New Jersey
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Laboratories

09/08/04

Technical Report for

ENSR Consulting & Engineering

Former Camp Butner, NC

09090-068

Accutest Job Number: N74914

Sampling Dates: 08/11/04 - 08/12/04

Report to:

ENSR Consulting & Engineering
2 Technology Park Drive
Westford, MA 01886

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Total number of pages in report: 2283

Volume: 1 of 4

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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.

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

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Sample Summary

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
N74914-1	08/11/04	11:25	08/12/04	AQ	Ground Water	RW0804-4553-UZZLERD
N74914-1F	08/11/04	11:25	08/12/04	AQ	Groundwater Filtered	RW0804-4553-UZZLERD
N74914-2	08/11/04	15:25	08/12/04	AQ	Ground Water	RW0804-HESTERFARM
N74914-2F	08/11/04	15:25	08/12/04	AQ	Groundwater Filtered	RW0804-HESTERFARM
N74914-3	08/11/04	10:40	08/12/04	AQ	Ground Water	RW0804-4535-UZZLERD
N74914-3F	08/11/04	10:40	08/12/04	AQ	Groundwater Filtered	RW0804-4535-UZZLERD
N74914-4	08/11/04	09:25	08/12/04	AQ	Ground Water	RW0804-4578-UZZLERD
N74914-4F	08/11/04	09:25	08/12/04	AQ	Groundwater Filtered	RW0804-4578-UZZLERD
N74914-5	08/11/04	16:30	08/12/04	AQ	Ground Water	RW0804-627B-ENONRD
N74914-5F	08/11/04	16:30	08/12/04	AQ	Groundwater Filtered	RW0804-627B-ENONRD
N74914-6	08/11/04	12:45	08/12/04	AQ	Ground Water	RW0804-4573-UZZLERD
N74914-6F	08/11/04	12:45	08/12/04	AQ	Groundwater Filtered	RW0804-4573-UZZLERD
N74914-7	08/11/04	09:25	08/12/04	AQ	Ground Water	RW0804-FIELDDUP2

Sample Summary
(continued)

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
N74914-7F	08/11/04	09:25	08/12/04	AQ	Groundwater Filtered	RW0804-FIELDDUP2
N74914-8	08/11/04	16:30	08/12/04	AQ	Trip Blank Water	TB
N74914-9	08/12/04	11:55	08/13/04	AQ	Ground Water	RW0804-6305-ISHAMCHAMBERS
N74914-9D	08/12/04	11:55	08/13/04	AQ	Water Dup/MSD	RW0804-6305-ISHAMCHAMBERS
N74914-9F	08/12/04	11:55	08/13/04	AQ	Groundwater Filtered	RW0804-6305-ISHAMCHAMBERS
N74914-9FD	08/12/04	11:55	08/13/04	AQ	Water Dup/MSD	RW0804-6305-ISHAMCHAMBERS
N74914-9FS	08/12/04	11:55	08/13/04	AQ	Water Matrix Spike	RW0804-6305-ISHAMCHAMBERS
N74914-9S	08/12/04	11:55	08/13/04	AQ	Water Matrix Spike	RW0804-6305-ISHAMCHAMBERS
N74914-10	08/12/04	08:15	08/13/04	AQ	Ground Water	RW0804-4710-MORIAHRD
N74914-10F	08/12/04	08:15	08/13/04	AQ	Groundwater Filtered	RW0804-4710-MORIAHRD
N74914-11	08/12/04	09:25	08/13/04	AQ	Ground Water	RW0804-4709-MORIAHRD
N74914-11F	08/12/04	09:25	08/13/04	AQ	Groundwater Filtered	RW0804-4709-MORIAHRD
N74914-12	08/12/04	10:10	08/13/04	AQ	Ground Water	RW0804-5057-CLAYTONRD

Sample Summary
(continued)

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
N74914-12F	08/12/04	10:10	08/13/04	AQ	Groundwater Filtered	RW0804-5057-CLAYTONRD
N74914-13	08/12/04	13:00	08/13/04	AQ	Ground Water	RW0804-2202-TILLEYFARMRD
N74914-13F	08/12/04	13:00	08/13/04	AQ	Groundwater Filtered	RW0804-2202-TILLEYFARMRD
N74914-14	08/12/04	10:50	08/13/04	AQ	Ground Water	RW0804-564-BETHANYCHURCH
N74914-14F	08/12/04	10:50	08/13/04	AQ	Groundwater Filtered	RW0804-564-BETHANYCHURCH
N74914-15	08/12/04	13:00	08/13/04	AQ	Ground Water	RW0804-FIELDDUP3
N74914-15F	08/12/04	13:00	08/13/04	AQ	Groundwater Filtered	RW0804-FIELDDUP3
N74914-16	08/12/04	13:00	08/13/04	AQ	Trip Blank Water	TRIP BLANK

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RESULTS

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85621.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	101%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44556.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-88%
4165-62-2	Phenol-d5	25%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	78%		45-134%
4165-60-0	Nitrobenzene-d5	68%		32-128%
321-60-8	2-Fluorobiphenyl	69%		34-121%
1718-51-0	Terphenyl-d14	95%		41-129%

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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:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15013.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0081	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.013	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0087	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0099	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.018	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.013	ug/l	
60-57-1	Dieldrin	ND	0.020	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0042	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.018	ug/l	
72-20-8	Endrin	ND	0.020	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.013	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.051	0.0054	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0060	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.051	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	95%		35-138%
877-09-8	Tetrachloro-m-xylene	91%		35-138%
2051-24-3	Decachlorobiphenyl	100%		19-153%
2051-24-3	Decachlorobiphenyl	96%		19-153%

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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:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53499.D	1	08/17/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.51	0.077	ug/l	
11104-28-2	Aroclor 1221	ND	0.51	0.087	ug/l	
11141-16-5	Aroclor 1232	ND	0.51	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.51	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.51	0.073	ug/l	
11097-69-1	Aroclor 1254	ND	0.51	0.073	ug/l	
11096-82-5	Aroclor 1260	ND	0.51	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.51		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.51		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		27-140%
877-09-8	Tetrachloro-m-xylene	93%		27-140%
2051-24-3	Decachlorobiphenyl	107%		19-151%
2051-24-3	Decachlorobiphenyl	110%		19-151%

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:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11278.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	850 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.59	0.33	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.18	0.15	ug/l	
93-76-5	2,4,5-T	ND	0.24	0.23	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.18	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	93%		54-141%
19719-28-9	2,4-DCAA	90%		54-141%

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:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	45000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	195	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	8310	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	108	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:26	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	44200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	190	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	8590	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	107	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85614.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	94%		68-129%
2037-26-5	Toluene-D8	97%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44557.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		10-88%
4165-62-2	Phenol-d5	29%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		45-134%
4165-60-0	Nitrobenzene-d5	76%		32-128%
321-60-8	2-Fluorobiphenyl	81%		34-121%
1718-51-0	Terphenyl-d14	90%		41-129%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15014.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0081	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.013	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0087	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0099	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.018	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.013	ug/l	
60-57-1	Dieldrin	ND	0.020	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0042	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.018	ug/l	
72-20-8	Endrin	ND	0.020	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.013	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.051	0.0054	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0060	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.051	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		35-138%
877-09-8	Tetrachloro-m-xylene	96%		35-138%
2051-24-3	Decachlorobiphenyl	98%		19-153%
2051-24-3	Decachlorobiphenyl	94%		19-153%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53500.D	1	08/17/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.51	0.077	ug/l	
11104-28-2	Aroclor 1221	ND	0.51	0.087	ug/l	
11141-16-5	Aroclor 1232	ND	0.51	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.51	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.51	0.073	ug/l	
11097-69-1	Aroclor 1254	ND	0.51	0.073	ug/l	
11096-82-5	Aroclor 1260	ND	0.51	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.51		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.51		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		27-140%
877-09-8	Tetrachloro-m-xylene	97%		27-140%
2051-24-3	Decachlorobiphenyl	104%		19-151%
2051-24-3	Decachlorobiphenyl	107%		19-151%

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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:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11279.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	840 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.60	0.33	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.18	0.15	ug/l	
93-76-5	2,4,5-T	ND	0.24	0.24	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.18	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	95%		54-141%
19719-28-9	2,4-DCAA	91%		54-141%

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:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	36700	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	1280	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	3.4	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	7000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	540	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	11000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	28.4	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:27	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	37000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	266	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	7090	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	543	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	11200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	34.1	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85615.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	95%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44558.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-88%
4165-62-2	Phenol-d5	25%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	69%		45-134%
4165-60-0	Nitrobenzene-d5	64%		32-128%
321-60-8	2-Fluorobiphenyl	69%		34-121%
1718-51-0	Terphenyl-d14	73%		41-129%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15015.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0081	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.013	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0087	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0099	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.018	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.013	ug/l	
60-57-1	Dieldrin	ND	0.020	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0042	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.018	ug/l	
72-20-8	Endrin	ND	0.020	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.013	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.051	0.0054	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0060	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.051	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		35-138%
877-09-8	Tetrachloro-m-xylene	92%		35-138%
2051-24-3	Decachlorobiphenyl	75%		19-153%
2051-24-3	Decachlorobiphenyl	72%		19-153%

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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:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53501.D	1	08/17/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.51	0.077	ug/l	
11104-28-2	Aroclor 1221	ND	0.51	0.087	ug/l	
11141-16-5	Aroclor 1232	ND	0.51	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.51	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.51	0.073	ug/l	
11097-69-1	Aroclor 1254	ND	0.51	0.073	ug/l	
11096-82-5	Aroclor 1260	ND	0.51	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.51		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.51		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		27-140%
877-09-8	Tetrachloro-m-xylene	93%		27-140%
2051-24-3	Decachlorobiphenyl	81%		19-151%
2051-24-3	Decachlorobiphenyl	84%		19-151%

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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:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11280.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.54	0.30	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	101%		54-141%
19719-28-9	2,4-DCAA	95%		54-141%

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:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10000	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	16200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	51.8	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	5490	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	39.9	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	406	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	6.3	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	11800	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	60.3	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:28	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	16600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	208	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	391	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	9830	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85616.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	97%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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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:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44559.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

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

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	4.7	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.73	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.65	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.72	ug/l	
	3&4-Methylphenol	ND	5.0	0.70	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.73	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.0	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.74	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.80	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.0	0.53	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.0	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.27	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.38	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.37	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.54	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.54	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.43	ug/l	
86-74-8	Carbazole	ND	2.0	0.34	ug/l	
105-60-2	Caprolactam	ND	2.0	0.44	ug/l	

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Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.78	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.62	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.39	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.58	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.49	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.63	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.58	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.74	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.63	ug/l	
86-73-7	Fluorene	ND	2.0	0.89	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.45	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.67	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.5	ug/l	
78-59-1	Isophorone	ND	2.0	0.54	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.72	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.80	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.23	ug/l	
129-00-0	Pyrene	ND	2.0	0.58	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.0	0.63	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		10-88%
4165-62-2	Phenol-d5	29%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		45-134%
4165-60-0	Nitrobenzene-d5	78%		32-128%
321-60-8	2-Fluorobiphenyl	79%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15016.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.021	0.0083	ug/l	
319-84-6	alpha-BHC	ND	0.021	0.013	ug/l	
319-85-7	beta-BHC	ND	0.021	0.0089	ug/l	
319-86-8	delta-BHC	ND	0.021	0.010	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.021	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.021	0.019	ug/l	
5103-74-2	gamma-Chlordane	ND	0.021	0.013	ug/l	
60-57-1	Dieldrin	ND	0.021	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.021	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.021	0.0043	ug/l	
50-29-3	4,4'-DDT	ND	0.021	0.018	ug/l	
72-20-8	Endrin	ND	0.021	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.021	0.014	ug/l	
7421-93-4	Endrin aldehyde	ND	0.021	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.052	0.0056	ug/l	
959-98-8	Endosulfan-I	ND	0.021	0.0031	ug/l	
33213-65-9	Endosulfan-II	ND	0.021	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.021	0.0061	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.021	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.052	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	101%		35-138%
877-09-8	Tetrachloro-m-xylene	97%		35-138%
2051-24-3	Decachlorobiphenyl	101%		19-153%
2051-24-3	Decachlorobiphenyl	99%		19-153%

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:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53502.D	1	08/17/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	0.079	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	0.088	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	0.14	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	0.075	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	0.075	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.52		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.52		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		27-140%
877-09-8	Tetrachloro-m-xylene	100%		27-140%
2051-24-3	Decachlorobiphenyl	108%		19-151%
2051-24-3	Decachlorobiphenyl	110%		19-151%

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:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11281.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.56	0.31	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.17	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.17	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	94%		54-141%
19719-28-9	2,4-DCAA	90%		54-141%

