene	5	4.3	86	70-130
75-69-4	Trichlorofluoromethane	5	9.7	194*	60-140
75-01-4	Vinyl chloride	5	5.4	108	60-140
108-05-4	Vinyl Acetate	25	12.0	48*	70-130
	m,p-Xylene	10	8.1	81	70-130
95-47-6	o-Xylene	5	3.9	78	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	70-130%
17060-07-0	1,2-Dichloroethane-D4	116%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-BS	A009498.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	25	31.9	128	70-130
71-43-2	Benzene	5	5.3	106	70-130
108-86-1	Bromobenzene	5	5.3	106	70-130
74-97-5	Bromochloromethane	5	5.6	112	70-130
75-27-4	Bromodichloromethane	5	5.4	108	70-130
75-25-2	Bromoform	5	4.7	94	70-130
104-51-8	n-Butylbenzene	5	5.4	108	70-130
135-98-8	sec-Butylbenzene	5	5.4	108	70-130
98-06-6	tert-Butylbenzene	5	5.4	108	70-130
108-90-7	Chlorobenzene	5	5.4	108	70-130
75-00-3	Chloroethane	5	13.7	274*	60-140
67-66-3	Chloroform	5	6.1	122	70-130
95-49-8	o-Chlorotoluene	5	5.4	108	70-130
106-43-4	p-Chlorotoluene	5	5.2	104	70-130
56-23-5	Carbon tetrachloride	5	6.2	124	70-130
75-34-3	1,1-Dichloroethane	5	5.5	110	70-130
75-35-4	1,1-Dichloroethylene	5	6.7	134*	70-130
563-58-6	1,1-Dichloropropene	5	5.6	112	70-130
106-93-4	1,2-Dibromoethane	5	5.3	106	70-130
107-06-2	1,2-Dichloroethane	5	6.0	120	70-130
78-87-5	1,2-Dichloropropane	5	5.1	102	70-130
142-28-9	1,3-Dichloropropane	5	5.1	102	70-130
108-20-3	Di-Isopropyl ether	5	5.0	100	70-130
594-20-7	2,2-Dichloropropane	5	5.9	118	70-130
124-48-1	Dibromochloromethane	5	5.2	104	70-130
75-71-8	Dichlorodifluoromethane	5	4.8	96	60-140
156-59-2	cis-1,2-Dichloroethylene	5	5.4	108	70-130
10061-01-5	cis-1,3-Dichloropropene	5	5.0	100	70-130
541-73-1	m-Dichlorobenzene	5	5.3	106	70-130
95-50-1	o-Dichlorobenzene	5	5.3	106	70-130
106-46-7	p-Dichlorobenzene	5	5.4	108	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.7	114	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.0	100	70-130
100-41-4	Ethylbenzene	5	5.3	106	70-130
64-17-5	Ethyl Alcohol	500	424	85	70-130
591-78-6	2-Hexanone	25	23.2	93	70-130

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-BS	A009498.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	5	5.4	108	70-130
99-87-6	p-Isopropyltoluene	5	5.3	106	70-130
108-10-1	4-Methyl-2-pentanone	25	23.8	95	70-130
74-83-9	Methyl bromide	5	6.9	138	60-140
74-87-3	Methyl chloride	5	5.4	108	60-140
75-09-2	Methylene chloride	5	5.8	116	70-130
78-93-3	Methyl ethyl ketone	25	24.8	99	70-130
1634-04-4	Methyl Tert Butyl Ether	5	5.4	108	70-130
91-20-3	Naphthalene	5	4.9	98	70-130
103-65-1	n-Propylbenzene	5	5.3	106	70-130
100-42-5	Styrene	5	5.0	100	70-130
71-55-6	1,1,1-Trichloroethane	5	6.1	122	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	4.8	96	70-130
79-00-5	1,1,2-Trichloroethane	5	5.3	106	70-130
87-61-6	1,2,3-Trichlorobenzene	5	5.1	102	70-130
96-18-4	1,2,3-Trichloropropane	5	5.3	106	70-130
120-82-1	1,2,4-Trichlorobenzene	5	5.4	108	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.2	104	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.3	106	70-130
127-18-4	Tetrachloroethylene	5	5.6	112	70-130
108-88-3	Toluene	5	5.2	104	70-130
79-01-6	Trichloroethylene	5	5.6	112	70-130
75-69-4	Trichlorofluoromethane	5	8.3	166*	60-140
75-01-4	Vinyl chloride	5	5.6	112	60-140
108-05-4	Vinyl Acetate	25	23.6	94	70-130
	m,p-Xylene	10	10.7	107	70-130
95-47-6	o-Xylene	5	5.2	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
17060-07-0	1,2-Dichloroethane-D4	109%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-BS	A009537.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
75-34-3	1,1-Dichloroethane	5	5.5	110	70-130
75-01-4	Vinyl chloride	5	5.0	100	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	111%	70-130%
17060-07-0	1,2-Dichloroethane-D4	110%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70137-1MS	A009502.D	100	12/23/09	TD	n/a	n/a	VA362
F70137-1MSD	A009503.D	100	12/23/09	TD	n/a	n/a	VA362
F70137-1	A009501.D	100	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	F70137-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		2500	3430	137*	3770	151*	9	70-130/20
71-43-2	Benzene	76.2		500	588	102	646	114	9	70-130/20
108-86-1	Bromobenzene	ND		500	521	104	570	114	9	70-130/20
74-97-5	Bromochloromethane	ND		500	560	112	607	121	8	70-130/20
75-27-4	Bromodichloromethane	ND		500	484	97	524	105	8	70-130/20
75-25-2	Bromoform	ND		500	312	62*	338	68*	8	70-130/20
104-51-8	n-Butylbenzene	18.9	J	500	545	105	603	117	10	70-130/20
135-98-8	sec-Butylbenzene	15.3	J	500	542	105	595	116	9	70-130/20
98-06-6	tert-Butylbenzene	ND		500	533	107	587	117	10	70-130/20
108-90-7	Chlorobenzene	ND		500	514	103	559	112	8	70-130/20
75-00-3	Chloroethane	ND		500	687	137	586	117	16	60-140/20
67-66-3	Chloroform	42.5	JB	500	598	111	650	122	8	70-130/20
95-49-8	o-Chlorotoluene	12.9	J	500	538	105	589	115	9	70-130/20
106-43-4	p-Chlorotoluene	ND		500	512	102	563	113	9	70-130/20
56-23-5	Carbon tetrachloride	ND		500	603	121	657	131*	9	70-130/20
75-34-3	1,1-Dichloroethane	ND		500	536	107	586	117	9	70-130/20
75-35-4	1,1-Dichloroethylene	ND		500	647	129	701	140*	8	70-130/20
563-58-6	1,1-Dichloropropene	ND		500	538	108	597	119	10	70-130/20
106-93-4	1,2-Dibromoethane	ND		500	535	107	571	114	7	70-130/20
107-06-2	1,2-Dichloroethane	ND		500	592	118	634	127	7	70-130/20
78-87-5	1,2-Dichloropropane	ND		500	512	102	554	111	8	70-130/20
142-28-9	1,3-Dichloropropane	ND		500	519	104	559	112	7	70-130/20
108-20-3	Di-Isopropyl ether	ND		500	493	99	536	107	8	70-130/20
594-20-7	2,2-Dichloropropane	ND		500	565	113	611	122	8	70-130/20
124-48-1	Dibromochloromethane	ND		500	407	81	436	87	7	70-130/20
75-71-8	Dichlorodifluoromethane	ND		500	445	89	425	85	5	60-140/20
156-59-2	cis-1,2-Dichloroethylene	ND		500	533	107	590	118	10	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		500	490	98	530	106	8	70-130/20
541-73-1	m-Dichlorobenzene	ND		500	524	105	573	115	9	70-130/20
95-50-1	o-Dichlorobenzene	ND		500	526	105	571	114	8	70-130/20
106-46-7	p-Dichlorobenzene	ND		500	526	105	573	115	9	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		500	555	111	605	121	9	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		500	497	99	541	108	8	70-130/20
100-41-4	Ethylbenzene	931		500	1440	102	1550	124	7	70-130/20
64-17-5	Ethyl Alcohol	ND		10000	40400	404*	43500	435*	7	70-130/20
591-78-6	2-Hexanone	ND		2500	2400	96	2530	101	5	70-130/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70137-1MS	A009502.D	100	12/23/09	TD	n/a	n/a	VA362
F70137-1MSD	A009503.D	100	12/23/09	TD	n/a	n/a	VA362
F70137-1	A009501.D	100	12/23/09	TD	n/a	n/a	VA362

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-1, F70190-2, F70190-3, F70190-4

