

APPENDIX C

LABORATORY ANALYTICAL REPORTS

Lab Report



Full Service Analytical & Environmental Solutions

11/6/01

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Solutions - IES
 Attn: Walt Beckwith
 3722 Benson Dr.
 Raleigh, NC 27609

Customer Project ID: NCDOT Camden County
Customer Sample ID: GP-1D (2-4)
Prism Sample ID: AC23305
Loqin Group: 4363H18
 Sample Collection Date/Time: 10/10/01 15:58
 Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	13	mg/kg	10	8015MOD/3550	10/19/01 04:37	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	10/17/01 18:53	KC
CALCULATIONS BASED ON DRY WT.	83	% DRY WT.	0.01	SM 2540 G	10/16/01 15:55	JLW
PREP. METHOD 3545 FOR DIESEL	Completed			SW846-3545	10/16/01 12:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Solutions - IES
Attn: Walt Beckwith
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: NCDOT Camden County
Customer Sample ID: GP-10 (4-6)
Prism Sample ID: AC23306
Login Group: 4363H18
Sample Collection Date/Time: 10/10/01 16:00
Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	10/19/01 13:52	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	10/17/01 19:29	KC
CALCULATIONS BASED ON DRY WT.	84	% DRY WT.	0.01	SM 2540 G	10/16/01 15:55	JLW
PREP. METHOD 3545 FOR DIESEL	Completed			SW846-3545	10/16/01 12:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Solutions - IES
Attn: Walt Beckwith
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: NCDOT Camden County
Customer Sample ID: GP-3D (2-4)
Prism Sample ID: AC23807
Login Group: 4363H18
Sample Collection Date/Time: 10/10/01 16:38
Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	10/19/01 09:36	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	10/17/01 20:05	KC
CALCULATIONS BASED ON DRY WT.	85	% DRY WT.	0.01	SM 2540 G	10/16/01 15:55	JLW
PREP. METHOD 3545 FOR DIESEL	Completed			SW846-3545	10/16/01 12:00	JMV

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Solutions - IES
Attn: Walt Beckwith
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: NCDOT Camden County
Customer Sample ID: GP-5D (2-4)
Prism Sample ID: AC23319
Login Group: 4363H18
Sample Collection Date/Time: 10/12/01 10:10
Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	Less than	mg/kg	10	8015MOD/3550	10/20/01 11:01	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	10/22/01 18:00	KC
CALCULATIONS BASED ON DRY WT.	87	% DRY WT.	0.01	SM 2540 G	10/16/01 15:55	JLW
PREP. METHOD 3550	Completed			SW846-3550	10/16/01 19:30	JLW

Sample Comments:

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 Attn: Walt Beckwith
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 Raleigh, NC 27609

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Customer Project ID: NCDOT Camden County
Customer Sample ID: GP-5D (4-6)
Prism Sample ID: AC23320
Login Group: 4363H18
Sample Collection Date/Time: 10/12/01 10:15
Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TPH - DIESEL RANGE	12	mg/kg	10	8015MOD/3550	10/22/01 07:31	GRR
TPH-GASOLINE RANGE / PREP. 5030	Less than	mg/kg	1.0	8015MOD/5030	10/22/01 18:36	KC
CALCULATIONS BASED ON DRY WT.	90	% DRY WT.	0.01	SM 2540 G	10/16/01 15:55	JLW
PREP. METHOD 3550	Completed			SW846-3550	10/16/01 19:30	JLW

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

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Solutions - IES
 Attn: Walt Beckwith
 3722 Benson Dr.
 Raleigh, NC 27609