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:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	8270	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:29	JH	SW846 9012A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85617.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	99%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44560.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	91%		45-134%
4165-60-0	Nitrobenzene-d5	82%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	95%		41-129%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15017.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.021	0.0083	ug/l	
319-84-6	alpha-BHC	ND	0.021	0.013	ug/l	
319-85-7	beta-BHC	ND	0.021	0.0089	ug/l	
319-86-8	delta-BHC	ND	0.021	0.010	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.021	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.021	0.019	ug/l	
5103-74-2	gamma-Chlordane	ND	0.021	0.013	ug/l	
60-57-1	Dieldrin	ND	0.021	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.021	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.021	0.0043	ug/l	
50-29-3	4,4'-DDT	ND	0.021	0.018	ug/l	
72-20-8	Endrin	ND	0.021	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.021	0.014	ug/l	
7421-93-4	Endrin aldehyde	ND	0.021	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.052	0.0056	ug/l	
959-98-8	Endosulfan-I	ND	0.021	0.0031	ug/l	
33213-65-9	Endosulfan-II	ND	0.021	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.021	0.0061	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.021	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.052	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		35-138%
877-09-8	Tetrachloro-m-xylene	93%		35-138%
2051-24-3	Decachlorobiphenyl	104%		19-153%
2051-24-3	Decachlorobiphenyl	101%		19-153%

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:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53518.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2579
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	0.079	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	0.088	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	0.14	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	0.075	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	0.075	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.52		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.52		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		27-140%
877-09-8	Tetrachloro-m-xylene	87%		27-140%
2051-24-3	Decachlorobiphenyl	104%		19-151%
2051-24-3	Decachlorobiphenyl	108%		19-151%

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:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11284.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.53	0.30	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.13	ug/l	
93-76-5	2,4,5-T	ND	0.21	0.21	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		54-141%
19719-28-9	2,4-DCAA	94%		54-141%

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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	14400	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	984	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	351	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	7640	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:30	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	15200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	354	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	7790	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85618.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-119%
17060-07-0	1,2-Dichloroethane-D4	99%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	103%		82-120%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44561.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	4.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	4.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	0.76	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.2	0.75	ug/l	
	3&4-Methylphenol	ND	5.2	0.73	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.76	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.3	ug/l	
108-95-2	Phenol	ND	5.2	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.83	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.36	ug/l	
98-86-2	Acetophenone	ND	5.2	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.2	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.2	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.56	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.56	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.44	ug/l	
86-74-8	Carbazole	ND	2.1	0.35	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.81	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.82	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.60	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.66	ug/l	
86-73-7	Fluorene	ND	2.1	0.93	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.43	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.69	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.56	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.75	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.83	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.24	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.2	0.65	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	93%		45-134%
4165-60-0	Nitrobenzene-d5	85%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	97%		41-129%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15018.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.020	0.0079	ug/l	
319-84-6	alpha-BHC	ND	0.020	0.013	ug/l	
319-85-7	beta-BHC	ND	0.020	0.0086	ug/l	
319-86-8	delta-BHC	ND	0.020	0.0098	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.020	0.0026	ug/l	
5103-71-9	alpha-Chlordane	ND	0.020	0.018	ug/l	
5103-74-2	gamma-Chlordane	ND	0.020	0.013	ug/l	
60-57-1	Dieldrin	ND	0.020	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.020	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.020	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.020	0.018	ug/l	
72-20-8	Endrin	ND	0.020	0.011	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.020	0.013	ug/l	
7421-93-4	Endrin aldehyde	ND	0.020	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.050	0.0053	ug/l	
959-98-8	Endosulfan-I	ND	0.020	0.0029	ug/l	
33213-65-9	Endosulfan-II	ND	0.020	0.0028	ug/l	
76-44-8	Heptachlor	ND	0.020	0.0059	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.020	0.011	ug/l	
72-43-5	Methoxychlor	ND	0.050	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%		35-138%
877-09-8	Tetrachloro-m-xylene	95%		35-138%
2051-24-3	Decachlorobiphenyl	90%		19-153%
2051-24-3	Decachlorobiphenyl	94%		19-153%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53506.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.075	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.085	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.12	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.072	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.072	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.10	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.50		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.50		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		27-140%
877-09-8	Tetrachloro-m-xylene	96%		27-140%
2051-24-3	Decachlorobiphenyl	104%		19-151%
2051-24-3	Decachlorobiphenyl	107%		19-151%

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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

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11285.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.53	0.30	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.13	ug/l	
93-76-5	2,4,5-T	ND	0.21	0.21	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	94%		54-141%
19719-28-9	2,4-DCAA	92%		54-141%

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:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	11600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	27.5	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	1140	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	3.6	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	46.6	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	5760	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	26.4	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:31	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	11600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	534	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	43.9	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	5710	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	27.8	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85619.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44562.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	ug/l	

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Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-88%
4165-62-2	Phenol-d5	30%		10-71%

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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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	82%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	94%		41-129%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15019.D	1	08/13/04	OPM	08/13/04	OP17703	GOA440
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.021	0.0083	ug/l	
319-84-6	alpha-BHC	ND	0.021	0.013	ug/l	
319-85-7	beta-BHC	ND	0.021	0.0089	ug/l	
319-86-8	delta-BHC	ND	0.021	0.010	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.021	0.0027	ug/l	
5103-71-9	alpha-Chlordane	ND	0.021	0.019	ug/l	
5103-74-2	gamma-Chlordane	ND	0.021	0.013	ug/l	
60-57-1	Dieldrin	ND	0.021	0.013	ug/l	
72-54-8	4,4'-DDD	ND	0.021	0.017	ug/l	
72-55-9	4,4'-DDE	ND	0.021	0.0043	ug/l	
50-29-3	4,4'-DDT	ND	0.021	0.018	ug/l	
72-20-8	Endrin	ND	0.021	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.021	0.014	ug/l	
7421-93-4	Endrin aldehyde	ND	0.021	0.020	ug/l	
53494-70-5	Endrin ketone	ND	0.052	0.0056	ug/l	
959-98-8	Endosulfan-I	ND	0.021	0.0031	ug/l	
33213-65-9	Endosulfan-II	ND	0.021	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.021	0.0061	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.021	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.052	0.012	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.26	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		35-138%
877-09-8	Tetrachloro-m-xylene	94%		35-138%
2051-24-3	Decachlorobiphenyl	99%		19-153%
2051-24-3	Decachlorobiphenyl	100%		19-153%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53519.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2579
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	0.079	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	0.088	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	0.14	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	0.075	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	0.075	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.52		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.52		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		27-140%
877-09-8	Tetrachloro-m-xylene	103%		27-140%
2051-24-3	Decachlorobiphenyl	110%		19-151%
2051-24-3	Decachlorobiphenyl	115%		19-151%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11286.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.54	0.30	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.13	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.21	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		54-141%
19719-28-9	2,4-DCAA	94%		54-141%

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:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:38	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	N74914-8	**Date Sampled:**	08/11/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85620.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	N74914-8	**Date Sampled:**	08/11/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85609.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44563.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	4.7	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	5.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	0.81	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.72	ug/l	
95-48-7	2-Methylphenol	ND	5.6	0.80	ug/l	
	3&4-Methylphenol	ND	5.6	0.78	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	0.81	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.5	ug/l	
108-95-2	Phenol	ND	5.6	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	0.83	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	0.89	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.33	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.39	ug/l	
98-86-2	Acetophenone	ND	5.6	0.59	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
1912-24-9	Atrazine	ND	5.6	1.7	ug/l	
100-52-7	Benzaldehyde	ND	5.6	4.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.30	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.43	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.41	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.55	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.60	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.60	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.47	ug/l	
86-74-8	Carbazole	ND	2.2	0.38	ug/l	
105-60-2	Caprolactam	ND	2.2	0.49	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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.37	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.49	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.43	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.64	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.70	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.6	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.64	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.82	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.70	ug/l	
86-73-7	Fluorene	ND	2.2	0.99	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.46	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.50	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.74	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.7	ug/l	
78-59-1	Isophorone	ND	2.2	0.60	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.80	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.56	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.88	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.26	ug/l	
129-00-0	Pyrene	ND	2.2	0.65	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.6	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		10-88%
4165-62-2	Phenol-d5	31%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	76%		32-128%
321-60-8	2-Fluorobiphenyl	76%		34-121%
1718-51-0	Terphenyl-d14	88%		41-129%

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15043.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.023	0.0090	ug/l	
319-84-6	alpha-BHC	ND	0.023	0.014	ug/l	
319-85-7	beta-BHC	ND	0.023	0.0097	ug/l	
319-86-8	delta-BHC	ND	0.023	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.023	0.0030	ug/l	
5103-71-9	alpha-Chlordane	ND	0.023	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.023	0.014	ug/l	
60-57-1	Dieldrin	ND	0.023	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.023	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.023	0.0046	ug/l	
50-29-3	4,4'-DDT	ND	0.023	0.020	ug/l	
72-20-8	Endrin	ND	0.023	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.023	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.023	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.057	0.0061	ug/l	
959-98-8	Endosulfan-I	ND	0.023	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.023	0.0032	ug/l	
76-44-8	Heptachlor	ND	0.023	0.0067	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.023	0.013	ug/l	
72-43-5	Methoxychlor	ND	0.057	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		35-138%
877-09-8	Tetrachloro-m-xylene	87%		35-138%
2051-24-3	Decachlorobiphenyl	94%		19-153%
2051-24-3	Decachlorobiphenyl	90%		19-153%

ND = Not detected MDL - Method Detection Limit
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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:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53498.D	1	08/17/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.57	0.086	ug/l	
11104-28-2	Aroclor 1221	ND	0.57	0.096	ug/l	
11141-16-5	Aroclor 1232	ND	0.57	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.57	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.57	0.082	ug/l	
11097-69-1	Aroclor 1254	ND	0.57	0.082	ug/l	
11096-82-5	Aroclor 1260	ND	0.57	0.12	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.57		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.57		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		27-140%
877-09-8	Tetrachloro-m-xylene	90%		27-140%
2051-24-3	Decachlorobiphenyl	100%		19-151%
2051-24-3	Decachlorobiphenyl	103%		19-151%

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:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11287.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	830 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.60	0.34	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.18	0.15	ug/l	
93-76-5	2,4,5-T	ND	0.24	0.24	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.18	0.14	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	96%		54-141%
19719-28-9	2,4-DCAA	93%		54-141%

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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	43100	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	1000	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	9190	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	634	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	11800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	155	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:25	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	45200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	995	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	9550	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	668	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	12600	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	155	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26846

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85622.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

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Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	71.1	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	101%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44564.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	4.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	4.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	0.75	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.67	ug/l	
95-48-7	2-Methylphenol	ND	5.2	0.75	ug/l	
	3&4-Methylphenol	ND	5.2	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.3	ug/l	
108-95-2	Phenol	ND	5.2	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	0.77	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.36	ug/l	
98-86-2	Acetophenone	ND	5.2	0.55	ug/l	
120-12-7	Anthracene	ND	2.1	0.22	ug/l	
1912-24-9	Atrazine	ND	5.2	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.2	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.44	ug/l	
86-74-8	Carbazole	ND	2.1	0.35	ug/l	
105-60-2	Caprolactam	ND	2.1	0.45	ug/l	

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Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.50	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.80	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.81	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.65	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.76	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.65	ug/l	
86-73-7	Fluorene	ND	2.1	0.92	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.43	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.69	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.56	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.63	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.82	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.24	ug/l	
129-00-0	Pyrene	ND	2.1	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.2	0.65	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-88%
4165-62-2	Phenol-d5	32%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		45-134%
4165-60-0	Nitrobenzene-d5	80%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15044.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0086	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0093	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0028	ug/l	
5103-71-9	alpha-Chlordane	ND	0.022	0.019	ug/l	
5103-74-2	gamma-Chlordane	ND	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.018	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0044	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.019	ug/l	
72-20-8	Endrin	ND	0.022	0.012	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.014	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.021	ug/l	
53494-70-5	Endrin ketone	ND	0.054	0.0058	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0032	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0064	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.054	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.27	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		35-138%
877-09-8	Tetrachloro-m-xylene	88%		35-138%
2051-24-3	Decachlorobiphenyl	73%		19-153%
2051-24-3	Decachlorobiphenyl	69%		19-153%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53508.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.54	0.082	ug/l	
11104-28-2	Aroclor 1221	ND	0.54	0.092	ug/l	
11141-16-5	Aroclor 1232	ND	0.54	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.54	0.14	ug/l	
12672-29-6	Aroclor 1248	ND	0.54	0.078	ug/l	
11097-69-1	Aroclor 1254	ND	0.54	0.078	ug/l	
11096-82-5	Aroclor 1260	ND	0.54	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.54		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.54		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		27-140%
877-09-8	Tetrachloro-m-xylene	88%		27-140%
2051-24-3	Decachlorobiphenyl	78%		19-151%
2051-24-3	Decachlorobiphenyl	80%		19-151%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11288.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.56	0.31	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.17	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.17	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	99%		54-141%
19719-28-9	2,4-DCAA	95%		54-141%

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

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	695	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	65200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	50.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	3290	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	5.9	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	8510	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	310	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	17700	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	102	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:39	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	59900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	7750	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	17900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	61.9	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85623.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	102%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44565.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.77	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.76	ug/l	
	3&4-Methylphenol	ND	5.3	0.74	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.77	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.84	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.61	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.83	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.94	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.70	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.76	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.84	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	86%		45-134%
4165-60-0	Nitrobenzene-d5	81%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	94%		41-129%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15045.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0088	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0095	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0029	ug/l	
5103-71-9	alpha-Chlordane	ND	0.022	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.018	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0045	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.020	ug/l	
72-20-8	Endrin	ND	0.022	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.056	0.0059	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0065	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.056	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		35-138%
877-09-8	Tetrachloro-m-xylene	92%		35-138%
2051-24-3	Decachlorobiphenyl	66%		19-153%
2051-24-3	Decachlorobiphenyl	62%		19-153%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53509.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.084	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.094	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.080	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.080	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.56		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.56		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		27-140%
877-09-8	Tetrachloro-m-xylene	92%		27-140%
2051-24-3	Decachlorobiphenyl	70%		19-151%
2051-24-3	Decachlorobiphenyl	71%		19-151%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11289.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.56	0.31	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.17	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.17	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	93%		54-141%
19719-28-9	2,4-DCAA	88%		54-141%