CAS No.	Compound	F70137-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	121		500	672	110	729	122	8	70-130/20
99-87-6	p-Isopropyltoluene	ND		500	526	105	580	116	10	70-130/20
108-10-1	4-Methyl-2-pentanone	ND		2500	2430	97	2540	102	4	70-130/20
74-83-9	Methyl bromide	ND		500	621	124	585	117	6	60-140/20
74-87-3	Methyl chloride	ND		500	501	100	465	93	7	60-140/20
75-09-2	Methylene chloride	897	B	500	723	-35*	773	-25*	7	70-130/20
78-93-3	Methyl ethyl ketone	ND		2500	2520	101	2700	108	7	70-130/20
1634-04-4	Methyl Tert Butyl Ether	42.1	J	500	573	106	608	113	6	70-130/20
91-20-3	Naphthalene	224		500	754	106	834	122	10	70-130/20
103-65-1	n-Propylbenzene	222		500	744	104	825	121	10	70-130/20
100-42-5	Styrene	ND		500	487	97	531	106	9	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		500	596	119	647	129	8	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	487	97	530	106	8	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		500	538	108	584	117	8	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		500	509	102	557	111	9	70-130/20
96-18-4	1,2,3-Trichloropropane	ND		500	503	101	557	111	10	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		500	539	108	578	116	7	70-130/20
95-63-6	1,2,4-Trimethylbenzene	939		500	1470	106	1640	140*	11	70-130/20
108-67-8	1,3,5-Trimethylbenzene	112		500	640	106	706	119	10	70-130/20
127-18-4	Tetrachloroethylene	ND		500	557	111	604	121	8	70-130/20
108-88-3	Toluene	10.9	J	500	526	103	578	113	9	70-130/20
79-01-6	Trichloroethylene	ND		500	539	108	586	117	8	70-130/20
75-69-4	Trichlorofluoromethane	ND		500	763	153*	647	129	16	60-140/20
75-01-4	Vinyl chloride	ND		500	519	104	489	98	6	60-140/20
108-05-4	Vinyl Acetate	ND		2500	2380	95	2410	96	1	70-130/20
	m,p-Xylene	812		1000	1850	104	2010	120	8	70-130/20
95-47-6	o-Xylene	ND		500	528	106	574	115	8	70-130/20

CAS No.	Surrogate Recoveries	MS	MSD	F70137-1	Limits
1868-53-7	Dibromofluoromethane	109%	108%	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	110%	108%	108%	70-130%
2037-26-5	Toluene-D8	99%	100%	96%	70-130%
460-00-4	4-Bromofluorobenzene	96%	98%	95%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70298-1MS	A009506.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1MSD	A009507.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1	A009524.D	2000	12/24/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	F70298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50000	55300	111	62900	126	13	70-130/20
71-43-2	Benzene	5730		10000	14800	91	16000	103	8	70-130/20
108-86-1	Bromobenzene	ND		10000	9860	99	10600	106	7	70-130/20
74-97-5	Bromochloromethane	ND		10000	10000	100	10900	109	9	70-130/20
75-27-4	Bromodichloromethane	ND		10000	9760	98	10700	107	9	70-130/20
75-25-2	Bromoform	ND		10000	8480	85	9610	96	12	70-130/20
104-51-8	n-Butylbenzene	ND		10000	9610	96	10500	105	9	70-130/20
135-98-8	sec-Butylbenzene	ND		10000	9650	97	10600	106	9	70-130/20
98-06-6	tert-Butylbenzene	ND		10000	9790	98	10700	107	9	70-130/20
108-90-7	Chlorobenzene	ND		10000	9800	98	10600	106	8	70-130/20
75-00-3	Chloroethane	ND		10000	24900	249*	24400	244*	2	60-140/20
67-66-3	Chloroform	555	J	10000	10900	103	12000	114	10	70-130/20
95-49-8	o-Chlorotoluene	ND		10000	9870	99	10700	107	8	70-130/20
106-43-4	p-Chlorotoluene	ND		10000	9480	95	10300	103	8	70-130/20
56-23-5	Carbon tetrachloride	ND		10000	11000	110	12300	123	11	70-130/20
75-34-3	1,1-Dichloroethane	ND		10000	9830	98	10900	109	10	70-130/20
75-35-4	1,1-Dichloroethylene	ND		10000	11500	115	13100	131*	13	70-130/20
563-58-6	1,1-Dichloropropene	ND		10000	9900	99	11000	110	11	70-130/20
106-93-4	1,2-Dibromoethane	ND		10000	9630	96	10300	103	7	70-130/20
107-06-2	1,2-Dichloroethane	208	J	10000	10900	107	11800	116	8	70-130/20
78-87-5	1,2-Dichloropropane	ND		10000	9290	93	10200	102	9	70-130/20
142-28-9	1,3-Dichloropropane	ND		10000	9270	93	10100	101	9	70-130/20
108-20-3	Di-Isopropyl ether	ND		10000	8950	90	9850	99	10	70-130/20
594-20-7	2,2-Dichloropropane	ND		10000	10000	100	11000	110	10	70-130/20
124-48-1	Dibromochloromethane	ND		10000	9360	94	10400	104	11	70-130/20
75-71-8	Dichlorodifluoromethane	ND		10000	9190	92	9030	90	2	60-140/20
156-59-2	cis-1,2-Dichloroethylene	ND		10000	9930	99	11000	110	10	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		10000	9040	90	9850	99	9	70-130/20
541-73-1	m-Dichlorobenzene	ND		10000	9670	97	10600	106	9	70-130/20
95-50-1	o-Dichlorobenzene	ND		10000	9670	97	10500	105	8	70-130/20
106-46-7	p-Dichlorobenzene	ND		10000	9690	97	10600	106	9	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		10000	10100	101	11200	112	10	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		10000	9000	90	9840	98	9	70-130/20
100-41-4	Ethylbenzene	2170		10000	11500	93	12600	104	9	70-130/20
64-17-5	Ethyl Alcohol	ND		200000	822000	411*	812000	406*	1	70-130/20
591-78-6	2-Hexanone	ND		50000	40500	81	44500	89	9	70-130/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70298-1MS	A009506.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1MSD	A009507.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1	A009524.D	2000	12/24/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	F70298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		10000	9660	97	10700	107	10	70-130/20
99-87-6	p-Isopropyltoluene	ND		10000	9690	97	10700	107	10	70-130/20
108-10-1	4-Methyl-2-pentanone	ND		50000	42100	84	45600	91	8	70-130/20
74-83-9	Methyl bromide	ND		10000	13500	135	12600	126	7	60-140/20
74-87-3	Methyl chloride	ND		10000	10200	102	9840	98	4	60-140/20
75-09-2	Methylene chloride	8160		10000	11900	37*	12400	42*	4	70-130/20
78-93-3	Methyl ethyl ketone	ND		50000	43300	87	47100	94	8	70-130/20
1634-04-4	Methyl Tert Butyl Ether	228	J	10000	9710	95	10700	105	10	70-130/20
91-20-3	Naphthalene	ND		10000	8990	90	9840	98	9	70-130/20
103-65-1	n-Propylbenzene	304	J	10000	9900	96	10700	104	8	70-130/20
100-42-5	Styrene	ND		10000	8950	90	9900	99	10	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		10000	10800	108	12000	120	11	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		10000	8820	88	9400	94	6	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		10000	9500	95	10300	103	8	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		10000	9200	92	10100	101	9	70-130/20
96-18-4	1,2,3-Trichloropropane	ND		10000	9340	93	10300	103	10	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		10000	9760	98	10600	106	8	70-130/20
95-63-6	1,2,4-Trimethylbenzene	2130		10000	11600	95	12500	104	7	70-130/20
108-67-8	1,3,5-Trimethylbenzene	564	J	10000	10300	97	11100	105	7	70-130/20
127-18-4	Tetrachloroethylene	ND		10000	10100	101	11100	111	9	70-130/20
108-88-3	Toluene	16000		10000	24400	84	26300	103	7	70-130/20
79-01-6	Trichloroethylene	ND		10000	10000	100	10900	109	9	70-130/20
75-69-4	Trichlorofluoromethane	ND		10000	15100	151*	15400	154*	2	60-140/20
75-01-4	Vinyl chloride	ND		10000	10600	106	10500	105	1	60-140/20
108-05-4	Vinyl Acetate	ND		50000	45800	92	46800	94	2	70-130/20
	m,p-Xylene	7920		20000	26500	93	28900	105	9	70-130/20
95-47-6	o-Xylene	3360		10000	12500	91	13700	103	9	70-130/20

CAS No.	Surrogate Recoveries	MS	MSD	F70298-1	Limits
1868-53-7	Dibromofluoromethane	107%	107%	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	107%	107%	70-130%
2037-26-5	Toluene-D8	98%	98%	94%	70-130%
460-00-4	4-Bromofluorobenzene	97%	96%	95%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70223-1MS	A009555.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1MSD	A009556.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1	A009547.D	1000	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70190-6

CAS No.	Compound	F70223-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
75-34-3	1,1-Dichloroethane	ND		5000	5340	107	5510	110	3	70-130/20
75-01-4	Vinyl chloride	ND		5000	5240	105	5820	116	10	60-140/20

CAS No.	Surrogate Recoveries	MS	MSD	F70223-1	Limits
1868-53-7	Dibromofluoromethane	109%	109%	106%	70-130%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	105%	70-130%
2037-26-5	Toluene-D8	98%	98%	95%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	98%	70-130%

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-MB	U015757.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-MB	U015757.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Result	RL	MDL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	14-62%
4165-62-2	Phenol-d5	27%	10-40%
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	79%	42-108%
321-60-8	2-Fluorobiphenyl	72%	40-106%
1718-51-0	Terphenyl-d14	79%	39-121%

Method Blank Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-MB	U015757.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:**