Customer Project ID: **NCDOT Camden County**
 Customer Sample ID: **GW-1D**
 Prism Sample ID: **AC23321**
 Login Group: **4363H18**
 Sample Collection Date/Time: **10/12/01 10:15**
 Lab Submittal Date/Time: **10/16/01 08:15**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZENE	9500	ug/L	200	SW846-8260B	10/22/01 19:45	MP
BROMOBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
BROMOCHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
BROMODICHLOROMETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
BROMOFORM	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
BROMOMETHANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
N-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
SEC-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TERT-BUTYLBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
CHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
CHLORODIBROMOMETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
CHLOROETHANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
CHLOROFORM	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
CHLOROMETHANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
2-CHLOROTOLUENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
4-CHLOROTOLUENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2-DIBROMO-3-CHLOROPROPANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
1,2-DIBROMOETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
DIBROMOMETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2-DICHLOROENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,3-DICHLOROENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,4-DICHLOROENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
DICHLORODIFLUOROMETHANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
1,1-DICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2-DICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1-DICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
CIS-1,2-DICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TRANS-1,2-DICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,3-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. C87519

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Solutions - IES
 Attn: Walt Beckwith
 3722 Benson Dr.
 Raleigh, NC 27609

Customer Project ID: **NCDOT Camden County**
 Customer Sample ID: **GW-1D**
 Prism Sample ID: **AC23321**
 Login Group: **4363H18**
 Sample Collection Date/Time: **10/12/01 10:15**
 Lab Submittal Date/Time: **10/16/01 08:15**

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
2,2-DICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
ETHYLBENZENE	2400	ug/L	200	SW846-8260B	10/22/01 19:45	MP
HEXACHLOROBUTADIENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
ISOPROPYLBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
P-ISOPROPYLTOLUENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
METHYLENE CHLORIDE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
NAPHTHALENE	610	ug/L	200	SW846-8260B	10/22/01 19:45	MP
N-PROPYLBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
STYRENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1,1,2-TETRACHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1,2,2-TETRACHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TETRACHLOROETHENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TOLUENE	20000	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2,3-TRICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2,4-TRICHLOROBENZENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1,1-TRICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,1,2-TRICHLOROETHANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TRICHLOROETHENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
TRICHLOROFLUOROMETHANE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
1,2,3-TRICHLOROPROPANE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,2,4-TRIMETHYLBENZENE	1400	ug/L	200	SW846-8260B	10/22/01 19:45	MP
1,3,5-TRIMETHYLBENZENE	270	ug/L	200	SW846-8260B	10/22/01 19:45	MP
VINYL CHLORIDE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
TOTAL XYLENES	8900	ug/L	200	SW846-8260B	10/22/01 19:45	MP
cis-1,3-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
trans-1,3-DICHLOROPROPENE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
ACETONE	Not detected	ug/L	2000	SW846-8260B	10/22/01 19:45	MP
2-BUTANONE (MEK)	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
CARBON DISULFIDE	Not detected	ug/L	2000	SW846-8260B	10/22/01 19:45	MP

NC Certification No. 402 - SC Certification No. 99012 - NC Drinking Water Cert. No. 37735 - FL Certification No. E87519

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Solutions - IES
 Attn: Walt Beckwith
 3722 Benson Dr.
 Raleigh, NC 27609

Customer Project ID: NCDOT Camden County
Customer Sample ID: GW-1D
Prism Sample ID: AC23321
Login Group: 4363H18
Sample Collection Date/Time: 10/12/01 10:15
Lab Submittal Date/Time: 10/16/01 08:15

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
CARBON TETRACHLORIDE	Not detected	ug/L	200	SW846-8260B	10/22/01 19:45	MP
2-CHLOROETHYLVINYLEETHER	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
2-HEXANONE	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
4-METHYL-2-PENTANONE (MIBK)	Not detected	ug/L	400	SW846-8260B	10/22/01 19:45	MP
MTBE	5500	ug/L	200	SW846-8260B	10/22/01 19:45	MP
IPE	590	ug/L	200	SW846-8260B	10/22/01 19:45	MP

Sample Comments:

This report is a revision and supersedes our previous report dated 10/29/01.

Angela D. Overcash, V.P. Laboratory Services