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:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	162	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	87100	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:40	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	90200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85624.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	102%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44566.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.77	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.76	ug/l	
	3&4-Methylphenol	ND	5.3	0.74	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.77	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.84	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.61	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.83	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	7.9	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.94	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.70	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.76	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.84	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-88%
4165-62-2	Phenol-d5	36%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	84%		34-121%
1718-51-0	Terphenyl-d14	93%		41-129%

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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15046.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0088	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0095	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0029	ug/l	
5103-71-9	alpha-Chlordane	ND	0.022	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.018	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0045	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.020	ug/l	
72-20-8	Endrin	ND	0.022	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.056	0.0059	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0065	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.056	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		35-138%
877-09-8	Tetrachloro-m-xylene	94%		35-138%
2051-24-3	Decachlorobiphenyl	83%		19-153%
2051-24-3	Decachlorobiphenyl	79%		19-153%

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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53510.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.084	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.094	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.080	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.080	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.56		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.56		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		27-140%
877-09-8	Tetrachloro-m-xylene	94%		27-140%
2051-24-3	Decachlorobiphenyl	86%		19-151%
2051-24-3	Decachlorobiphenyl	88%		19-151%

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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11290.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.56	0.31	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.17	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.17	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	101%		54-141%
19719-28-9	2,4-DCAA	95%		54-141%

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:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	354	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	15600	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	25.6	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	3210	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	222	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	16800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	156	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:41	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	15400	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	403	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	216	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	16900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	147	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85625.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-119%
17060-07-0	1,2-Dichloroethane-D4	103%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44567.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.78	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.69	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.77	ug/l	
	3&4-Methylphenol	ND	5.3	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.78	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.79	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.85	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.57	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.41	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.47	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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.36	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.52	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.47	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.66	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.62	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.84	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.67	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.78	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.48	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.71	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.77	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.65	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.85	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.62	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	84%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

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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:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15047.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0089	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0096	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0029	ug/l	
5103-71-9	alpha-Chlordane [a]	0.088	0.022	0.020	ug/l	
5103-74-2	gamma-Chlordane	0.13	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.019	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0046	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.020	ug/l	
72-20-8	Endrin	ND	0.022	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.056	0.0060	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0032	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0066	ug/l	
1024-57-3	Heptachlor epoxide	0.48	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.056	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		35-138%
877-09-8	Tetrachloro-m-xylene	88%		35-138%
2051-24-3	Decachlorobiphenyl	92%		19-153%
2051-24-3	Decachlorobiphenyl	88%		19-153%

(a) Reported from lower concentration due to matrix interference.

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:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53511.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.085	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.095	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.081	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.081	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.12	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.56		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.56		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		27-140%
877-09-8	Tetrachloro-m-xylene	89%		27-140%
2051-24-3	Decachlorobiphenyl	99%		19-151%
2051-24-3	Decachlorobiphenyl	101%		19-151%

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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:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11291.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.56	0.31	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.17	0.14	ug/l	
93-76-5	2,4,5-T	ND	0.22	0.22	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.17	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		54-141%
19719-28-9	2,4-DCAA	93%		54-141%

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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	6900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	62.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	199	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	4.4	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	8800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	30.5	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:42	JH	SW846 9012A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	7040	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	48.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	9310	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	37.3	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85626.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	103%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44568.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.5	4.7	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.5	5.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.5	0.80	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.5	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.71	ug/l	
95-48-7	2-Methylphenol	ND	5.5	0.79	ug/l	
	3&4-Methylphenol	ND	5.5	0.77	ug/l	
88-75-5	2-Nitrophenol	ND	5.5	0.80	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.5	ug/l	
108-95-2	Phenol	ND	5.5	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.5	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.5	0.82	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.5	0.88	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.32	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.38	ug/l	
98-86-2	Acetophenone	ND	5.5	0.59	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
1912-24-9	Atrazine	ND	5.5	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.5	4.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.30	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.42	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.41	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.55	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.41	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.59	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.59	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	0.41	ug/l	
106-47-8	4-Chloroaniline	ND	5.5	0.47	ug/l	
86-74-8	Carbazole	ND	2.2	0.37	ug/l	
105-60-2	Caprolactam	ND	2.2	0.48	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.37	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.85	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.68	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.43	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.64	ug/l	
132-64-9	Dibenzofuran	ND	5.5	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.86	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.69	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.6	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.81	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.70	ug/l	
86-73-7	Fluorene	ND	2.2	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.45	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.49	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.73	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.7	ug/l	
78-59-1	Isophorone	ND	2.2	0.59	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.79	ug/l	
88-74-4	2-Nitroaniline	ND	5.5	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.5	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.5	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.55	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.87	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.26	ug/l	
129-00-0	Pyrene	ND	2.2	0.64	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.5	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-88%
4165-62-2	Phenol-d5	34%		10-71%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	85%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	93%		41-129%

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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15048.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0088	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0095	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0029	ug/l	
5103-71-9	alpha-Chlordane	ND	0.022	0.020	ug/l	
5103-74-2	gamma-Chlordane	ND	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.018	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0045	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.020	ug/l	
72-20-8	Endrin	ND	0.022	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.056	0.0059	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0065	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.056	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		35-138%
877-09-8	Tetrachloro-m-xylene	92%		35-138%
2051-24-3	Decachlorobiphenyl	101%		19-153%
2051-24-3	Decachlorobiphenyl	97%		19-153%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53512.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.084	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.094	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.080	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.080	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.56		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.56		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		27-140%
877-09-8	Tetrachloro-m-xylene	93%		27-140%
2051-24-3	Decachlorobiphenyl	105%		19-151%
2051-24-3	Decachlorobiphenyl	108%		19-151%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11292.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.53	0.30	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.13	ug/l	
93-76-5	2,4,5-T	ND	0.21	0.21	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	97%		54-141%
19719-28-9	2,4-DCAA	93%		54-141%

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:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	260	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	40800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	5610	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	108	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	17800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:43	JH	SW846 9012A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	262	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	40700	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	5610	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	18200	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	20.6	20	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85627.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-119%
17060-07-0	1,2-Dichloroethane-D4	104%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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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:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44569.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	4.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	5.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.4	0.78	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.70	ug/l	
95-48-7	2-Methylphenol	ND	5.4	0.78	ug/l	
	3&4-Methylphenol	ND	5.4	0.76	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	0.79	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.4	ug/l	
108-95-2	Phenol	ND	5.4	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	0.80	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	0.86	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.32	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.37	ug/l	
98-86-2	Acetophenone	ND	5.4	0.57	ug/l	
120-12-7	Anthracene	ND	2.2	0.23	ug/l	
1912-24-9	Atrazine	ND	5.4	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.4	3.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.41	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.40	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.58	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.58	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.41	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.46	ug/l	
86-74-8	Carbazole	ND	2.2	0.36	ug/l	
105-60-2	Caprolactam	ND	2.2	0.47	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.36	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.52	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.47	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.83	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.67	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.42	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.62	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.85	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.68	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.62	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.79	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.68	ug/l	
86-73-7	Fluorene	ND	2.2	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.45	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.48	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.72	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.6	ug/l	
78-59-1	Isophorone	ND	2.2	0.58	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.78	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.54	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.85	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.25	ug/l	
129-00-0	Pyrene	ND	2.2	0.63	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.4	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-88%
4165-62-2	Phenol-d5	33%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	86%		45-134%
4165-60-0	Nitrobenzene-d5	84%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	98%		41-129%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8081A SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OA15049.D	1	08/14/04	OPM	08/13/04	OP17703	GOA441
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.022	0.0088	ug/l	
319-84-6	alpha-BHC	ND	0.022	0.014	ug/l	
319-85-7	beta-BHC	ND	0.022	0.0095	ug/l	
319-86-8	delta-BHC	ND	0.022	0.011	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.022	0.0029	ug/l	
5103-71-9	alpha-Chlordane [a]	0.088	0.022	0.020	ug/l	
5103-74-2	gamma-Chlordane	0.13	0.022	0.014	ug/l	
60-57-1	Dieldrin	ND	0.022	0.014	ug/l	
72-54-8	4,4'-DDD	ND	0.022	0.018	ug/l	
72-55-9	4,4'-DDE	ND	0.022	0.0045	ug/l	
50-29-3	4,4'-DDT	ND	0.022	0.020	ug/l	
72-20-8	Endrin	ND	0.022	0.013	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.022	0.015	ug/l	
7421-93-4	Endrin aldehyde	ND	0.022	0.022	ug/l	
53494-70-5	Endrin ketone	ND	0.056	0.0059	ug/l	
959-98-8	Endosulfan-I	ND	0.022	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.022	0.0031	ug/l	
76-44-8	Heptachlor	ND	0.022	0.0065	ug/l	
1024-57-3	Heptachlor epoxide	0.49	0.022	0.012	ug/l	
72-43-5	Methoxychlor	ND	0.056	0.013	ug/l	
8001-35-2	Toxaphene	ND	0.28	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		35-138%
877-09-8	Tetrachloro-m-xylene	92%		35-138%
2051-24-3	Decachlorobiphenyl	96%		19-153%
2051-24-3	Decachlorobiphenyl	93%		19-153%

(a) Reported from lower concentration due to matrix interference.

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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:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8082 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF53513.D	1	08/18/04	OYA	08/13/04	OP17704	GEF2578
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.084	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.094	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.14	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.080	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.080	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.11	ug/l	
11100-14-4	**Aroclor 1268**	ND	0.56		ug/l	
37324-23-5	**Aroclor 1262**	ND	0.56		ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		27-140%
877-09-8	Tetrachloro-m-xylene	93%		27-140%
2051-24-3	Decachlorobiphenyl	102%		19-151%
2051-24-3	Decachlorobiphenyl	105%		19-151%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8151 SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G11293.D	1	08/18/04	KLS	08/13/04	OP17705	G1G283
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.53	0.29	ug/l	
93-72-1	2,4,5-TP (Silvex)	ND	0.16	0.13	ug/l	
93-76-5	2,4,5-T	ND	0.21	0.21	ug/l	
87-86-5	**Pentachlorophenol**	ND	0.16	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	96%		54-141%
19719-28-9	2,4-DCAA	92%		54-141%

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:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	6710	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	75.9	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	185	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	3.8	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	9010	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	56.2	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	<0.010	0.010	mg/l	1	08/17/04 17:44	JH	SW846 9012A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Barium [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [4]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Calcium [a]	6770	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Copper [a]	63.5	25	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Iron [a]	<100	100	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4	3.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [3]	SW846 7470A [5]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Silver [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Sodium [a]	8910	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [4]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Zinc [a]	79.5	20	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14311
(4) Prep QC Batch: MP26789
(5) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	N74914-16	**Date Sampled:**	08/12/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85608.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	N74914-16	**Date Sampled:**	08/12/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

CW
TB

ENSR

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914 ; X
Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4553-UzzleRd	8/11/04	1125	JB	GW	2					X	X										
RW0804-4553-UzzleRd			JB	GW	2					X		X									
RW0804-4553-UzzleRd -1,F			JB	GW	2					X			X								
RW0804-4553-UzzleRd			JB	GW	3					X				X							
RW0804-4553-UzzleRd			JB	GW	1					X					X						
RW0804-4553-UzzleRd			JB	GW	1			X								X					
RW0804-4553-UzzleRd			JB	GW	1			X									X				
RW0804-4553-UzzleRd			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

30 2

EX36 EX34
2221
WC18
ME8

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/11/04 1658	1 FedX	2 FedX	8/12/04 @0950	2 [signature]
3		3	4		4
5		5	Seal # rec'd intact	Preserved where applica VG	On Ice: 4.9

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: M7514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	VOCs / 8260B
RW0804-4553-UzzleRd -1	8/11/04	1120	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/11/04 1640	1 FedX	2 FedX	8/12/04 0950	2 [signature]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # Fed intact	Preserved where applica	On Ice: 5

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-HesterFarm	8/11/04	1525	JB	GW	2					X	X										
RW0804-HesterFarm			JB	GW	2					X		X									
RW0804-HesterFarm			JB	GW	2					X			X								
RW0804-HesterFarm -2F			JB	GW	3					X				X							
RW0804-HesterFarm			JB	GW	1					X					X						
RW0804-HesterFarm			JB	GW	1			X								X					
RW0804-HesterFarm			JB	GW	1			X									X				
RW0804-HesterFarm			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Approved By:

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/11/04 1648	1 FedX	2 FedX	8/12/04 @0950	2 [signature]
3		3	4		4
5		5	Seal # reid start	Preserved where applica	On Ice: 4.1

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-HesterFarm -2	8/11/04	1520	JB	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/11/04 1640	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3		3	4		4
5		5	Seal # rec'd intact	Preserved where applica	On Ice: 5