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-BS	U015756.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	21.1	21	10-50
95-57-8	2-Chlorophenol	50	39.6	79	44-103
59-50-7	4-Chloro-3-methyl phenol	50	41.3	83	53-105
120-83-2	2,4-Dichlorophenol	50	43.7	87	53-108
105-67-9	2,4-Dimethylphenol	50	32.3	65	37-91
51-28-5	2,4-Dinitrophenol	100	80.6	81	37-111
534-52-1	4,6-Dinitro-o-cresol	100	89.2	89	62-115
95-48-7	2-Methylphenol	50	33.5	67	35-91
	3&4-Methylphenol	100	60.7	61	32-85
88-75-5	2-Nitrophenol	50	44.8	90	49-111
100-02-7	4-Nitrophenol	100	30.1	30	13-55
87-86-5	Pentachlorophenol	100	78.2	78	57-118
108-95-2	Phenol	50	18.4	37	13-54
88-06-2	2,4,6-Trichlorophenol	50	43.1	86	58-107
83-32-9	Acenaphthene	50	44.1	88	58-106
208-96-8	Acenaphthylene	50	41.0	82	58-105
120-12-7	Anthracene	50	40.7	81	65-108
56-55-3	Benzo(a)anthracene	50	45.5	91	63-111
50-32-8	Benzo(a)pyrene	50	43.5	87	62-106
205-99-2	Benzo(b)fluoranthene	50	44.1	88	63-109
191-24-2	Benzo(g,h,i)perylene	50	46.7	93	61-111
207-08-9	Benzo(k)fluoranthene	50	44.1	88	64-111
101-55-3	4-Bromophenyl phenyl ether	50	43.3	87	64-107
85-68-7	Butyl benzyl phthalate	50	44.3	89	59-114
100-51-6	Benzyl Alcohol	50	35.7	71	34-98
91-58-7	2-Chloronaphthalene	50	40.6	81	54-105
106-47-8	4-Chloroaniline	50	41.2	82	53-103
218-01-9	Chrysene	50	44.5	89	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	44.5	89	48-101
111-44-4	bis(2-Chloroethyl)ether	50	43.2	86	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	43.9	88	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	42.3	85	61-107
95-50-1	1,2-Dichlorobenzene	50	31.0	62	41-102
122-66-7	1,2-Diphenylhydrazine	50	43.6	87	61-110
541-73-1	1,3-Dichlorobenzene	50	28.5	57	38-100
106-46-7	1,4-Dichlorobenzene	50	29.1	58	40-100

Blank Spike Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-BS	U015756.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	41.4	83	60-109
606-20-2	2,6-Dinitrotoluene	50	41.1	82	58-104
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	57-105
53-70-3	Dibenzo(a,h)anthracene	50	46.4	93	62-112
132-64-9	Dibenzofuran	50	41.5	83	61-108
84-74-2	Di-n-butyl phthalate	50	42.6	85	62-109
117-84-0	Di-n-octyl phthalate	50	38.9	78	60-120
84-66-2	Diethyl phthalate	50	42.2	84	62-109
131-11-3	Dimethyl phthalate	50	42.2	84	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.5	89	59-116
206-44-0	Fluoranthene	50	42.9	86	65-114
86-73-7	Fluorene	50	44.3	89	61-106
118-74-1	Hexachlorobenzene	50	42.7	85	62-107
87-68-3	Hexachlorobutadiene	50	30.5	61	38-107
77-47-4	Hexachlorocyclopentadiene	50	29.0	58	19-84
67-72-1	Hexachloroethane	50	26.7	53	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	47.4	95	61-113
78-59-1	Isophorone	50	36.4	73	56-111
91-57-6	2-Methylnaphthalene	50	40.5	81	56-112
91-20-3	Naphthalene	50	38.9	78	50-104
98-95-3	Nitrobenzene	50	43.1	86	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	40.7	81	51-104
86-30-6	N-Nitrosodiphenylamine	50	42.7	85	57-110
85-01-8	Phenanthrene	50	45.3	91	65-108
129-00-0	Pyrene	50	45.2	90	60-113
120-82-1	1,2,4-Trichlorobenzene	50	33.0	66	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	48%	14-62%
4165-62-2	Phenol-d5	30%	10-40%
118-79-6	2,4,6-Tribromophenol	84%	33-118%
4165-60-0	Nitrobenzene-d5	84%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	82%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-MS	U015764.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
OP31300-MSD	U015765.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
F70190-4	U015763.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	F70190-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	102	53*	95.8	50	6	10-50/40
95-57-8	2-Chlorophenol	ND		96.2	79.8	83	77.6	81	3	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	84.8	88	82.6	86	3	53-105/24
120-83-2	2,4-Dichlorophenol	ND		96.2	85.6	89	84.7	88	1	53-108/26
105-67-9	2,4-Dimethylphenol	ND		96.2	65.4	68	65.1	68	0	37-91/28
51-28-5	2,4-Dinitrophenol	ND		192	164	85	162	84	1	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		192	176	92	173	90	2	62-115/26
95-48-7	2-Methylphenol	ND		96.2	75.4	78	72.5	75	4	35-91/30
	3&4-Methylphenol	ND		192	144	75	138	72	4	32-85/29
88-75-5	2-Nitrophenol	ND		96.2	85.9	89	85.3	89	1	49-111/30
100-02-7	4-Nitrophenol	ND		192	109	57*	103	54	6	13-55/31
87-86-5	Pentachlorophenol	ND		192	163	85	158	82	3	57-118/26
108-95-2	Phenol	ND		96.2	56.4	59*	49.1	51	14	13-54/34
88-06-2	2,4,6-Trichlorophenol	ND		96.2	85.1	89	83.1	86	2	58-107/24
83-32-9	Acenaphthene	ND		96.2	88.0	92	85.9	89	2	58-106/21
208-96-8	Acenaphthylene	ND		96.2	82.0	85	79.6	83	3	58-105/21
120-12-7	Anthracene	ND		96.2	81.7	85	78.9	82	3	65-108/19
56-55-3	Benzo(a)anthracene	ND		96.2	90.7	94	87.0	90	4	63-111/19
50-32-8	Benzo(a)pyrene	ND		96.2	87.0	90	83.0	86	5	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		96.2	88.7	92	84.5	88	5	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		96.2	92.7	96	88.4	92	5	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		96.2	87.0	90	83.0	86	5	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	86.1	90	82.3	86	5	64-107/20
85-68-7	Butyl benzyl phthalate	ND		96.2	88.9	92	82.7	86	7	59-114/20
100-51-6	Benzyl Alcohol	ND		96.2	79.1	82	60.6	63	26	34-98/27
91-58-7	2-Chloronaphthalene	ND		96.2	81.7	85	81.0	84	1	54-105/24
106-47-8	4-Chloroaniline	ND		96.2	72.3	75	29.9	31*	83*	53-103/22
218-01-9	Chrysene	ND		96.2	89.0	93	85.1	89	4	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	85.5	89	83.3	87	3	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	82.7	86	80.7	84	2	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	85.9	89	83.2	87	3	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	84.9	88	81.8	85	4	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		96.2	79.9	83	77.6	81	3	41-102/28
122-66-7	1,2-Diphenylhydrazine	ND		96.2	86.1	90	83.5	87	3	61-110/20
541-73-1	1,3-Dichlorobenzene	ND		96.2	77.8	81	75.2	78	3	38-100/28
106-46-7	1,4-Dichlorobenzene	ND		96.2	78.9	82	76.5	80	3	40-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70190
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31300-MS	U015764.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
OP31300-MSD	U015765.D	1	12/18/09	NAF	12/17/09	OP31300	SU765
F70190-4	U015763.D	1	12/18/09	NAF	12/17/09	OP31300	SU765

The QC reported here applies to the following samples: **Method:** EPA 625

F70190-1, F70190-2, F70190-3, F70190-4, F70190-5, F70190-6, F70190-7, F70190-8, F70190-9, F70190-10, F70190-11

CAS No.	Compound	F70190-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	ND		96.2	83.6	87	80.3	84	4	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		96.2	81.5	85	79.6	83	2	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	72.5	75	62.3	65	15	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	98.5	102	92.8	97	6	62-112/20
132-64-9	Dibenzofuran	ND		96.2	84.2	88	73.8	77	13	61-108/20
84-74-2	Di-n-butyl phthalate	ND		96.2	85.6	89	81.1	84	5	62-109/20
117-84-0	Di-n-octyl phthalate	ND		96.2	80.4	84	71.4	74	12	60-120/24
84-66-2	Diethyl phthalate	ND		96.2	84.7	88	80.6	84	5	62-109/19
131-11-3	Dimethyl phthalate	ND		96.2	84.6	88	80.7	84	5	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	89.3	93	82.1	85	8	59-116/21
206-44-0	Fluoranthene	ND		96.2	86.3	90	84.1	87	3	65-114/21
86-73-7	Fluorene	ND		96.2	88.6	92	85.4	89	4	61-106/19
118-74-1	Hexachlorobenzene	ND		96.2	84.1	87	81.2	84	4	62-107/20
87-68-3	Hexachlorobutadiene	ND		96.2	82.3	86	81.8	85	1	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		96.2	67.9	71	70.9	74	4	19-84/35
67-72-1	Hexachloroethane	ND		96.2	79.4	83	77.0	80	3	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	94.4	98	90.2	94	5	61-113/20
78-59-1	Isophorone	ND		96.2	70.3	73	68.8	72	2	56-111/26
91-57-6	2-Methylnaphthalene	ND		96.2	85.0	88	75.0	78	13	56-112/26
91-20-3	Naphthalene	ND		96.2	84.7	88	84.0	87	1	50-104/28
98-95-3	Nitrobenzene	ND		96.2	82.9	86	81.8	85	1	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	78.6	82	75.6	79	4	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		96.2	84.7	88	81.4	85	4	57-110/19
85-01-8	Phenanthrene	ND		96.2	89.8	93	87.0	90	3	65-108/20
129-00-0	Pyrene	ND		96.2	89.2	93	83.8	87	6	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	78.7	82	77.5	81	2	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F70190-4	Limits
367-12-4	2-Fluorophenol	66%*	63%*	38%	14-62%
4165-62-2	Phenol-d5	50%*	47%*	24%	10-40%
118-79-6	2,4,6-Tribromophenol	86%	82%	78%	33-118%
4165-60-0	Nitrobenzene-d5	84%	81%	77%	42-108%
321-60-8	2-Fluorobiphenyl	80%	77%	72%	40-106%
1718-51-0	Terphenyl-d14	83%	72%	72%	39-121%

Technical Report for

Highlands Environmental Solutions, Inc

S7001; Durham, NC

Accutest Job Number: F70222

Sampling Date: 12/16/09

Report to:

Highlands Environmental Solutions, Inc
8410-D Falls of Neuse Rd
Raleigh, NC 27615
jbeaman@hesnc.com

ATTN: Joe Beaman

Total number of pages in report: 48

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Sample Summary

Highlands Environmental Solutions, Inc

S7001; Durham, NC

Job No: F70222

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
F70222-1	12/16/09	09:30	TD	12/17/09	AQ	Ground Water	MW-20D
F70222-2	12/16/09	11:00	TD	12/17/09	AQ	Ground Water	MW-11
F70222-3	12/16/09	12:10	TD	12/17/09	AQ	Ground Water	MW-28D
F70222-4	12/16/09	12:46	TD	12/17/09	AQ	Ground Water	MW-13
F70222-5	12/16/09	13:40	TD	12/17/09	AQ	Ground Water	MW-30

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	F70222-1	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009519.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	0.21	0.50	0.060	ug/l	J
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	0.45	0.50	0.070	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	0.53	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	11.8	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.48	0.50	0.070	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	F70222-1	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.26	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	2.1	2.5	1.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	0.99	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	2.4	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
17060-07-0	1,2-Dichloroethane-D4	110%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	F70222-1	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X009085.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	F70222-1	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	29%		10-40%
118-79-6	2,4,6-Tribromophenol	91%		33-118%
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	82%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	F70222-2	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009520.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	0.11	0.50	0.070	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	1.5	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.077	0.50	0.070	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	F70222-2	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.13	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.62	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	0.10	0.50	0.060	ug/l	J
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
17060-07-0	1,2-Dichloroethane-D4	112%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	F70222-2	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X009088.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.98	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	3.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.98	ug/l	
	3&4-Methylphenol	ND	4.9	0.98	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	0.98	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.4	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.98	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	0.98	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.98	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.98	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.98	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	F70222-2	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.98	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.98	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.8	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.98	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	0.98	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	0.98	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.0	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.3	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.1	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.98	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.98	ug/l	
129-00-0	Pyrene	ND	4.9	0.98	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		14-62%
4165-62-2	Phenol-d5	29%		10-40%
118-79-6	2,4,6-Tribromophenol	87%		33-118%
4165-60-0	Nitrobenzene-d5	78%		42-108%
321-60-8	2-Fluorobiphenyl	78%		40-106%
1718-51-0	Terphenyl-d14	81%		39-121%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	F70222-3	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009521.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	3.4	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	3.0	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	1.0	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.4	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	F70222-3	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.13	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.57	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	0.75	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	0.58	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
17060-07-0	1,2-Dichloroethane-D4	114%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	F70222-3	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X009089.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.97	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	3.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	0.97	ug/l	
	3&4-Methylphenol	ND	4.9	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	0.97	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	1.4	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	0.97	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	0.97	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	0.97	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	F70222-3	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.97	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	4.9	0.97	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.97	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.97	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	0.97	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	0.97	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.7	1.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	0.97	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	0.97	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	0.97	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.9	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.4	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.3	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.1	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	0.97	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	76%		33-118%
4165-60-0	Nitrobenzene-d5	64%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	F70222-4	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009522.D	1	12/24/09	TD	n/a	n/a	VA363
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	1.1	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	0.73	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	0.13	0.50	0.070	ug/l	J
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	3.4	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.5	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	F70222-4	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	0.20	0.50	0.090	ug/l	J
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.67	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	0.092	0.50	0.090	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	0.46	0.50	0.060	ug/l	J
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		70-130%
17060-07-0	1,2-Dichloroethane-D4	115%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	F70222-4	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X009090.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.9	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.99	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.9	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.99	ug/l	
	3&4-Methylphenol	ND	5.0	0.99	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.9	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.9	ug/l	
108-95-2	Phenol	ND	5.0	0.99	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.99	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.99	ug/l	
120-12-7	Anthracene	ND	5.0	0.99	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.99	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.99	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.99	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.99	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.99	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	0.99	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	0.99	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	0.99	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.99	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.99	ug/l	
218-01-9	Chrysene	ND	5.0	0.99	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.99	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.99	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.99	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	0.99	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	F70222-4	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.99	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	0.99	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.99	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.99	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.99	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.99	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.9	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.99	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.99	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	0.99	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	0.99	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.99	ug/l	
86-73-7	Fluorene	ND	5.0	0.99	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.99	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	0.99	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.99	ug/l	
91-20-3	Naphthalene	ND	5.0	0.99	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.99	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	0.99	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.99	ug/l	
129-00-0	Pyrene	ND	5.0	0.99	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.99	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	25%		10-40%
118-79-6	2,4,6-Tribromophenol	85%		33-118%
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	76%		40-106%
1718-51-0	Terphenyl-d14	73%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	F70222-5	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A009545.D	1	12/24/09	TD	n/a	n/a	VA364
Run #2 [a]	A009523.D	1	12/24/09	TD	n/a	n/a	VA363

	Purge Volume
Run #1	25.0 ml
Run #2	25.0 ml

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	3.6	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	0.32	0.50	0.10	ug/l	J
135-98-8	sec-Butylbenzene	0.51	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	0.23	0.50	0.070	ug/l	J
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	0.55	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	F70222-5	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

VOA List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	1.2	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	
98-82-8	Isopropylbenzene	0.67	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	0.13	0.50	0.060	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	1.5	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	1.1	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.85	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.31	0.50	0.10	ug/l	J
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	2.4	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	1.7	1.0	0.090	ug/l	
95-47-6	o-Xylene	0.60	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%	115%	70-130%
17060-07-0	1,2-Dichloroethane-D4	115%	118%	70-130%
2037-26-5	Toluene-D8	90%	90%	70-130%
460-00-4	4-Bromofluorobenzene	96%	93%	70-130%

(a) Confirmation run for internal standard areas.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	F70222-5	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	X009091.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
Run #2 [b]	X009156.D	1	12/30/09	NAF	12/29/09	OP31404	SX475

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1020 ml	1.0 ml

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	2.3	5.0	1.0	ug/l	J
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	F70222-5	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	3.9	5.0	1.0	ug/l	J
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	2.3	5.0	1.0	ug/l	J
91-20-3	Naphthalene	1.2	5.0	1.0	ug/l	J
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	4.2	5.0	1.0	ug/l	J
129-00-0	Pyrene	2.5	5.0	1.0	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%	40%	14-62%
4165-62-2	Phenol-d5	25%	24%	10-40%
118-79-6	2,4,6-Tribromophenol	81%	103%	33-118%
4165-60-0	Nitrobenzene-d5	79%	82%	42-108%
321-60-8	2-Fluorobiphenyl	66%	84%	40-106%
1718-51-0	Terphenyl-d14	28%	70%	39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	F70222-5	**Date Sampled:**	12/16/09
Matrix:	AQ - Ground Water	**Date Received:**	12/17/09
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	S7001; Durham, NC		

ABN List for NC

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Confirmed by re-extraction and reanalysis beyond holdtime.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F70222 PAGE 1 OF 1
Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: Highlands Environmental
Address: 5410-D Fayetteville Road
City: Durham State: NC Zip: 27713
Project Contact: Joe Brown E-mail: jbrown@highlandsenv.com
Phone #: 919-544-3155
Sampler(s) Name(s) (Printed): Tyrel DeShong

Project Information

Project Name: 57001
Street: Deerfield
City: Durham State: NC
Project #: 57001
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	Total # of Bottles	Container Information: Other	None	HCl	H2SO4	HNO3	NaOH/ZnAc	DI Water	MeOH	6240-D	625
1	MW-20D	6/6/11	930	TD	GW	5		X	X						X	X
2	MW-11		1100													
3	MW-28D		1210													
4	MW-13		1246													
5	MW-30		1340	↓	↓	↓		↓	↓						↓	↓

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [ ] 10 Days Standard
- [x] 7 Day ~~RUSH~~ Standard
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Tyrel DeShong	6/6/11 1500	2 Brent Roddy	3 FX		4 Accutest
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8 12-17-09 09:50

Lab Use Only: Custody Seal In Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.2 1.8

3.1 (35)

F70222: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F70222 CLIENT: Highlands Env. PROJECT: ~~500T~~ 57001