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4535-UzzleRd	8/11/04	1040	JB	GW	2					X	X										
RW0804-4535-UzzleRd			JB	GW	2					X		X									
RW0804-4535-UzzleRd			JB	GW	2					X			X								
RW0804-4535-UzzleRd			JB	GW	3					X				X							
RW0804-4535-UzzleRd			JB	GW	1					X					X						
RW0804-4535-UzzleRd			JB	GW	1			X								X					
RW0804-4535-UzzleRd			JB	GW	1			X									X				
RW0804-4535-UzzleRd			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	8/11/04 1710	1 FedX	2 FedX	8/12/04 @ 0950	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # reid intact	Preserved where applica	On Ice: 3.7

JA

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-4535-UzzleRd -3	8/11/04	1035	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

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	8/11/04 1640	1 FedX	2 FedX	8/12/04 @ 0950	2
3		3	4		4
5		5	Seal # Rec'd intact	Preserved where applica	On Ice: 5

8

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4578-UzzleRd	8/11/04	0915	JS	GW	2					X	X										
RW0804-4578-UzzleRd			JS	GW	2					X		X									
RW0804-4578-UzzleRd			JS	GW	2					X			X								
RW0804-4578-UzzleRd -4F			JS	GW	3					X				X							
RW0804-4578-UzzleRd		0925	JS	GW	1					X					X						
RW0804-4578-UzzleRd			JS	GW	1			X								X					
RW0804-4578-UzzleRd			JS	GW	1			X									X				
RW0804-4578-UzzleRd			JS	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Larry Berg	8/11/04 1653	1 FedX	2 FedX	8/12/04 @ 0950	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # reid intact	Preserved where applica	On Ice: 3.8

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	VOCs / 8260B
RW0804-4578-UzzleRd -4	8/11/04	0910	JB	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Larry Burger	8/11/04 1640	1 FedX	2 FedX	8/10/04 @0950	2 [signature]
3		3	4		4
5		5	Seal # reid intact	Preserved where applica	On Ice: 5

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A
RW0804-627B-EnonRd	8/11/04	1630	JB	GW	2					X	X							
RW0804-627B-EnonRd			JB	GW	2					X		X						
RW0804-627B-EnonRd			JB	GW	2					X			X					
RW0804-627B-EnonRd -5F			JB	GW	3					X				X				
RW0804-627B-EnonRd			JB	GW	1					X					X			
RW0804-627B-EnonRd			JB	GW	1			X								X		
RW0804-627B-EnonRd			JB	GW	1			X									X	
RW0804-627B-EnonRd			JB	GW	1		X											X
0				0														

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/11/04 1645	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3		3	4		4
5		5	Seal # reid intact	Preserved where applica ✓	On Ice: 4.9

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information	Facility Information	Analytical Information
Debra L. McGrath	Former Camp Butner	
Name: 2 Technology Park Drive	Project Name:	
Address: Westford MA 01886	Location:	
City State Zip	Project/PO #: 09090-068	
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282	

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	VOCs / 8260B
RW0804-627B-EnonRd -5	8/11/04	1625	[illegible]	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/11/04 1640	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3		3	4		4
5		5	Seal # Rei d intact	Preserved where applica	On Ice: 5

2H

8

TR5

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4573-UzzleRd	8/11/04	1245	[illegible]	GW	2					X	X										
RW0804-4573-UzzleRd			[illegible]	GW	2					X		X									
RW0804-4573-UzzleRd			[illegible]	GW	2					X			X								
RW0804-4573-UzzleRd -6F			[illegible]	GW	3					X				X							
RW0804-4573-UzzleRd			[illegible]	GW	1					X					X						
RW0804-4573-UzzleRd			[illegible]	GW	1			X								X					
RW0804-4573-UzzleRd			[illegible]	GW	1			X									X				
RW0804-4573-UzzleRd			[illegible]	GW	1		X											X			
0				0																	

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Day
- ☒ 7 Days *EMERGENCY*
- ☐ Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☒ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ ASP Category B
- ☐ State Forms

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:
[signature]	8/11/04 1715	1 Fed X	2 Fed X	8/12/04 0950	2 [signature]
3		3	4		4
5		5	Seal # rcd intact	Preserved where applica	On Ice: 5.0

2A

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	VOCs / 8260B
RW0804-4573-UzzleRd - 6	8/11/04	1240	[illegible]	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Approved By:

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/11/04 1640	1 FedX	2 FedX	8/12/04 @0950	2 [signature]
3		3	4		4
5		5	Seal # rec intact	Preserved where applica	On Ice: 5

2A

TR5

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-FieldDup2	8/11/04	0915	JS	GW	2					X	X										
RW0804-FieldDup2			JS	GW	2					X		X									
RW0804-FieldDup2			JS	GW	2					X			X								
RW0804-FieldDup2 -7F			JS	GW	3					X				X							
RW0804-FieldDup2		0925	JS	GW	1					X					X						
RW0804-FieldDup2			JS	GW	1			X								X					
RW0804-FieldDup2			JS	GW	1			X									X				
RW0804-FieldDup2			JS	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Dave Bergin	8/11/04 1655	1 FedX	2 FedX	8/12/04 @ 0950	2
3		3	4		4
5		5	Seal # reid intact 8	Preserved where applica ✓ 8	On Ice: 4.2

2A

TTS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	VOCs / 8260B
RWB0804-FieldDup2 -7	8/11/04	0910	LB	GW	3	X					X
-8 TB also rec'd/added to COC pending CS review @ 9/16											

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Approved By:

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Lang Benjamin	8/11/04 1640	1 FedX	2 FedX	8/12/04 @ 0950	2 [signature]
3		3	4		4
5		5	Seal # Rec'd intact	Preserved where applica	On Ice: 5

2A

8

TR5

GW
TB

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914 ,X
Accutest Quote #:

ENSR

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-6305-IshamChambers	8/12/04	1200	JB	GW	2					X	X										
RW0804-6305-IshamChambers		1200	JB	GW	2					X		X									
RW0804-6305-IshamChambers	PF	~~1210~~ 1205	JB	GW	2					X			X								
RW0804-6305-IshamChambers		1205	JB	GW	3					X				X							
RW0804-6305-IshamChambers		1210	JB	GW	1					X					X						
RW0804-6305-IshamChambers		1210	JB	GW	1			X								X					
RW0804-6305-IshamChambers		1210	JB	GW	1			X									X				
RW0804-6305-IshamChambers		1210	JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

(EX13) EX50
2253
WC19
AMETL

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1448	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
3		3	4		4
5		5	Seal # 742	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 2.6°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-6305-IshamChambers-5	8/12/04	1155	[illegible]	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1440	1 FedEx	2 FedEx	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-MS	8/12/04	1200	JB	GW	2					X	X										
RW0804-MS		1200	JB	GW	2					X		X									
RW0804-MS 9,F		1205	JB	GW	2					X			X								
RW0804-MS		1205	JB	GW	3					X				X							
RW0804-MS		1210	JB	GW	1					X					X						
RW0804-MS		1210	JB	GW	1			X								X					
RW0804-MS		1210	JB	GW	1			X									X				
RW0804-MS		1210	JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

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 Jerry Begin	8/12/04 1252	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 752	Preserved where applica ✓ KE 08/13/04	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74917

Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-MSD	8/12/04	1200	JB	GW	2					X	X										
RW0804-MSD		1200	JB	GW	2					X		X									
RW0804-MSD		1205	JB	GW	2					X			X								
RW0804-MSD .9F		1205	JB	GW	3					X				X							
RW0804-MSD		1210	JB	GW	1					X					X						
RW0804-MSD		1210	JB	GW	1			X								X					
RW0804-MSD		1210	JB	GW	1			X									X				
RW0804-MSD		1210	JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other 18 (Days)

RUSH TAT is for FAX data unless previously approved.

Approved By:

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1444	1 FEDEX	2 FED EX	08/13/04 @10:30	2
3		3	4		4
5		5	Seal # 754	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 2.2°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information	Facility Information
Debra L. McGrath	Former Camp Butner
Name: 2 Technology Park Drive	Project Name:
Address: Westford MA 01886	Location:
City State Zip	Project/PO #: 09090-068
Send Report to: Phone #: (978) 589-3358	FAX #: (978) 589-3282

Analytical Information: VOCs / 8260B

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RWB0804-MS -9	8/12/04	1155	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

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:
[signature]	8/12/04 1440	1 FEDEX	2 FEDEX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2-4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 08090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4710-MoriahRd	8/12/04	0815	JB	GW	2					X	X										
RW0804-4710-MoriahRd			JB	GW	2					X		X									
RW0804-4710-MoriahRd			JB	GW	2					X			X								
RW0804-4710-MoriahRd			JB	GW	3					X				X							
RW0804-4710-MoriahRd			JB	GW	1					X					X						
RW0804-4710-MoriahRd			JB	GW	1			X								X					
RW0804-4710-MoriahRd			JB	GW	1			X									X				
RW0804-4710-MoriahRd			JB	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Larry Berg	8/12/04 1500	1 FEDEx	2 FED Ex	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 692	Preserved where applies ✓ Ke 08/13/04	On Ice: ✓ 2.6°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: 174514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-4710-MoriahRd	8/12/04	0810	[illegible]	GW	3	X					X
-10											

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

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:
[signature]	8/12/04 1400	1 FEDEX	2 FEDEX	08/13/04 @10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TPS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-4709-MoriahRd	8/12/04	0905	[illegible]	GW	2					X	X										
RW0804-4709-MoriahRd			[illegible]	GW	2					X		X									
RW0804-4709-MoriahRd			[illegible]	GW	2					X			X								
RW0804-4709-MoriahRd			[illegible]	GW	3					X				X							
RW0804-4709-MoriahRd			[illegible]	GW	1					X					X						
RW0804-4709-MoriahRd			[illegible]	GW	1			X								X					
RW0804-4709-MoriahRd			[illegible]	GW	1			X									X				
RW0804-4709-MoriahRd			[illegible]	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH tests is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Larry Benji	8/12/04 1505	1 FED EX	2 FED EX	08/13/04 @10:30	2
3		3	4		4
5		5	Seal # 694	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 08090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
CB0804-4709-MorlahRd -11	8/12/04	0920	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1440	1 FED EX	2 FED EX	08/13/04 @10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRC

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N7414
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Former Camp Butner
Project Name:
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A
RW0804-5057-ClaytonRd	8/12/04	1010	JS	GW	2					X	X							
RW0804-5057-ClaytonRd			JS	GW	2					X		X						
RW0804-5057-ClaytonRd -12			JS	GW	2					X			X					
RW0804-5057-ClaytonRd			JS	GW	3					X				X				
RW0804-5057-ClaytonRd			JS	GW	1					X					X			
RW0804-5057-ClaytonRd			JS	GW	1			X								X		
RW0804-5057-ClaytonRd			JS	GW	1			X									X	
RW0804-5057-ClaytonRd			JS	GW	1		X											X
0				0														

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/12/04 1455	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 696	Preserved where applica ✓ KL 08/13/04	On Ice: ✓ 2.2°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-5057-ClaytonRd -12	8/12/04	1005	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/12/04 1440	1 FedEx	2 FedEx	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Debra L. McGrath
Name: 2 Technology Park Drive
Address: Westford MA 01886
City State Zip
Send Report to:
Phone #: (978) 589-3358

Facility Information

Former Camp Butner
Project Name:
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-2202-TilleyFarmRd	8/12/04	1300	[illegible]	GW	2					X	X										
RW0804-2202-TilleyFarmRd			[illegible]	GW	2					X		X									
RW0804-2202-TilleyFarmRd			[illegible]	GW	2					X			X								
RW0804-2202-TilleyFarmRd	13F		[illegible]	GW	3					X				X							
RW0804-2202-TilleyFarmRd			[illegible]	GW	1					X					X						
RW0804-2202-TilleyFarmRd			[illegible]	GW	1			X								X					
RW0804-2202-TilleyFarmRd			[illegible]	GW	1			X									X				
RW0804-2202-TilleyFarmRd			[illegible]	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other ( ) (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1430	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 746	Preserved where applies ✓ KC 08/12/04	On Ice: ✓ 4.8°

TR5

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-2202-TilleyFarmRd -13	8/12/04	1255	JB	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/12/04 1440	1 FEDEX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2So4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-564-BethanyChurch	8/12/04	1050	JS	GW	2					X	X										
* RW0804-564-BethanyChurch			JS	GW	2					X		X									
RW0804-564-BethanyChurch			JS	GW	2					X			X								
RW0804-564-BethanyChurch			JS	GW	3					X				X							
RW0804-564-BethanyChurch			JS	GW	1					X					X						
RW0804-564-BethanyChurch			JS	GW	1			X								X					
RW0804-564-BethanyChurch			JS	GW	1			X									X				
RW0804-564-BethanyChurch			JS	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

* 1 PEST BOTTLE RECIEVED BROKEN. KL 08/13/04

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/12/04 1442	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 744	Preserved where applica ✓ KL 08/13/04	On Ice: ✓ 2.8°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N7454
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RW0804-564-BethanyChurch -14	8/12/04	1045	JS	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [x] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [x] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/12/04 1440	1 FED EX	2 FED EX	08/13/04 @10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.7°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74914

Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Former Camp Butner
Project Name:
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	SVOCs / 8270C	Pesticides / PCBs / 8081A / 8082	Herbicides / 8151	Explosives / Nitroglycerin/ 8330/8332	Perchlorates / 8321M	TAL Metals (total) / 6010B / 6020 / 7470A	TAL Metals (dissolved) / 6010B / 6020 / 7470A	Cyanide / 9012A			
RW0804-FieldDup3	8/12/04	1300	[illegible]	GW	2					X	X										
RW0804-FieldDup3			[illegible]	GW	2					X		X									
RW0804-FieldDup3			[illegible]	GW	2					X			X								
RW0804-FieldDup3 -75,F			[illegible]	GW	3					X				X							
RW0804-FieldDup3			[illegible]	GW	1					X					X						
RW0804-FieldDup3			[illegible]	GW	1			X								X					
RW0804-FieldDup3			[illegible]	GW	1			X									X				
RW0804-FieldDup3			[illegible]	GW	1		X											X			
0				0																	

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	8/12/04 1430	1 FEDEX	2 FEDEX	08/13/04 @10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal # 921	Preserved where applica ✓ KC 08/13/04	On Ice: ✓ 6.°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RWB0804-FieldDup3 -15	8/12/04	1255	[illegible]	GW	3	X					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days EMERGENCY
- [ ] Other _____ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify) _____
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

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:
[signature]	8/12/04 1440	1 FED EX	2 FED EX	08/13/04 @ 10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRS

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: N74514
Accutest Quote #:

Client Information

Name: Debra L. McGrath
Address: 2 Technology Park Drive
City: Westford State: MA Zip: 01886
Send Report to:
Phone #: (978) 589-3358

Facility Information

Project Name: Former Camp Butner
Location:
Project/PO #: 09090-068
FAX #: (978) 589-3282

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs / 8260B
RWB0804-MSD -9	8/12/04	1155	ZS	GW	3	X					X
TRIP BLANK -16 8/12/04, 0630											

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [X] 7 Days *EMERGENCY*
- [ ] Other _____ (Days)

RUSH T/A's for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [X] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

ADDED TO COC PENDING REVIEW (JD 8/13/04)

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:
[signature]	8/12/04 1440	1 FED EX	2 FEDEX	08/13/04 @10:30	2
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applica	On Ice: ✓ 2.4°

TRS

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-1.1	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-1.1	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-1.1	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-1.1	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-1.1.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-1.1
N74914-1.1.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-1.1
N74914-1.1.1	Bo Li	Extract Storage	08/13/04 12:07	Return to Storage
N74914-1.1.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-1.1.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-1.1.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-1.1.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-1.1.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-1.1
N74914-1.1.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-1.1
N74914-1.1.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-1.1.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-1.1.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-1.1.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-1.1.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-1.3	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-1.3	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-1.3	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-1.3	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-1.3	George Paunovski		08/13/04 18:33	Depleted
N74914-1.3.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-1.3
N74914-1.3.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-1.3
N74914-1.3.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-1.3.1	Extract Storage	Kristi Schollenberger	08/17/04 17:38	Retrieve from Storage
N74914-1.3.1	Kristi Schollenberger	GC1G	08/17/04 17:38	Load on Instrument
N74914-1.3.1	GC1G	Kristi Schollenberger	08/24/04 10:04	Unload from Instrument
N74914-1.3.1	Kristi Schollenberger	Extract Freezer	08/24/04 10:04	Return to Storage
N74914-1.5	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-1.5	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-1.5	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-1.5	Bo Li		08/13/04 10:22	Depleted
N74914-1.5.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-1.5
N74914-1.5.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-1.5
N74914-1.5.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-1.5.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-1.5.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-1.5.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-1.5.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-1.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-1.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-1.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-1.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-1.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-1.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-1.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-1.7
N74914-1.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-1.7
N74914-1.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-1.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-1.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-1.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-1.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-1.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-1.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-1.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-1.7
N74914-1.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-1.7
N74914-1.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-1.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-1.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-1.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-1.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-1.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-1.9
N74914-1.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-1.9
N74914-1.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-1.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-1.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-1.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-1.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-1.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-1.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-1F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-1F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-1F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-1F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-1F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-1F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-1F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-1F.8
N74914-1F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-1F.8
N74914-1F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-1F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-1F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-1F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-1F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-1F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-1F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-1F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-1F.8
N74914-1F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-1F.8
N74914-1F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-2.2	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-2.2	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-2.2	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-2.2	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-2.2.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-2.2
N74914-2.2.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-2.2
N74914-2.2.1	Bo Li	Extract Storage	08/13/04 12:07	Return to Storage
N74914-2.2.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-2.2.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-2.2.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-2.2.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-2.2.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-2.2
N74914-2.2.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-2.2
N74914-2.2.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-2.2.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-2.2.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-2.2.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-2.2.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-2.4	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-2.4	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-2.4	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-2.4	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer

Accutest Internal Chain of Custody

Job Number: N74914
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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-2.4	George Paunovski		08/13/04 18:33	Depleted
N74914-2.4.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-2.4
N74914-2.4.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-2.4
N74914-2.4.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-2.4.1	Extract Storage	Kristi Schollenberger	08/17/04 17:38	Retrieve from Storage
N74914-2.4.1	Kristi Schollenberger	GC1G	08/17/04 17:38	Load on Instrument
N74914-2.4.1	GC1G	Kristi Schollenberger	08/24/04 10:04	Unload from Instrument
N74914-2.4.1	Kristi Schollenberger	Extract Freezer	08/24/04 10:04	Return to Storage
N74914-2.5	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-2.5	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-2.5	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-2.5	Bo Li		08/13/04 10:22	Depleted
N74914-2.5.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-2.5
N74914-2.5.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-2.5
N74914-2.5.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-2.5.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-2.5.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-2.5.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-2.5.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-2.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-2.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-2.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-2.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-2.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-2.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-2.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-2.7
N74914-2.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-2.7
N74914-2.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-2.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-2.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-2.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-2.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-2.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-2.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-2.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-2.7
N74914-2.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-2.7
N74914-2.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-2.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-2.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-2.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-2.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-2.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-2.9
N74914-2.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-2.9
N74914-2.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-2.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-2.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-2.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-2.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-2.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-2.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-2F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-2F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-2F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-2F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-2F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-2F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-2F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-2F.8
N74914-2F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-2F.8
N74914-2F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-2F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-2F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-2F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-2F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-2F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-2F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-2F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-2F.8
N74914-2F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-2F.8
N74914-2F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-3.2	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-3.2	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-3.2	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-3.2	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-3.2	George Paunovski		08/13/04 18:33	Depleted

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-3.2.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-3.2
N74914-3.2.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-3.2
N74914-3.2.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-3.2.1	Extract Storage	Kristi Schollenberger	08/18/04 10:52	Retrieve from Storage
N74914-3.2.1	Kristi Schollenberger	GC1G	08/18/04 10:52	Load on Instrument
N74914-3.2.1	GC1G	Kristi Schollenberger	08/24/04 10:04	Unload from Instrument
N74914-3.2.1	Kristi Schollenberger	Extract Freezer	08/24/04 10:04	Return to Storage
N74914-3.3	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-3.3	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-3.3	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-3.3	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-3.3.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-3.3
N74914-3.3.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-3.3
N74914-3.3.1	Bo Li	Extract Storage	08/13/04 12:07	Return to Storage
N74914-3.3.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-3.3.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-3.3.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-3.3.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-3.3.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-3.3
N74914-3.3.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-3.3
N74914-3.3.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-3.3.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-3.3.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-3.3.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-3.3.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-3.6	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-3.6	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-3.6	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-3.6	Bo Li		08/13/04 10:22	Depleted
N74914-3.6.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-3.6
N74914-3.6.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-3.6
N74914-3.6.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-3.6.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-3.6.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-3.6.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-3.6.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-3.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-3.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-3.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-3.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-3.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-3.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-3.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-3.7
N74914-3.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-3.7
N74914-3.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-3.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-3.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-3.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-3.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-3.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-3.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-3.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-3.7
N74914-3.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-3.7
N74914-3.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-3.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-3.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-3.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-3.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-3.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-3.9
N74914-3.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-3.9
N74914-3.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-3.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-3.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-3.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-3.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-3.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-3.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-3F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-3F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-3F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-3F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-3F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-3F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-3F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-3F.8

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-3F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-3F.8
N74914-3F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-3F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-3F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-3F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-3F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-3F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-3F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-3F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-3F.8
N74914-3F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-3F.8
N74914-3F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-4.1	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-4.1	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-4.1	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-4.1	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-4.1.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-4.1
N74914-4.1.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-4.1
N74914-4.1.1	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-4.1.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-4.1.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-4.1.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-4.1.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-4.1.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-4.1
N74914-4.1.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-4.1
N74914-4.1.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-4.1.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-4.1.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-4.1.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-4.1.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-4.3	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-4.3	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-4.3	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-4.3	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-4.3	George Paunovski		08/13/04 18:33	Depleted
N74914-4.3.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-4.3
N74914-4.3.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-4.3
N74914-4.3.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-4.3.1	Extract Storage	Kristi Schollenberger	08/18/04 10:52	Retrieve from Storage

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-4.3.1	Kristi Schollenberger	GC1G	08/18/04 10:52	Load on Instrument
N74914-4.3.1	GC1G	Kristi Schollenberger	08/24/04 10:04	Unload from Instrument
N74914-4.3.1	Kristi Schollenberger	Extract Freezer	08/24/04 10:04	Return to Storage
N74914-4.6	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-4.6	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-4.6	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-4.6	Bo Li		08/13/04 10:22	Depleted
N74914-4.6.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-4.6
N74914-4.6.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-4.6
N74914-4.6.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-4.6.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-4.6.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-4.6.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-4.6.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-4.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-4.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-4.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-4.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-4.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-4.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-4.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-4.7
N74914-4.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-4.7
N74914-4.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-4.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-4.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-4.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-4.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-4.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-4.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-4.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-4.7
N74914-4.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-4.7
N74914-4.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-4.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-4.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-4.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-4.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-4.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-4.9

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-4.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-4.9
N74914-4.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-4.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-4.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-4.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-4.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-4.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-4.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-4F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-4F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-4F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-4F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-4F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-4F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-4F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-4F.8
N74914-4F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-4F.8
N74914-4F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-4F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-4F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-4F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-4F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-4F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-4F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-4F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-4F.8
N74914-4F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-4F.8
N74914-4F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-5.1	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-5.1	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-5.1	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-5.1	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-5.1.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-5.1
N74914-5.1.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-5.1
N74914-5.1.1	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-5.1.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-5.1.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-5.1.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-5.1.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-5.1.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-5.1
N74914-5.1.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-5.1
N74914-5.1.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-5.1.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-5.1.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-5.1.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-5.1.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-5.4	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-5.4	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-5.4	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-5.4	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-5.4	George Paunovski		08/13/04 18:33	Depleted
N74914-5.4.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-5.4
N74914-5.4.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-5.4
N74914-5.4.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-5.5	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-5.5	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-5.5	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-5.5	Bo Li		08/13/04 10:22	Depleted
N74914-5.5.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-5.5
N74914-5.5.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-5.5
N74914-5.5.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-5.5.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-5.5.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-5.5.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-5.5.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-5.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-5.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-5.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-5.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-5.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-5.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-5.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-5.7
N74914-5.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-5.7
N74914-5.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-5.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-5.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-5.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-5.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-5.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-5.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-5.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-5.7
N74914-5.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-5.7
N74914-5.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-5.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-5.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-5.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-5.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-5.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-5.9
N74914-5.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-5.9
N74914-5.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-5.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-5.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-5.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-5.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-5.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-5.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-5F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-5F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-5F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-5F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-5F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-5F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-5F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-5F.8
N74914-5F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-5F.8
N74914-5F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-5F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-5F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-5F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-5F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-5F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-5F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-5F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-5F.8

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-5F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-5F.8
N74914-5F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-6.1	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-6.1	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-6.1	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-6.1	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-6.1.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-6.1
N74914-6.1.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-6.1
N74914-6.1.1	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-6.1.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-6.1.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-6.1.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-6.1.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-6.1.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-6.1
N74914-6.1.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-6.1
N74914-6.1.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-6.1.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-6.1.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-6.1.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-6.1.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-6.4	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-6.4	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-6.4	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-6.4	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-6.4	George Paunovski		08/13/04 18:33	Depleted
N74914-6.4.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-6.4
N74914-6.4.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-6.4
N74914-6.4.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-6.6	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-6.6	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-6.6	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-6.6	Bo Li		08/13/04 10:22	Depleted
N74914-6.6.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-6.6
N74914-6.6.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-6.6
N74914-6.6.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-6.6.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-6.6.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-6.6.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-6.6.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-6.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-6.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-6.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-6.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-6.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-6.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-6.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-6.7
N74914-6.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-6.7
N74914-6.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-6.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-6.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-6.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-6.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-6.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-6.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-6.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-6.7
N74914-6.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-6.7
N74914-6.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-6.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-6.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-6.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-6.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-6.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-6.9
N74914-6.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-6.9
N74914-6.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-6.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-6.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-6.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-6.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-6.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-6.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-6F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-6F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-6F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-6F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-6F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-6F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-6F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-6F.8
N74914-6F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-6F.8
N74914-6F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-6F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-6F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-6F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-6F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-6F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-6F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-6F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-6F.8
N74914-6F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-6F.8
N74914-6F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-7.2	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-7.2	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-7.2	Ron Lee	Anthony Troy Hankerson	08/13/04 09:32	Custody Transfer
N74914-7.2	Anthony Troy Hankerson		08/13/04 09:50	Depleted
N74914-7.2.1	Anthony Troy Hankerson	Organics Prep	08/13/04 09:32	Extract from N74914-7.2
N74914-7.2.1	Organics Prep	Bo Li	08/13/04 12:07	Extract from N74914-7.2
N74914-7.2.1	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-7.2.1	Extract Storage	Owen McKenna	08/13/04 15:46	Retrieve from Storage
N74914-7.2.1	Owen McKenna	GCOA	08/13/04 15:46	Load on Instrument
N74914-7.2.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-7.2.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-7.2.2	Anthony Troy Hankerson	Organics Prep	08/13/04 09:33	Extract from N74914-7.2
N74914-7.2.2	Organics Prep	Bo Li	08/13/04 12:08	Extract from N74914-7.2
N74914-7.2.2	Bo Li	Extract Storage	08/13/04 12:08	Return to Storage
N74914-7.2.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-7.2.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-7.2.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-7.2.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-7.4	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-7.4	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-7.4	Ron Lee	Chet Skalski	08/13/04 09:37	Custody Transfer
N74914-7.4	Chet Skalski	George Paunovski	08/13/04 09:41	Custody Transfer
N74914-7.4	George Paunovski		08/13/04 18:33	Depleted