DATE/TIME RECEIVED: 12.17.09 0920 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8692 9696 9043

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OR LAB FILTERED METALS ? 0

TEMPERATURE INFORMATION

- [ ] IR THERM ID 2 CORR. FACTOR +.4
- [ ] OBSERVED TEMPS: 1.8 1.4
- [ ] CORRECTED TEMPS: 2.2 1.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE: ET 12.17.09 REVIEWER SIGNATURE/DATE: VC 12-17-09

NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

3.1

F70222: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F70222

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-MB	A009499.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-MB	A009499.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	106%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-MB	A009538.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/l	
71-43-2	Benzene	ND	0.50	0.060	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.090	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.16	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.060	ug/l	
75-25-2	Bromoform	ND	0.50	0.10	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.10	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.10	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.10	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.050	ug/l	
75-00-3	Chloroethane	ND	0.50	0.10	ug/l	
67-66-3	Chloroform	ND	0.50	0.050	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.050	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.060	ug/l	
56-23-5	Carbon tetrachloride	ND	0.50	0.060	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.070	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.14	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.070	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.090	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.070	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.070	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.080	ug/l	
108-20-3	Di-Isopropyl ether	ND	0.50	0.050	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.050	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.060	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.070	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.060	ug/l	
541-73-1	m-Dichlorobenzene	ND	0.50	0.080	ug/l	
95-50-1	o-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	p-Dichlorobenzene	ND	0.50	0.12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.10	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.050	ug/l	
64-17-5	Ethyl Alcohol	ND	100	50	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-MB	A009538.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.50	0.050	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.060	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.5	1.0	ug/l	
74-83-9	Methyl bromide	ND	0.50	0.11	ug/l	
74-87-3	Methyl chloride	ND	0.50	0.090	ug/l	
75-09-2	Methylene chloride	ND	1.0	0.52	ug/l	
78-93-3	Methyl ethyl ketone	ND	2.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.060	ug/l	
91-20-3	Naphthalene	ND	0.50	0.34	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.050	ug/l	
100-42-5	Styrene	ND	0.50	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.090	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.12	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.11	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.080	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.29	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.060	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.10	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.090	ug/l	
108-88-3	Toluene	ND	0.50	0.060	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.060	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.050	ug/l	
75-01-4	Vinyl chloride	ND	0.50	0.090	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	0.16	ug/l	
	m,p-Xylene	ND	1.0	0.090	ug/l	
95-47-6	o-Xylene	ND	0.50	0.050	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-BS	A009498.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	25	31.9	128	70-130
71-43-2	Benzene	5	5.3	106	70-130
108-86-1	Bromobenzene	5	5.3	106	70-130
74-97-5	Bromochloromethane	5	5.6	112	70-130
75-27-4	Bromodichloromethane	5	5.4	108	70-130
75-25-2	Bromoform	5	4.7	94	70-130
104-51-8	n-Butylbenzene	5	5.4	108	70-130
135-98-8	sec-Butylbenzene	5	5.4	108	70-130
98-06-6	tert-Butylbenzene	5	5.4	108	70-130
108-90-7	Chlorobenzene	5	5.4	108	70-130
75-00-3	Chloroethane	5	13.7	274*	60-140
67-66-3	Chloroform	5	6.1	122	70-130
95-49-8	o-Chlorotoluene	5	5.4	108	70-130
106-43-4	p-Chlorotoluene	5	5.2	104	70-130
56-23-5	Carbon tetrachloride	5	6.2	124	70-130
75-34-3	1,1-Dichloroethane	5	5.5	110	70-130
75-35-4	1,1-Dichloroethylene	5	6.7	134*	70-130
563-58-6	1,1-Dichloropropene	5	5.6	112	70-130
106-93-4	1,2-Dibromoethane	5	5.3	106	70-130
107-06-2	1,2-Dichloroethane	5	6.0	120	70-130
78-87-5	1,2-Dichloropropane	5	5.1	102	70-130
142-28-9	1,3-Dichloropropane	5	5.1	102	70-130
108-20-3	Di-Isopropyl ether	5	5.0	100	70-130
594-20-7	2,2-Dichloropropane	5	5.9	118	70-130
124-48-1	Dibromochloromethane	5	5.2	104	70-130
75-71-8	Dichlorodifluoromethane	5	4.8	96	60-140
156-59-2	cis-1,2-Dichloroethylene	5	5.4	108	70-130
10061-01-5	cis-1,3-Dichloropropene	5	5.0	100	70-130
541-73-1	m-Dichlorobenzene	5	5.3	106	70-130
95-50-1	o-Dichlorobenzene	5	5.3	106	70-130
106-46-7	p-Dichlorobenzene	5	5.4	108	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.7	114	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.0	100	70-130
100-41-4	Ethylbenzene	5	5.3	106	70-130
64-17-5	Ethyl Alcohol	500	424	85	70-130
591-78-6	2-Hexanone	25	23.2	93	70-130

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA363-BS	A009498.D	1	12/23/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	5	5.4	108	70-130
99-87-6	p-Isopropyltoluene	5	5.3	106	70-130
108-10-1	4-Methyl-2-pentanone	25	23.8	95	70-130
74-83-9	Methyl bromide	5	6.9	138	60-140
74-87-3	Methyl chloride	5	5.4	108	60-140
75-09-2	Methylene chloride	5	5.8	116	70-130
78-93-3	Methyl ethyl ketone	25	24.8	99	70-130
1634-04-4	Methyl Tert Butyl Ether	5	5.4	108	70-130
91-20-3	Naphthalene	5	4.9	98	70-130
103-65-1	n-Propylbenzene	5	5.3	106	70-130
100-42-5	Styrene	5	5.0	100	70-130
71-55-6	1,1,1-Trichloroethane	5	6.1	122	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	4.8	96	70-130
79-00-5	1,1,2-Trichloroethane	5	5.3	106	70-130
87-61-6	1,2,3-Trichlorobenzene	5	5.1	102	70-130
96-18-4	1,2,3-Trichloropropane	5	5.3	106	70-130
120-82-1	1,2,4-Trichlorobenzene	5	5.4	108	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.2	104	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.3	106	70-130
127-18-4	Tetrachloroethylene	5	5.6	112	70-130
108-88-3	Toluene	5	5.2	104	70-130
79-01-6	Trichloroethylene	5	5.6	112	70-130
75-69-4	Trichlorofluoromethane	5	8.3	166*	60-140
75-01-4	Vinyl chloride	5	5.6	112	60-140
108-05-4	Vinyl Acetate	25	23.6	94	70-130
	m,p-Xylene	10	10.7	107	70-130
95-47-6	o-Xylene	5	5.2	104	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	70-130%
17060-07-0	1,2-Dichloroethane-D4	109%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-BS	A009537.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	25	35.0	140*	70-130
71-43-2	Benzene	5	5.2	104	70-130
108-86-1	Bromobenzene	5	5.3	106	70-130
74-97-5	Bromochloromethane	5	5.7	114	70-130
75-27-4	Bromodichloromethane	5	5.4	108	70-130
75-25-2	Bromoform	5	4.7	94	70-130
104-51-8	n-Butylbenzene	5	5.3	106	70-130
135-98-8	sec-Butylbenzene	5	5.3	106	70-130
98-06-6	tert-Butylbenzene	5	5.3	106	70-130
108-90-7	Chlorobenzene	5	5.4	108	70-130
75-00-3	Chloroethane	5	10.1	202*	60-140
67-66-3	Chloroform	5	6.1	122	70-130
95-49-8	o-Chlorotoluene	5	5.3	106	70-130
106-43-4	p-Chlorotoluene	5	5.2	104	70-130
56-23-5	Carbon tetrachloride	5	6.2	124	70-130
75-34-3	1,1-Dichloroethane	5	5.5	110	70-130
75-35-4	1,1-Dichloroethylene	5	6.5	130	70-130
563-58-6	1,1-Dichloropropene	5	5.5	110	70-130
106-93-4	1,2-Dibromoethane	5	5.2	104	70-130
107-06-2	1,2-Dichloroethane	5	6.1	122	70-130
78-87-5	1,2-Dichloropropane	5	5.1	102	70-130
142-28-9	1,3-Dichloropropane	5	5.1	102	70-130
108-20-3	Di-Isopropyl ether	5	5.0	100	70-130
594-20-7	2,2-Dichloropropane	5	5.8	116	70-130
124-48-1	Dibromochloromethane	5	5.1	102	70-130
75-71-8	Dichlorodifluoromethane	5	4.4	88	60-140
156-59-2	cis-1,2-Dichloroethylene	5	5.5	110	70-130
10061-01-5	cis-1,3-Dichloropropene	5	4.9	98	70-130
541-73-1	m-Dichlorobenzene	5	5.3	106	70-130
95-50-1	o-Dichlorobenzene	5	5.3	106	70-130
106-46-7	p-Dichlorobenzene	5	5.3	106	70-130
156-60-5	trans-1,2-Dichloroethylene	5	5.7	114	70-130
10061-02-6	trans-1,3-Dichloropropene	5	5.0	100	70-130
100-41-4	Ethylbenzene	5	5.2	104	70-130
64-17-5	Ethyl Alcohol	500	454	82	70-130
591-78-6	2-Hexanone	25	22.7	91	70-130

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA364-BS	A009537.D	1	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
98-82-8	Isopropylbenzene	5	5.3	106	70-130
99-87-6	p-Isopropyltoluene	5	5.3	106	70-130
108-10-1	4-Methyl-2-pentanone	25	23.7	95	70-130
74-83-9	Methyl bromide	5	6.0	120	60-140
74-87-3	Methyl chloride	5	4.9	98	60-140
75-09-2	Methylene chloride	5	5.7	114	70-130
78-93-3	Methyl ethyl ketone	25	25.2	101	70-130
1634-04-4	Methyl Tert Butyl Ether	5	5.3	106	70-130
91-20-3	Naphthalene	5	4.6	92	70-130
103-65-1	n-Propylbenzene	5	5.2	104	70-130
100-42-5	Styrene	5	4.9	98	70-130
71-55-6	1,1,1-Trichloroethane	5	6.1	122	70-130
79-34-5	1,1,2,2-Tetrachloroethane	5	4.9	98	70-130
79-00-5	1,1,2-Trichloroethane	5	5.2	104	70-130
87-61-6	1,2,3-Trichlorobenzene	5	5.0	100	70-130
96-18-4	1,2,3-Trichloropropane	5	5.2	104	70-130
120-82-1	1,2,4-Trichlorobenzene	5	5.3	106	70-130
95-63-6	1,2,4-Trimethylbenzene	5	5.2	104	70-130
108-67-8	1,3,5-Trimethylbenzene	5	5.2	104	70-130
127-18-4	Tetrachloroethylene	5	5.5	110	70-130
108-88-3	Toluene	5	5.1	102	70-130
79-01-6	Trichloroethylene	5	5.5	110	70-130
75-69-4	Trichlorofluoromethane	5	7.3	146*	60-140
75-01-4	Vinyl chloride	5	5.0	100	60-140
108-05-4	Vinyl Acetate	25	23.2	93	70-130
	m,p-Xylene	10	10.5	105	70-130
95-47-6	o-Xylene	5	5.1	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	111%	70-130%
17060-07-0	1,2-Dichloroethane-D4	110%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70298-1MS	A009506.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1MSD	A009507.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1	A009524.D	2000	12/24/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	F70298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50000	55300	111	62900	126	13	70-130/20
71-43-2	Benzene	5730		10000	14800	91	16000	103	8	70-130/20
108-86-1	Bromobenzene	ND		10000	9860	99	10600	106	7	70-130/20
74-97-5	Bromochloromethane	ND		10000	10000	100	10900	109	9	70-130/20
75-27-4	Bromodichloromethane	ND		10000	9760	98	10700	107	9	70-130/20
75-25-2	Bromoform	ND		10000	8480	85	9610	96	12	70-130/20
104-51-8	n-Butylbenzene	ND		10000	9610	96	10500	105	9	70-130/20
135-98-8	sec-Butylbenzene	ND		10000	9650	97	10600	106	9	70-130/20
98-06-6	tert-Butylbenzene	ND		10000	9790	98	10700	107	9	70-130/20
108-90-7	Chlorobenzene	ND		10000	9800	98	10600	106	8	70-130/20
75-00-3	Chloroethane	ND		10000	24900	249*	24400	244*	2	60-140/20
67-66-3	Chloroform	555	J	10000	10900	103	12000	114	10	70-130/20
95-49-8	o-Chlorotoluene	ND		10000	9870	99	10700	107	8	70-130/20
106-43-4	p-Chlorotoluene	ND		10000	9480	95	10300	103	8	70-130/20
56-23-5	Carbon tetrachloride	ND		10000	11000	110	12300	123	11	70-130/20
75-34-3	1,1-Dichloroethane	ND		10000	9830	98	10900	109	10	70-130/20
75-35-4	1,1-Dichloroethylene	ND		10000	11500	115	13100	131*	13	70-130/20
563-58-6	1,1-Dichloropropene	ND		10000	9900	99	11000	110	11	70-130/20
106-93-4	1,2-Dibromoethane	ND		10000	9630	96	10300	103	7	70-130/20
107-06-2	1,2-Dichloroethane	208	J	10000	10900	107	11800	116	8	70-130/20
78-87-5	1,2-Dichloropropane	ND		10000	9290	93	10200	102	9	70-130/20
142-28-9	1,3-Dichloropropane	ND		10000	9270	93	10100	101	9	70-130/20
108-20-3	Di-Isopropyl ether	ND		10000	8950	90	9850	99	10	70-130/20
594-20-7	2,2-Dichloropropane	ND		10000	10000	100	11000	110	10	70-130/20
124-48-1	Dibromochloromethane	ND		10000	9360	94	10400	104	11	70-130/20
75-71-8	Dichlorodifluoromethane	ND		10000	9190	92	9030	90	2	60-140/20
156-59-2	cis-1,2-Dichloroethylene	ND		10000	9930	99	11000	110	10	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		10000	9040	90	9850	99	9	70-130/20
541-73-1	m-Dichlorobenzene	ND		10000	9670	97	10600	106	9	70-130/20
95-50-1	o-Dichlorobenzene	ND		10000	9670	97	10500	105	8	70-130/20
106-46-7	p-Dichlorobenzene	ND		10000	9690	97	10600	106	9	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		10000	10100	101	11200	112	10	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		10000	9000	90	9840	98	9	70-130/20
100-41-4	Ethylbenzene	2170		10000	11500	93	12600	104	9	70-130/20
64-17-5	Ethyl Alcohol	ND		200000	822000	411*	812000	406*	1	70-130/20
591-78-6	2-Hexanone	ND		50000	40500	81	44500	89	9	70-130/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70298-1MS	A009506.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1MSD	A009507.D	2000	12/23/09	TD	n/a	n/a	VA363
F70298-1	A009524.D	2000	12/24/09	TD	n/a	n/a	VA363

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-1, F70222-2, F70222-3, F70222-4

CAS No.	Compound	F70298-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	ND		10000	9660	97	10700	107	10	70-130/20
99-87-6	p-Isopropyltoluene	ND		10000	9690	97	10700	107	10	70-130/20
108-10-1	4-Methyl-2-pentanone	ND		50000	42100	84	45600	91	8	70-130/20
74-83-9	Methyl bromide	ND		10000	13500	135	12600	126	7	60-140/20
74-87-3	Methyl chloride	ND		10000	10200	102	9840	98	4	60-140/20
75-09-2	Methylene chloride	8160		10000	11900	37*	12400	42*	4	70-130/20
78-93-3	Methyl ethyl ketone	ND		50000	43300	87	47100	94	8	70-130/20
1634-04-4	Methyl Tert Butyl Ether	228	J	10000	9710	95	10700	105	10	70-130/20
91-20-3	Naphthalene	ND		10000	8990	90	9840	98	9	70-130/20
103-65-1	n-Propylbenzene	304	J	10000	9900	96	10700	104	8	70-130/20
100-42-5	Styrene	ND		10000	8950	90	9900	99	10	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		10000	10800	108	12000	120	11	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		10000	8820	88	9400	94	6	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		10000	9500	95	10300	103	8	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		10000	9200	92	10100	101	9	70-130/20
96-18-4	1,2,3-Trichloropropane	ND		10000	9340	93	10300	103	10	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		10000	9760	98	10600	106	8	70-130/20
95-63-6	1,2,4-Trimethylbenzene	2130		10000	11600	95	12500	104	7	70-130/20
108-67-8	1,3,5-Trimethylbenzene	564	J	10000	10300	97	11100	105	7	70-130/20
127-18-4	Tetrachloroethylene	ND		10000	10100	101	11100	111	9	70-130/20
108-88-3	Toluene	16000		10000	24400	84	26300	103	7	70-130/20
79-01-6	Trichloroethylene	ND		10000	10000	100	10900	109	9	70-130/20
75-69-4	Trichlorofluoromethane	ND		10000	15100	151*	15400	154*	2	60-140/20
75-01-4	Vinyl chloride	ND		10000	10600	106	10500	105	1	60-140/20
108-05-4	Vinyl Acetate	ND		50000	45800	92	46800	94	2	70-130/20
	m,p-Xylene	7920		20000	26500	93	28900	105	9	70-130/20
95-47-6	o-Xylene	3360		10000	12500	91	13700	103	9	70-130/20