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-7.4.1	George Paunovski	Organics Prep	08/13/04 09:43	Extract from N74914-7.4
N74914-7.4.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-7.4
N74914-7.4.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-7.5	Secured Storage	Todd Shoemaker	08/13/04 08:26	Retrieve from Storage
N74914-7.5	Todd Shoemaker	Ron Lee	08/13/04 08:28	Custody Transfer
N74914-7.5	Ron Lee	Bo Li	08/13/04 09:29	Custody Transfer
N74914-7.5	Bo Li		08/13/04 10:22	Depleted
N74914-7.5.1	Bo Li	Organics Prep	08/13/04 09:29	Extract from N74914-7.5
N74914-7.5.1	Organics Prep	Bo Li	08/13/04 12:10	Extract from N74914-7.5
N74914-7.5.1	Bo Li	Extract Storage	08/13/04 12:10	Return to Storage
N74914-7.5.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-7.5.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-7.5.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-7.5.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-7.7	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-7.7	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-7.7	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-7.7	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-7.7	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-7.7	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-7.7.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-7.7
N74914-7.7.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-7.7
N74914-7.7.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-7.7.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-7.7.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-7.7.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-7.7.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-7.7.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-7.7.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-7.7.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-7.7
N74914-7.7.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-7.7
N74914-7.7.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-7.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-7.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-7.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-7.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-7.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-7.9
N74914-7.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-7.9
N74914-7.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-7.10	Secured Storage	Nick Popow	08/12/04 15:05	Retrieve from Storage
N74914-7.10	Nick Popow		08/20/04 15:33	Subcontract
N74914-7.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-7.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-7.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-7.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-7F.8	Secured Storage	Todd Shoemaker	08/13/04 09:19	Retrieve from Storage
N74914-7F.8	Todd Shoemaker	Michael Wassef	08/13/04 09:20	Custody Transfer
N74914-7F.8	Michael Wassef	Secured Storage	08/13/04 12:24	Return to Storage
N74914-7F.8	Secured Storage	Dave Hunkele	08/13/04 13:38	Retrieve from Storage
N74914-7F.8	Dave Hunkele	Wenying Guo	08/13/04 13:39	Custody Transfer
N74914-7F.8	Wenying Guo	Secured Storage	08/13/04 16:57	Return to Storage
N74914-7F.8.1	Michael Wassef	Metals Digestion	08/13/04 12:24	Digestate from N74914-7F.8
N74914-7F.8.1	Metals Digestion	Michael Wassef	08/13/04 14:19	Digestate from N74914-7F.8
N74914-7F.8.1	Michael Wassef	Metals Digestate Storage	08/13/04 14:43	Return to Storage
N74914-7F.8.1	Metals Digestate Storage	Joan D. McCormack	08/13/04 15:32	Retrieve from Storage
N74914-7F.8.1	Joan D. McCormack	Metals Digestate Storage	08/13/04 15:52	Return to Storage
N74914-7F.8.1	Metals Digestate Storage	Kathy Lukenda	08/17/04 22:55	Retrieve from Storage
N74914-7F.8.1	Kathy Lukenda	Metals Digestate Storage	08/17/04 23:49	Return to Storage
N74914-7F.8.1	Metals Digestate Storage	Joan D. McCormack	08/18/04 11:32	Retrieve from Storage
N74914-7F.8.1	Joan D. McCormack	Metals Digestate Storage	08/18/04 12:17	Return to Storage
N74914-7F.8.2	Wenying Guo	Hg Metals Digestion	08/13/04 16:56	Digestate from N74914-7F.8
N74914-7F.8.2	Hg Metals Digestion	Wenying Guo	08/16/04 11:53	Digestate from N74914-7F.8
N74914-7F.8.2	Wenying Guo	Metals Digestate Storage	08/16/04 12:31	Return to Storage
N74914-8.1	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-8.1	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-8.1	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-8.1	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-9.2	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-9.2	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-9.2.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.2
N74914-9.2.1	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-9.2
N74914-9.2.1	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-9.2.1	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-9.2.1	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-9.2.1	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-9.2.1	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-9.3	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-9.3	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-9.3.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.3
N74914-9.3.1	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-9.3
N74914-9.3.1	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-9.3.1	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-9.3.1	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-9.3.1	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-9.3.1	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-9.4	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-9.4	George Paunovski		08/13/04 18:33	Depleted
N74914-9.4.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-9.4
N74914-9.4.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-9.4
N74914-9.4.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-9.5	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-9.5	George Paunovski		08/13/04 18:33	Depleted
N74914-9.5.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-9.5
N74914-9.5.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-9.5
N74914-9.5.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-9.6	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-9.6	Bo Li		08/13/04 14:50	Depleted
N74914-9.6.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-9.6
N74914-9.6.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.6
N74914-9.6.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.6.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-9.6.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-9.6.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-9.6.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-9.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-9.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-9.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
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Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-9.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-9.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-9.7
N74914-9.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-9.7
N74914-9.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-9.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-9.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-9.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-9.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-9.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-9.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-9.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-9.7
N74914-9.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-9.7
N74914-9.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-9.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-9.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-9.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-9.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-9.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-9.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-9.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-9.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-9.15	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-9.15	Bo Li		08/13/04 14:50	Depleted
N74914-9.15.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-9.15
N74914-9.15.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.15
N74914-9.15.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.15.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-9.15.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-9.15.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-9.15.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-9.16	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-9.16	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-9.16.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.16
N74914-9.16.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.16

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-9.16.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.17	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-9.17	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-9.17.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.17
N74914-9.17.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.17
N74914-9.17.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.18	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-9.18	George Paunovski		08/13/04 18:33	Depleted
N74914-9.18.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-9.18
N74914-9.18.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-9.18
N74914-9.18.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-9.20	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-9.20	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-9.20	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-9.20	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9.20	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9.20	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-9.27	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-9.27	Bo Li		08/13/04 14:50	Depleted
N74914-9.27.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-9.27
N74914-9.27.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.27
N74914-9.27.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.27.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-9.27.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-9.27.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-9.27.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-9.28	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-9.28	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-9.28.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.28
N74914-9.28.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-9.28
N74914-9.28.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-9.28.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-9.28.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-9.28.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-9.28.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-9.28.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-9.28
N74914-9.28.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-9.28
N74914-9.28.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-9.28.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-9.28.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-9.28.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-9.28.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-9.33	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9.33	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9.33	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-9.34	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-9.34	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-9.34	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-9.34	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-9.36	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-9.36	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-9.36	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-9.36	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-9.37	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-9.37	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-9.37	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-9.37	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-9.39	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-9.39	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-9.39	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-9.39	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-9.39.1	Shirley Grzybowski	GenChem Distillation	08/17/04 14:46	Distillate from N74914-9.39
N74914-9.39.1	GenChem Distillation	Shirley Grzybowski	08/17/04 14:46	Distillate from N74914-9.39
N74914-9.39.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 14:46	Return to Storage
N74914-9F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-9F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-9F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-9F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-9F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-9F.8
N74914-9F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-9F.8
N74914-9F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-9F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-9F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-9F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-9F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-9F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-9F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-9F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-9F.8
N74914-9F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-9F.8
N74914-9F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-9F.21	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-9F.21	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-9F.21	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-9F.21	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9F.21	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9F.21	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-9F.22	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-9F.22	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-9F.22	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-10.2	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-10.2	Bo Li		08/13/04 14:50	Depleted
N74914-10.2.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-10.2
N74914-10.2.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-10.2
N74914-10.2.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-10.2.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-10.2.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-10.2.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-10.2.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-10.4	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-10.4	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-10.4.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-10.4
N74914-10.4.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-10.4
N74914-10.4.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-10.4.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-10.4.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument

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N74914-10.4.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-10.4.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-10.4.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-10.4
N74914-10.4.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-10.4
N74914-10.4.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-10.4.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-10.4.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-10.4.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-10.4.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-10.5	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-10.5	George Paunovski		08/13/04 18:33	Depleted
N74914-10.5.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-10.5
N74914-10.5.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-10.5
N74914-10.5.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-10.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-10.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-10.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-10.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-10.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-10.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-10.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-10.7
N74914-10.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-10.7
N74914-10.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-10.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-10.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-10.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-10.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-10.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-10.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-10.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-10.7
N74914-10.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-10.7
N74914-10.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-10.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-10.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-10.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-10.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage

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N74914-10.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-10.9
N74914-10.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-10.9
N74914-10.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-10.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-10.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-10.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-10.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-10F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-10F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-10F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-10F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-10F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-10F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-10F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-10F.8
N74914-10F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-10F.8
N74914-10F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-10F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-10F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-10F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-10F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-10F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-10F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-10F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-10F.8
N74914-10F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-10F.8
N74914-10F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-11.2	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-11.2	Bo Li		08/13/04 14:50	Depleted
N74914-11.2.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-11.2
N74914-11.2.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-11.2
N74914-11.2.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-11.2.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-11.2.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-11.2.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-11.2.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-11.4	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-11.4	Anthony Troy Hankerson		08/13/04 15:13	Depleted

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-11.4.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-11.4
N74914-11.4.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-11.4
N74914-11.4.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-11.4.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-11.4.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-11.4.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-11.4.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-11.4.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-11.4
N74914-11.4.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-11.4
N74914-11.4.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-11.4.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-11.4.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-11.4.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-11.4.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-11.6	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-11.6	George Paunovski		08/13/04 18:33	Depleted
N74914-11.6.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-11.6
N74914-11.6.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-11.6
N74914-11.6.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-11.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-11.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-11.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-11.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-11.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-11.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-11.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-11.7
N74914-11.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-11.7
N74914-11.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-11.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-11.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-11.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-11.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-11.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-11.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-11.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-11.7
N74914-11.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-11.7
N74914-11.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-11.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-11.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-11.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-11.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-11.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-11.9
N74914-11.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-11.9
N74914-11.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-11.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-11.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-11.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-11.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-11F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-11F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-11F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-11F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-11F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-11F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-11F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-11F.8
N74914-11F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-11F.8
N74914-11F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-11F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-11F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-11F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-11F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-11F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-11F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-11F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-11F.8
N74914-11F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-11F.8
N74914-11F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-12.1	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-12.1	Bo Li		08/13/04 14:50	Depleted
N74914-12.1.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-12.1
N74914-12.1.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-12.1
N74914-12.1.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-12.1.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-12.1.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-12.1.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-12.1.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-12.3	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-12.3	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-12.3.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-12.3
N74914-12.3.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-12.3
N74914-12.3.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-12.3.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-12.3.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-12.3.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-12.3.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-12.3.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-12.3
N74914-12.3.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-12.3
N74914-12.3.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-12.3.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-12.3.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-12.3.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-12.3.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-12.5	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-12.5	George Paunovski		08/13/04 18:33	Depleted
N74914-12.5.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-12.5
N74914-12.5.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-12.5
N74914-12.5.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-12.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-12.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-12.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-12.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-12.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-12.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-12.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-12.7
N74914-12.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-12.7
N74914-12.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-12.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-12.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-12.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-12.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-12.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-12.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage

Accutest Internal Chain of Custody

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-12.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-12.7
N74914-12.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-12.7
N74914-12.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-12.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-12.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-12.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-12.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-12.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-12.9
N74914-12.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-12.9
N74914-12.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-12.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-12.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-12.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-12.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-12F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-12F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-12F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-12F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-12F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-12F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-12F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-12F.8
N74914-12F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-12F.8
N74914-12F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-12F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-12F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-12F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-12F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-12F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-12F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-12F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-12F.8
N74914-12F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-12F.8
N74914-12F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-13.2	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-13.2	Bo Li		08/13/04 14:50	Depleted
N74914-13.2.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-13.2