CAS No.	Surrogate Recoveries	MS	MSD	F70298-1	Limits
1868-53-7	Dibromofluoromethane	107%	107%	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	107%	107%	70-130%
2037-26-5	Toluene-D8	98%	98%	94%	70-130%
460-00-4	4-Bromofluorobenzene	97%	96%	95%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70223-1MS	A009555.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1MSD	A009556.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1	A009547.D	1000	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	F70223-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		25000	32700	131*	32600	130	0	70-130/20
71-43-2	Benzene	4430		5000	9290	97	9670	105	4	70-130/20
108-86-1	Bromobenzene	ND		5000	5230	105	5380	108	3	70-130/20
74-97-5	Bromochloromethane	ND		5000	5540	111	5680	114	2	70-130/20
75-27-4	Bromodichloromethane	ND		5000	5240	105	5460	109	4	70-130/20
75-25-2	Bromoform	ND		5000	4540	91	4850	97	7	70-130/20
104-51-8	n-Butylbenzene	ND		5000	5230	105	5440	109	4	70-130/20
135-98-8	sec-Butylbenzene	ND		5000	5220	104	5430	109	4	70-130/20
98-06-6	tert-Butylbenzene	ND		5000	5290	106	5500	110	4	70-130/20
108-90-7	Chlorobenzene	ND		5000	5260	105	5420	108	3	70-130/20
75-00-3	Chloroethane	ND		5000	8070	161*	9930	199*	21*	60-140/20
67-66-3	Chloroform	190	J	5000	5990	116	6150	119	3	70-130/20
95-49-8	o-Chlorotoluene	112	J	5000	5370	105	5540	109	3	70-130/20
106-43-4	p-Chlorotoluene	ND		5000	5150	103	5270	105	2	70-130/20
56-23-5	Carbon tetrachloride	ND		5000	6100	122	6320	126	4	70-130/20
75-34-3	1,1-Dichloroethane	ND		5000	5340	107	5510	110	3	70-130/20
75-35-4	1,1-Dichloroethylene	ND		5000	6140	123	6410	128	4	70-130/20
563-58-6	1,1-Dichloropropene	ND		5000	5410	108	5630	113	4	70-130/20
106-93-4	1,2-Dibromoethane	ND		5000	5160	103	5290	106	2	70-130/20
107-06-2	1,2-Dichloroethane	ND		5000	5940	119	6050	121	2	70-130/20
78-87-5	1,2-Dichloropropane	ND		5000	5070	101	5190	104	2	70-130/20
142-28-9	1,3-Dichloropropane	ND		5000	5050	101	5170	103	2	70-130/20
108-20-3	Di-Isopropyl ether	ND		5000	4800	96	5010	100	4	70-130/20
594-20-7	2,2-Dichloropropane	ND		5000	5680	114	5870	117	3	70-130/20
124-48-1	Dibromochloromethane	ND		5000	5040	101	5320	106	5	70-130/20
75-71-8	Dichlorodifluoromethane	ND		5000	4530	91	5040	101	11	60-140/20
156-59-2	cis-1,2-Dichloroethylene	ND		5000	5390	108	5590	112	4	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		5000	4810	96	5030	101	4	70-130/20
541-73-1	m-Dichlorobenzene	ND		5000	5260	105	5400	108	3	70-130/20
95-50-1	o-Dichlorobenzene	ND		5000	5290	106	5430	109	3	70-130/20
106-46-7	p-Dichlorobenzene	ND		5000	5270	105	5400	108	2	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		5000	5420	108	5620	112	4	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		5000	4790	96	5060	101	5	70-130/20
100-41-4	Ethylbenzene	2070		5000	7110	101	7340	105	3	70-130/20
64-17-5	Ethyl Alcohol	ND		100000	491000	491*	461000	461*	6	70-130/20
591-78-6	2-Hexanone	ND		25000	21900	88	22700	91	4	70-130/20

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F70223-1MS	A009555.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1MSD	A009556.D	1000	12/24/09	TD	n/a	n/a	VA364
F70223-1	A009547.D	1000	12/24/09	TD	n/a	n/a	VA364

The QC reported here applies to the following samples: **Method:** SM 6200B

F70222-5

CAS No.	Compound	F70223-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	125	J	5000	5370	105	5600	110	4	70-130/20
99-87-6	p-Isopropyltoluene	ND		5000	5240	105	5440	109	4	70-130/20
108-10-1	4-Methyl-2-pentanone	ND		25000	22900	92	23400	94	2	70-130/20
74-83-9	Methyl bromide	ND		5000	6140	123	6830	137	11	60-140/20
74-87-3	Methyl chloride	ND		5000	4740	95	5360	107	12	60-140/20
75-09-2	Methylene chloride	1550	J	5000	5990	89	6210	93	4	70-130/20
78-93-3	Methyl ethyl ketone	ND		25000	23400	94	24400	98	4	70-130/20
1634-04-4	Methyl Tert Butyl Ether	96.4	J	5000	5270	103	5510	108	4	70-130/20
91-20-3	Naphthalene	1010		5000	5760	95	5980	99	4	70-130/20
103-65-1	n-Propylbenzene	309	J	5000	5460	103	5670	107	4	70-130/20
100-42-5	Styrene	ND		5000	4940	99	5120	102	4	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		5000	6010	120	6250	125	4	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		5000	4800	96	4900	98	2	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		5000	5120	102	5280	106	3	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		5000	4990	100	5220	104	5	70-130/20
96-18-4	1,2,3-Trichloropropane	ND		5000	5130	103	5210	104	2	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		5000	5290	106	5440	109	3	70-130/20
95-63-6	1,2,4-Trimethylbenzene	3500		5000	8360	97	8630	103	3	70-130/20
108-67-8	1,3,5-Trimethylbenzene	872		5000	6050	104	6270	108	4	70-130/20
127-18-4	Tetrachloroethylene	ND		5000	5500	110	5730	115	4	70-130/20
108-88-3	Toluene	10400		5000	14800	88	15400	100	4	70-130/20
79-01-6	Trichloroethylene	ND		5000	5390	108	5540	111	3	70-130/20
75-69-4	Trichlorofluoromethane	ND		5000	7800	156*	8880	178*	13	60-140/20
75-01-4	Vinyl chloride	ND		5000	5240	105	5820	116	10	60-140/20
108-05-4	Vinyl Acetate	ND		25000	22000	88	21300	85	3	70-130/20
	m,p-Xylene	8630		10000	18400	98	19000	104	3	70-130/20
95-47-6	o-Xylene	4460		5000	9320	97	9670	104	4	70-130/20

CAS No.	Surrogate Recoveries	MS	MSD	F70223-1	Limits
1868-53-7	Dibromofluoromethane	109%	109%	106%	70-130%
17060-07-0	1,2-Dichloroethane-D4	109%	108%	105%	70-130%
2037-26-5	Toluene-D8	98%	98%	95%	70-130%
460-00-4	4-Bromofluorobenzene	97%	97%	98%	70-130%

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-MB	X009084.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.2	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	4.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.0	ug/l	
	3&4-Methylphenol	ND	5.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.4	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-MB	X009084.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	Result	RL	MDL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	5.0	1.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.3	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.1	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	41%	14-62%
4165-62-2	Phenol-d5	25%	10-40%
118-79-6	2,4,6-Tribromophenol	87%	33-118%
4165-60-0	Nitrobenzene-d5	80%	42-108%
321-60-8	2-Fluorobiphenyl	78%	40-106%
1718-51-0	Terphenyl-d14	85%	39-121%

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-BS	X009083.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	20.5	21	10-50
95-57-8	2-Chlorophenol	50	38.8	78	44-103
59-50-7	4-Chloro-3-methyl phenol	50	43.0	86	53-105
120-83-2	2,4-Dichlorophenol	50	43.1	86	53-108
105-67-9	2,4-Dimethylphenol	50	33.1	66	37-91
51-28-5	2,4-Dinitrophenol	100	74.1	74	37-111
534-52-1	4,6-Dinitro-o-cresol	100	89.4	89	62-115
95-48-7	2-Methylphenol	50	34.9	70	35-91
	3&4-Methylphenol	100	69.8	70	32-85
88-75-5	2-Nitrophenol	50	41.5	83	49-111
100-02-7	4-Nitrophenol	100	47.4	47	13-55
87-86-5	Pentachlorophenol	100	94.1	94	57-118
108-95-2	Phenol	50	21.4	43	13-54
88-06-2	2,4,6-Trichlorophenol	50	44.0	88	58-107
83-32-9	Acenaphthene	50	46.0	92	58-106
208-96-8	Acenaphthylene	50	43.2	86	58-105
120-12-7	Anthracene	50	43.9	88	65-108
56-55-3	Benzo(a)anthracene	50	46.8	94	63-111
50-32-8	Benzo(a)pyrene	50	45.5	91	62-106
205-99-2	Benzo(b)fluoranthene	50	47.8	96	63-109
191-24-2	Benzo(g,h,i)perylene	50	45.0	90	61-111
207-08-9	Benzo(k)fluoranthene	50	48.5	97	64-111
101-55-3	4-Bromophenyl phenyl ether	50	45.2	90	64-107
85-68-7	Butyl benzyl phthalate	50	42.7	85	59-114
100-51-6	Benzyl Alcohol	50	34.7	69	34-98
91-58-7	2-Chloronaphthalene	50	42.3	85	54-105
106-47-8	4-Chloroaniline	50	39.3	79	53-103
218-01-9	Chrysene	50	46.8	94	64-111
111-91-1	bis(2-Chloroethoxy)methane	50	41.0	82	48-101
111-44-4	bis(2-Chloroethyl)ether	50	38.6	77	51-108
108-60-1	bis(2-Chloroisopropyl)ether	50	40.8	82	43-106
7005-72-3	4-Chlorophenyl phenyl ether	50	44.6	89	61-107
95-50-1	1,2-Dichlorobenzene	50	33.8	68	41-102
122-66-7	1,2-Diphenylhydrazine	50	42.8	86	61-110
541-73-1	1,3-Dichlorobenzene	50	32.4	65	38-100
106-46-7	1,4-Dichlorobenzene	50	32.8	66	40-100

Blank Spike Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-BS	X009083.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	46.6	93	60-109
606-20-2	2,6-Dinitrotoluene	50	44.1	88	58-104
91-94-1	3,3'-Dichlorobenzidine	50	40.2	80	57-105
53-70-3	Dibenzo(a,h)anthracene	50	44.8	90	62-112
132-64-9	Dibenzofuran	50	44.5	89	61-108
84-74-2	Di-n-butyl phthalate	50	44.5	89	62-109
117-84-0	Di-n-octyl phthalate	50	45.0	90	60-120
84-66-2	Diethyl phthalate	50	45.6	91	62-109
131-11-3	Dimethyl phthalate	50	44.8	90	63-106
117-81-7	bis(2-Ethylhexyl)phthalate	50	42.8	86	59-116
206-44-0	Fluoranthene	50	48.8	98	65-114
86-73-7	Fluorene	50	47.0	94	61-106
118-74-1	Hexachlorobenzene	50	46.0	92	62-107
87-68-3	Hexachlorobutadiene	50	36.9	74	38-107
77-47-4	Hexachlorocyclopentadiene	50	32.1	64	19-84
67-72-1	Hexachloroethane	50	31.0	62	35-101
193-39-5	Indeno(1,2,3-cd)pyrene	50	43.4	87	61-113
78-59-1	Isophorone	50	34.9	70	56-111
91-57-6	2-Methylnaphthalene	50	41.3	83	56-112
91-20-3	Naphthalene	50	40.0	80	50-104
98-95-3	Nitrobenzene	50	41.1	82	52-105
621-64-7	N-Nitroso-di-n-propylamine	50	40.7	81	51-104
86-30-6	N-Nitrosodiphenylamine	50	44.4	89	57-110
85-01-8	Phenanthrene	50	48.7	97	65-108
129-00-0	Pyrene	50	44.0	88	60-113
120-82-1	1,2,4-Trichlorobenzene	50	37.1	74	45-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	56%	14-62%
4165-62-2	Phenol-d5	37%	10-40%
118-79-6	2,4,6-Tribromophenol	93%	33-118%
4165-60-0	Nitrobenzene-d5	80%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	82%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-MS	X009086.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
OP31349-MSD	X009087.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
F70222-1	X009085.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	F70222-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		196	146	74*	115	59*	24	10-50/40
95-57-8	2-Chlorophenol	ND		98	81.3	83	80.5	82	1	44-103/29
59-50-7	4-Chloro-3-methyl phenol	ND		98	90.2	92	85.5	87	5	53-105/24
120-83-2	2,4-Dichlorophenol	ND		98	86.9	89	85.5	87	2	53-108/26
105-67-9	2,4-Dimethylphenol	ND		98	69.9	71	67.6	69	3	37-91/28
51-28-5	2,4-Dinitrophenol	ND		196	169	86	149	76	13	37-111/30
534-52-1	4,6-Dinitro-o-cresol	ND		196	185	94	172	88	7	62-115/26
95-48-7	2-Methylphenol	ND		98	78.3	80	77.8	79	1	35-91/30
	3&4-Methylphenol	ND		196	160	82	163	83	2	32-85/29
88-75-5	2-Nitrophenol	ND		98	84.6	86	82.6	84	2	49-111/30
100-02-7	4-Nitrophenol	ND		196	136	69*	138	70*	1	13-55/31
87-86-5	Pentachlorophenol	ND		196	205	105	188	96	9	57-118/26
108-95-2	Phenol	ND		98	60.1	61*	63.1	64*	5	13-54/34
88-06-2	2,4,6-Trichlorophenol	ND		98	89.2	91	85.4	87	4	58-107/24
83-32-9	Acenaphthene	ND		98	92.3	94	90.0	92	3	58-106/21
208-96-8	Acenaphthylene	ND		98	86.5	88	83.8	85	3	58-105/21
120-12-7	Anthracene	ND		98	89.0	91	84.1	86	6	65-108/19
56-55-3	Benzo(a)anthracene	ND		98	93.4	95	87.2	89	7	63-111/19
50-32-8	Benzo(a)pyrene	ND		98	93.5	95	87.9	90	6	62-106/20
205-99-2	Benzo(b)fluoranthene	ND		98	98.3	100	90.7	93	8	63-109/20
191-24-2	Benzo(g,h,i)perylene	ND		98	92.4	94	86.1	88	7	61-111/21
207-08-9	Benzo(k)fluoranthene	ND		98	98.9	101	97.4	99	2	64-111/20
101-55-3	4-Bromophenyl phenyl ether	ND		98	91.3	93	86.0	88	6	64-107/20
85-68-7	Butyl benzyl phthalate	ND		98	85.6	87	77.5	79	10	59-114/20
100-51-6	Benzyl Alcohol	ND		98	78.0	80	77.9	79	0	34-98/27
91-58-7	2-Chloronaphthalene	ND		98	85.9	88	83.9	86	2	54-105/24
106-47-8	4-Chloroaniline	ND		98	70.6	72	73.9	75	5	53-103/22
218-01-9	Chrysene	ND		98	94.2	96	88.8	91	6	64-111/19
111-91-1	bis(2-Chloroethoxy)methane	ND		98	81.4	83	78.5	80	4	48-101/28
111-44-4	bis(2-Chloroethyl)ether	ND		98	78.7	80	77.1	79	2	51-108/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		98	80.4	82	79.1	81	2	43-106/27
7005-72-3	4-Chlorophenyl phenyl ether	ND		98	88.5	90	85.0	87	4	61-107/20
95-50-1	1,2-Dichlorobenzene	ND		98	72.9	74	72.3	74	1	41-102/28
122-66-7	1,2-Diphenylhydrazine	ND		98	87.0	89	82.1	84	6	61-110/20
541-73-1	1,3-Dichlorobenzene	ND		98	68.9	70	69.0	70	0	38-100/28
106-46-7	1,4-Dichlorobenzene	ND		98	70.7	72	70.4	72	0	40-100/28

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F70222
Account: HESNCR Highlands Environmental Solutions, Inc
Project: S7001; Durham, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP31349-MS	X009086.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
OP31349-MSD	X009087.D	1	12/24/09	NAF	12/22/09	OP31349	SX472
F70222-1	X009085.D	1	12/24/09	NAF	12/22/09	OP31349	SX472

The QC reported here applies to the following samples: **Method:** EPA 625

F70222-1, F70222-2, F70222-3, F70222-4, F70222-5

CAS No.	Compound	F70222-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	ND		98	92.8	95	87.6	89	6	60-109/20
606-20-2	2,6-Dinitrotoluene	ND		98	88.5	90	84.3	86	5	58-104/21
91-94-1	3,3'-Dichlorobenzidine	ND		98	60.9	62	59.2	60	3	57-105/25
53-70-3	Dibenzo(a,h)anthracene	ND		98	89.3	91	82.1	84	8	62-112/20
132-64-9	Dibenzofuran	ND		98	87.7	89	86.4	88	1	61-108/20
84-74-2	Di-n-butyl phthalate	ND		98	85.9	88	80.3	82	7	62-109/20
117-84-0	Di-n-octyl phthalate	ND		98	87.5	89	80.6	82	8	60-120/24
84-66-2	Diethyl phthalate	ND		98	88.8	91	83.6	85	6	62-109/19
131-11-3	Dimethyl phthalate	ND		98	89.2	91	85.3	87	4	63-106/19
117-81-7	bis(2-Ethylhexyl)phthalate	ND		98	83.3	85	76.1	78	9	59-116/21
206-44-0	Fluoranthene	ND		98	95.1	97	90.9	93	5	65-114/21
86-73-7	Fluorene	ND		98	94.5	96	90.5	92	4	61-106/19
118-74-1	Hexachlorobenzene	ND		98	92.3	94	88.9	91	4	62-107/20
87-68-3	Hexachlorobutadiene	ND		98	77.3	79	77.4	79	0	38-107/30
77-47-4	Hexachlorocyclopentadiene	ND		98	66.3	68	63.9	65	4	19-84/35
67-72-1	Hexachloroethane	ND		98	65.6	67	65.4	67	0	35-101/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		98	86.9	89	81.3	83	7	61-113/20
78-59-1	Isophorone	ND		98	69.6	71	67.8	69	3	56-111/26
91-57-6	2-Methylnaphthalene	ND		98	82.8	84	81.3	83	2	56-112/26
91-20-3	Naphthalene	ND		98	82.4	84	82.0	84	0	50-104/28
98-95-3	Nitrobenzene	ND		98	83.1	85	81.8	83	2	52-105/28
621-64-7	N-Nitroso-di-n-propylamine	ND		98	80.6	82	80.1	82	1	51-104/28
86-30-6	N-Nitrosodiphenylamine	ND		98	90.5	92	85.4	87	6	57-110/19
85-01-8	Phenanthrene	ND		98	99.2	101	94.1	96	5	65-108/20
129-00-0	Pyrene	ND		98	91.8	94	85.7	87	7	60-113/20
120-82-1	1,2,4-Trichlorobenzene	ND		98	77.6	79	76.7	78	1	45-104/28

CAS No.	Surrogate Recoveries	MS	MSD	F70222-1	Limits
367-12-4	2-Fluorophenol	73%*	74%*	46%	14-62%
4165-62-2	Phenol-d5	56%*	59%*	29%	10-40%
118-79-6	2,4,6-Tribromophenol	96%	91%	91%	33-118%
4165-60-0	Nitrobenzene-d5	84%	82%	77%	42-108%
321-60-8	2-Fluorobiphenyl	82%	81%	78%	40-106%
1718-51-0	Terphenyl-d14	84%	79%	82%	39-121%