Accutest Internal Chain of Custody

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-13.2.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-13.2
N74914-13.2.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-13.2.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-13.2.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-13.2.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-13.2.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-13.3	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-13.3	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-13.3.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-13.3
N74914-13.3.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-13.3
N74914-13.3.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-13.3.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-13.3.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-13.3.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-13.3.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-13.3.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-13.3
N74914-13.3.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-13.3
N74914-13.3.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-13.3.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-13.3.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-13.3.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-13.3.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-13.5	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-13.5	George Paunovski		08/13/04 18:33	Depleted
N74914-13.5.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-13.5
N74914-13.5.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-13.5
N74914-13.5.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-13.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-13.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-13.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-13.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-13.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-13.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-13.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-13.7
N74914-13.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-13.7
N74914-13.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-13.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage

Accutest Internal Chain of Custody

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-13.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-13.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-13.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-13.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-13.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-13.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-13.7
N74914-13.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-13.7
N74914-13.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-13.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-13.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-13.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-13.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-13.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-13.9
N74914-13.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-13.9
N74914-13.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-13.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-13.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-13.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-13.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-13F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-13F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-13F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-13F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-13F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-13F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-13F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-13F.8
N74914-13F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-13F.8
N74914-13F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-13F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-13F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-13F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-13F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-13F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-13F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-13F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-13F.8
N74914-13F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-13F.8
N74914-13F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage

Accutest Internal Chain of Custody

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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-14.1	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-14.1	Bo Li		08/13/04 14:50	Depleted
N74914-14.1.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-14.1
N74914-14.1.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-14.1
N74914-14.1.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-14.1.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-14.1.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-14.1.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-14.1.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-14.3	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-14.3	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-14.3.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-14.3
N74914-14.3.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-14.3
N74914-14.3.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-14.3.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-14.3.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-14.3.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-14.3.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-14.3.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-14.3
N74914-14.3.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-14.3
N74914-14.3.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-14.3.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-14.3.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-14.3.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-14.3.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-14.5	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-14.5	George Paunovski		08/13/04 18:33	Depleted
N74914-14.5.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-14.5
N74914-14.5.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-14.5
N74914-14.5.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-14.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-14.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-14.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-14.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-14.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-14.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
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Project: Former Camp Butner, NC
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-14.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-14.7
N74914-14.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-14.7
N74914-14.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-14.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-14.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-14.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-14.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-14.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-14.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-14.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-14.7
N74914-14.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-14.7
N74914-14.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-14.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-14.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-14.9	Christine Buccheri	Shirley Grzybowski	08/17/04 15:14	Custody Transfer
N74914-14.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-14.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:15	Distillate from N74914-14.9
N74914-14.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:15	Distillate from N74914-14.9
N74914-14.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:15	Return to Storage
N74914-14.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-14.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-14.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-14.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-14F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-14F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-14F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-14F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-14F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-14F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-14F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-14F.8
N74914-14F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-14F.8
N74914-14F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-14F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-14F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-14F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-14F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-14F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-14F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-14F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-14F.8
N74914-14F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-14F.8
N74914-14F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-15.1	Secured Storage	Bo Li	08/13/04 13:29	Retrieve from Storage
N74914-15.1	Bo Li		08/13/04 14:50	Depleted
N74914-15.1.1	Bo Li	Organics Prep	08/13/04 13:29	Extract from N74914-15.1
N74914-15.1.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-15.1
N74914-15.1.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-15.1.1	Extract Storage	Nina Pandya	08/18/04 11:46	Retrieve from Storage
N74914-15.1.1	Nina Pandya	GCMSF	08/18/04 11:46	Load on Instrument
N74914-15.1.1	GCMSF	Nina Pandya	08/19/04 12:19	Unload from Instrument
N74914-15.1.1	Nina Pandya	Extract Freezer	08/19/04 12:19	Return to Storage
N74914-15.4	Secured Storage	Anthony Troy Hankerson	08/13/04 13:34	Retrieve from Storage
N74914-15.4	Anthony Troy Hankerson		08/13/04 15:13	Depleted
N74914-15.4.1	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-15.4
N74914-15.4.1	Organics Prep	Bo Li	08/13/04 16:27	Extract from N74914-15.4
N74914-15.4.1	Bo Li	Extract Storage	08/13/04 16:27	Return to Storage
N74914-15.4.1	Extract Storage	Owen McKenna	08/14/04 13:56	Retrieve from Storage
N74914-15.4.1	Owen McKenna	GCOA	08/14/04 13:56	Load on Instrument
N74914-15.4.1	GCOA	Owen McKenna	08/16/04 16:32	Unload from Instrument
N74914-15.4.1	Owen McKenna	Extract Freezer	08/16/04 16:32	Return to Storage
N74914-15.4.2	Anthony Troy Hankerson	Organics Prep	08/13/04 13:35	Extract from N74914-15.4
N74914-15.4.2	Organics Prep	Bo Li	08/13/04 16:28	Extract from N74914-15.4
N74914-15.4.2	Bo Li	Extract Storage	08/13/04 16:28	Return to Storage
N74914-15.4.2	Extract Storage	Olga Azarihn	08/17/04 15:33	Retrieve from Storage
N74914-15.4.2	Olga Azarihn	GCEF	08/17/04 15:33	Load on Instrument
N74914-15.4.2	GCEF	Olga Azarihn	08/19/04 10:52	Unload from Instrument
N74914-15.4.2	Olga Azarihn	Extract Freezer	08/19/04 10:52	Return to Storage
N74914-15.6	Secured Storage	George Paunovski	08/13/04 13:26	Retrieve from Storage
N74914-15.6	George Paunovski		08/13/04 18:33	Depleted
N74914-15.6.1	George Paunovski	Organics Prep	08/13/04 13:27	Extract from N74914-15.6
N74914-15.6.1	Organics Prep	George Paunovski	08/13/04 23:15	Extract from N74914-15.6
N74914-15.6.1	George Paunovski	Extract Storage	08/13/04 23:15	Return to Storage
N74914-15.7	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-15.7	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-15.7	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-15.7	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-15.7	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-15.7	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-15.7.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-15.7
N74914-15.7.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-15.7
N74914-15.7.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage
N74914-15.7.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-15.7.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-15.7.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-15.7.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-15.7.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-15.7.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-15.7.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-15.7
N74914-15.7.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-15.7
N74914-15.7.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-15.9	Secured Storage	Kevin Coughlin	08/17/04 09:35	Retrieve from Storage
N74914-15.9	Kevin Coughlin	Christine Buccheri	08/17/04 09:38	Custody Transfer
N74914-15.9	Christine Buccheri	Shirley Grzybowski	08/17/04 14:28	Custody Transfer
N74914-15.9	Shirley Grzybowski	Secured Storage	08/17/04 15:17	Return to Storage
N74914-15.9.1	Shirley Grzybowski	GenChem Distillation	08/17/04 15:12	Distillate from N74914-15.9
N74914-15.9.1	GenChem Distillation	Shirley Grzybowski	08/17/04 15:13	Distillate from N74914-15.9
N74914-15.9.1	Shirley Grzybowski	GenChem Prep Storage	08/17/04 15:13	Return to Storage
N74914-15.11	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-15.11	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-15.11	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-15.11	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage
N74914-15F.8	Secured Storage	Kevin Coughlin	08/13/04 16:14	Retrieve from Storage
N74914-15F.8	Kevin Coughlin	Joanna Maciorowska	08/13/04 20:07	Custody Transfer
N74914-15F.8	Joanna Maciorowska	Secured Storage	08/13/04 20:09	Return to Storage
N74914-15F.8	Secured Storage	Kevin Coughlin	08/18/04 08:40	Retrieve from Storage
N74914-15F.8	Kevin Coughlin	Michael Wassef	08/18/04 08:40	Custody Transfer
N74914-15F.8	Michael Wassef	Secured Storage	08/18/04 16:01	Return to Storage
N74914-15F.8.1	Joanna Maciorowska	Metals Digestion	08/13/04 20:08	Digestate from N74914-15F.8
N74914-15F.8.1	Metals Digestion	Jieyu Wang	08/16/04 09:31	Digestate from N74914-15F.8
N74914-15F.8.1	Jieyu Wang	Metals Digestate Storage	08/16/04 09:42	Return to Storage

Accutest Internal Chain of Custody

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Received: 08/12/04

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
N74914-15F.8.1	Metals Digestate Storage	Latha Haran	08/17/04 12:02	Retrieve from Storage
N74914-15F.8.1	Latha Haran	Metals Digestate Storage	08/17/04 17:13	Return to Storage
N74914-15F.8.1	Metals Digestate Storage	Nancy Duan	08/19/04 10:24	Retrieve from Storage
N74914-15F.8.1	Nancy Duan	Metals Digestate Storage	08/19/04 20:42	Return to Storage
N74914-15F.8.1	Metals Digestate Storage	Latha Haran	08/20/04 17:32	Retrieve from Storage
N74914-15F.8.1	Latha Haran	Metals Digestate Storage	08/20/04 17:35	Return to Storage
N74914-15F.8.2	Michael Wassef	Hg Metals Digestion	08/18/04 16:00	Digestate from N74914-15F.8
N74914-15F.8.2	Hg Metals Digestion	Wenying Guo	08/19/04 10:59	Digestate from N74914-15F.8
N74914-15F.8.2	Wenying Guo	Metals Digestate Storage	08/19/04 11:01	Return to Storage
N74914-16.1	Secured Storage	Ying Li	08/13/04 14:58	Retrieve from Storage
N74914-16.1	Ying Li	GCMSD	08/13/04 14:59	Load on Instrument
N74914-16.1	GCMSD	Dong, Mei	08/14/04 15:19	Unload from Instrument
N74914-16.1	Dong, Mei	Secured Storage	08/14/04 15:19	Return to Storage

SDG Narrative
Accutest Laboratories
Job # N74914

Samples for this SDG were received at Accutest Laboratories on 8/12/04 for analysis. Sample field IDs and the corresponding laboratory sample IDs are listed on the sample summary and sample analytical report pages.

(ORGANIC FRACTION)

GC/MS Volatile Fraction: *(SW846 8260B)*

- Instrument Model: HP5973MSD
- Column: DB-624 60m x 0.25mm x 1.4um
- Sample N74914-9 was used as the matrix spikes (MS) and matrix spike duplicates (MSD).

GC/MS Semi-volatile Fraction: *(SW846 8270C)*

- Instrument Model: HP5973MSD
- Column: HP-5MS 30m x 0.25mm x 0.25um
- Sample N74914-9 was used as the matrix spikes (MS) and matrix spike duplicates (MSD).

GC Semi-volatile Fraction: *(SW846 8081)*

- Instrument Model: HP5890/dualECD
- Column: CLPI 30m x 0.25mm x 0.25um/RTXCLPII 30m x 0.32mm x 0.25um
- Sample N74914-9 was used as the matrix spikes (MS) and matrix spike duplicates (MSD).
- In the Blank Spike (from QC batch OP17703) for alpha-Chlordane was reported from 2nd signal due to interference on 1st signal.

GC Semi-volatile Fraction: *(SW846 8082)*

- Instrument Model: HP5890/dualECD
- Column: DB-5 30m x 0.32mm x 0.25um/DB-1701 30m x 0.32mm x 0.25um
- Sample N74914-9 was used as the matrix spikes (MS) and matrix spike duplicates (MSD).

GC Semi-volatile Fraction: *(SW846 8151)*

- Instrument Model: HP5890/dualECD
- Column: RTXCLPII 0.32mm x 0.25um/DB-1 0.32mm
- Sample N74914-9 was used as the matrix spikes (MS) and matrix spike duplicates (MSD).

(INORGANIC FRACTION)

On the metals fraction:

- The samples were analyzed for metals using methods SW846 6010B and 6020. For mercury by using SW846 7470A.
- Samples N74914-1, N74914-9, and N74914-9F were used as the matrix spikes (MS) and duplicates (DUP).
- In the serial dilution (from QC batch MP26783) for seven elements, percent difference were acceptable due to low initial ample concentration (< 50 times IDL). Serial dilution for Potassium indicates possible matrix interference.
- In the serial dilution (from QC batch MP26788) for three elements, percent difference were acceptable due to low initial ample concentration (< 50 times IDL). Serial dilutions for two elements were indicates possible matrix interference.
- In the serial dilution (from QC batch MP26789) for four elements, percent difference were acceptable due to low initial ample concentration (< 50 times IDL). Serial dilutions for two elements were indicates possible matrix interference.

On the general chemistry fraction:

- The sample was analyzed for general chemistry parameters following the methodology in this data package.
- Sample N74914-9 was used as the matrix spikes (MS). Sample N65144-1 was used as the duplicates (DUP).
- For Cyanide (from QC batch GN66935), spike recovery of indicates possible matrix interference.

Qualifiers possibly reported on the target compound list for all fractions:

"ND" indicating compound was analyzed but not detected,
"J" indicating estimated value where the concentration is less than the reporting limit,
"E" indicating estimated value where the concentration exceeds calibration range, and
"B" indicating compound is found in associated method blank as well as in the sample.

Qualifiers possibly reported on the tentatively identified compound list:

"J" indicating estimated value where a 1:1 response is assumed with the internal standard,
"N" indicating presumptive evidence of a compound, and
"A" indicating compound is a suspected aldol-condensation product.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette, has been authorized by the laboratory manager or his designee, as verified by the following signature.

Su Chou
Su Chou
Report Generation Supervisor

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-1 Collected: 11-AUG-04 11:25 By: RW0804-4553-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-1	SW846 8081A	13-AUG-04 18:28	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-1	SW846 6010B	13-AUG-04 21:08	ND	13-AUG-04	MKW	AG,AL,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-1	SW846 8260B	14-AUG-04 01:07	YL			V8260TCL42
N74914-1	SW846 7470A	16-AUG-04 10:30	WG	16-AUG-04	WG	HG
N74914-1	SW846 6020	16-AUG-04 16:14	ND	13-AUG-04	MKW	BEMS
N74914-1	SW846 6020	16-AUG-04 19:26	ND	13-AUG-04	MKW	TLMS
N74914-1	SW846 9012A	17-AUG-04 17:26	JH	17-AUG-04	SJG	CN
N74914-1	SW846 8082	17-AUG-04 19:25	OYA	13-AUG-04	RL	P8082PCBAO
N74914-1	SW846 8270C	18-AUG-04 12:11	NAP	13-AUG-04	RL	AB8270TCL42
N74914-1	SW846 8151	18-AUG-04 12:33	KLS	13-AUG-04	GGP	H8151STD
N74914-1	SW846 6010B	18-AUG-04 19:47	JDM	13-AUG-04	MKW	AS
N74914-2 Collected: 11-AUG-04 15:25 By: RW0804-HESTERFARM			Received: 12-AUG-04 By: MP			
N74914-2	SW846 8081A	13-AUG-04 19:01	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-2	SW846 8260B	13-AUG-04 21:35	YL			V8260TCL42
N74914-2	SW846 6010B	13-AUG-04 21:39	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-2	SW846 7470A	16-AUG-04 10:31	WG	16-AUG-04	WG	HG
N74914-2	SW846 6020	16-AUG-04 16:22	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-2	SW846 9012A	17-AUG-04 17:27	JH	17-AUG-04	SJG	CN
N74914-2	SW846 8082	17-AUG-04 20:02	OYA	13-AUG-04	RL	P8082PCBAO
N74914-2	SW846 8270C	18-AUG-04 12:47	NAP	13-AUG-04	RL	AB8270TCL42
N74914-2	SW846 8151	18-AUG-04 13:07	KLS	13-AUG-04	GGP	H8151STD
N74914-2	SW846 6010B	18-AUG-04 20:03	JDM	13-AUG-04	MKW	AL,AS
N74914-3 Collected: 11-AUG-04 10:40 By: RW0804-4535-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-3	SW846 8081A	13-AUG-04 19:35	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-3	SW846 6010B	13-AUG-04 21:47	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-3	SW846 8260B	13-AUG-04 22:06	YL			V8260TCL42
N74914-3	SW846 7470A	16-AUG-04 10:34	WG	16-AUG-04	WG	HG
N74914-3	SW846 6020	16-AUG-04 17:08	ND	13-AUG-04	MKW	BEMS,TLMS

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Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-3	SW846 9012A	17-AUG-04 17:28	JH	17-AUG-04	SJG	CN
N74914-3	SW846 8082	17-AUG-04 20:39	OYA	13-AUG-04	RL	P8082PCBAO
N74914-3	SW846 8270C	18-AUG-04 13:24	NAP	13-AUG-04	RL	AB8270TCL42
N74914-3	SW846 8151	18-AUG-04 13:40	KLS	13-AUG-04	GGP	H8151STD
N74914-3	SW846 6010B	18-AUG-04 20:11	JDM	13-AUG-04	MKW	AL,AS
N74914-4 Collected: 11-AUG-04 09:25 By: Received: 12-AUG-04 By: MP RW0804-4578-UZZLERD						
N74914-4	SW846 8081A	13-AUG-04 20:08	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-4	SW846 6010B	13-AUG-04 21:54	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-4	SW846 8260B	13-AUG-04 22:36	YL			V8260TCL42
N74914-4	SW846 7470A	16-AUG-04 10:37	WG	16-AUG-04	WG	HG
N74914-4	SW846 6020	16-AUG-04 17:18	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-4	SW846 9012A	17-AUG-04 17:29	JH	17-AUG-04	SJG	CN
N74914-4	SW846 8082	17-AUG-04 21:16	OYA	13-AUG-04	RL	P8082PCBAO
N74914-4	SW846 8270C	18-AUG-04 14:01	NAP	13-AUG-04	RL	AB8270TCL42
N74914-4	SW846 8151	18-AUG-04 14:14	KLS	13-AUG-04	GGP	H8151STD
N74914-4	SW846 6010B	18-AUG-04 20:19	JDM	13-AUG-04	MKW	AL,AS
N74914-5 Collected: 11-AUG-04 16:30 By: Received: 12-AUG-04 By: MP RW0804-627B-ENONRD						
N74914-5	SW846 8081A	13-AUG-04 20:41	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-5	SW846 6010B	13-AUG-04 22:02	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-5	SW846 8260B	13-AUG-04 23:06	YL			V8260TCL42
N74914-5	SW846 7470A	16-AUG-04 10:38	WG	16-AUG-04	WG	HG
N74914-5	SW846 6020	16-AUG-04 17:28	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-5	SW846 9012A	17-AUG-04 17:30	JH	17-AUG-04	SJG	CN
N74914-5	SW846 8082	18-AUG-04 09:58	OYA	13-AUG-04	RL	P8082PCBAO
N74914-5	SW846 8270C	18-AUG-04 14:37	NAP	13-AUG-04	RL	AB8270TCL42
N74914-5	SW846 8151	18-AUG-04 18:38	KLS	13-AUG-04	GGP	H8151STD
N74914-5	SW846 6010B	18-AUG-04 20:27	JDM	13-AUG-04	MKW	AL,AS
N74914-6 Collected: 11-AUG-04 12:45 By: Received: 12-AUG-04 By: MP RW0804-4573-UZZLERD						
N74914-6	SW846 8081A	13-AUG-04 21:14	OPM	13-AUG-04	RL	P8081PESTTCL

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Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-6	SW846 6010B	13-AUG-04 22:10	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-6	SW846 8260B	13-AUG-04 23:37	YL			V8260TCL42
N74914-6	SW846 7470A	16-AUG-04 10:42	WG	16-AUG-04	WG	HG
N74914-6	SW846 6020	16-AUG-04 17:38	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-6	SW846 9012A	17-AUG-04 17:31	JH	17-AUG-04	SJG	CN
N74914-6	SW846 8082	18-AUG-04 01:35	OYA	13-AUG-04	RL	P8082PCBAO
N74914-6	SW846 8270C	18-AUG-04 15:13	NAP	13-AUG-04	RL	AB8270TCL42
N74914-6	SW846 8151	18-AUG-04 19:12	KLS	13-AUG-04	GGP	H8151STD
N74914-6	SW846 6010B	18-AUG-04 20:35	JDM	13-AUG-04	MKW	AL,AS
N74914-7 Collected: 11-AUG-04 09:25 By: Received: 12-AUG-04 By: MP RW0804-FIELDDUP2						
N74914-7	SW846 8081A	13-AUG-04 21:48	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-7	SW846 6010B	13-AUG-04 22:17	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-7	SW846 8260B	14-AUG-04 00:07	YL			V8260TCL42
N74914-7	SW846 7470A	16-AUG-04 10:43	WG	16-AUG-04	WG	HG
N74914-7	SW846 6020	16-AUG-04 17:48	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-7	SW846 9012A	17-AUG-04 17:38	JH	17-AUG-04	SJG	CN
N74914-7	SW846 8082	18-AUG-04 10:46	OYA	13-AUG-04	RL	P8082PCBAO
N74914-7	SW846 8270C	18-AUG-04 15:50	NAP	13-AUG-04	RL	AB8270TCL42
N74914-7	SW846 8151	18-AUG-04 19:45	KLS	13-AUG-04	GGP	H8151STD
N74914-7	SW846 6010B	18-AUG-04 20:43	JDM	13-AUG-04	MKW	AL,AS
N74914-8 Collected: 11-AUG-04 16:30 By: Received: 12-AUG-04 By: MP TB						
N74914-8	SW846 8260B	14-AUG-04 00:37	YL			V8260TCL42
N74914-9 Collected: 12-AUG-04 11:55 By: Received: 13-AUG-04 By: MP RW0804-6305-ISHAMCHAMBERS						
N74914-9	SW846 8260B	13-AUG-04 19:03	YL			V8260TCL42
N74914-9	SW846 8081A	14-AUG-04 18:14	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-9	SW846 6020	17-AUG-04 15:07	ND	16-AUG-04	JM	BEMS,TLMS
N74914-9	SW846 9012A	17-AUG-04 17:25	JH	17-AUG-04	SJG	CN
N74914-9	SW846 8082	17-AUG-04 18:48	OYA	13-AUG-04	RL	P8082PCBAO

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Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-9	SW846 6010B	17-AUG-04 20:14	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-9	SW846 8270C	18-AUG-04 16:26	NAP	13-AUG-04	RL	AB8270TCL42
N74914-9	SW846 8151	18-AUG-04 20:19	KLS	13-AUG-04	GGP	H8151STD
N74914-9	SW846 6010B	18-AUG-04 20:35	LH	13-AUG-04	JM	AL
N74914-9	SW846 7470A	19-AUG-04 10:02	MKW	18-AUG-04	MKW	HG
N74914-10 Collected: 12-AUG-04 08:15 By: Received: 13-AUG-04 By: MP RW0804-4710-MORIAHRD						
N74914-10	SW846 8260B	14-AUG-04 01:37	YL			V8260TCL42
N74914-10	SW846 8081A	14-AUG-04 18:47	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-10	SW846 6020	17-AUG-04 16:15	ND	16-AUG-04	JM	BEMS,TLMS
N74914-10	SW846 9012A	17-AUG-04 17:39	JH	17-AUG-04	SJG	CN
N74914-10	SW846 6010B	17-AUG-04 20:30	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SE,V,ZN
N74914-10	SW846 8082	18-AUG-04 02:49	OYA	13-AUG-04	RL	P8082PCBAO
N74914-10	SW846 8270C	18-AUG-04 17:03	NAP	13-AUG-04	RL	AB8270TCL42
N74914-10	SW846 6010B	18-AUG-04 19:19	LH	13-AUG-04	JM	AL,SB
N74914-10	SW846 8151	18-AUG-04 20:53	KLS	13-AUG-04	GGP	H8151STD
N74914-10	SW846 7470A	19-AUG-04 10:06	MKW	18-AUG-04	MKW	HG
N74914-11 Collected: 12-AUG-04 09:25 By: Received: 13-AUG-04 By: MP RW0804-4709-MORIAHRD						
N74914-11	SW846 8260B	14-AUG-04 02:07	YL			V8260TCL42
N74914-11	SW846 8081A	14-AUG-04 19:20	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-11	SW846 6020	17-AUG-04 16:23	ND	16-AUG-04	JM	BEMS,TLMS
N74914-11	SW846 9012A	17-AUG-04 17:40	JH	17-AUG-04	SJG	CN
N74914-11	SW846 6010B	17-AUG-04 20:37	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-11	SW846 8082	18-AUG-04 03:25	OYA	13-AUG-04	RL	P8082PCBAO
N74914-11	SW846 8270C	18-AUG-04 17:39	NAP	13-AUG-04	RL	AB8270TCL42
N74914-11	SW846 6010B	18-AUG-04 19:27	LH	13-AUG-04	JM	AL
N74914-11	SW846 8151	18-AUG-04 21:27	KLS	13-AUG-04	GGP	H8151STD
N74914-11	SW846 7470A	19-AUG-04 10:07	MKW	18-AUG-04	MKW	HG
N74914-12 Collected: 12-AUG-04 10:10 By: Received: 13-AUG-04 By: MP RW0804-5057-CLAYTONRD						

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-12	SW846 8260B	14-AUG-04 02:38	YL			V8260TCL42
N74914-12	SW846 8081A	14-AUG-04 19:53	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-12	SW846 6020	17-AUG-04 16:32	ND	16-AUG-04	JM	BEMS,TLMS
N74914-12	SW846 9012A	17-AUG-04 17:41	JH	17-AUG-04	SJG	CN
N74914-12	SW846 6010B	17-AUG-04 20:45	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SE,V,ZN
N74914-12	SW846 8082	18-AUG-04 04:02	OYA	13-AUG-04	RL	P8082PCBAO
N74914-12	SW846 8270C	18-AUG-04 18:16	NAP	13-AUG-04	RL	AB8270TCL42
N74914-12	SW846 6010B	18-AUG-04 19:34	LH	13-AUG-04	JM	AL,SB
N74914-12	SW846 8151	18-AUG-04 22:00	KLS	13-AUG-04	GGP	H8151STD
N74914-12	SW846 7470A	19-AUG-04 10:09	MKW	18-AUG-04	MKW	HG
N74914-13 Collected: 12-AUG-04 13:00 By: Received: 13-AUG-04 By: MP RW0804-2202-TILLEYFARMRD						
N74914-13	SW846 8260B	14-AUG-04 03:08	YL			V8260TCL42
N74914-13	SW846 8081A	14-AUG-04 20:26	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-13	SW846 6020	17-AUG-04 16:40	ND	16-AUG-04	JM	BEMS,TLMS
N74914-13	SW846 9012A	17-AUG-04 17:42	JH	17-AUG-04	SJG	CN
N74914-13	SW846 6010B	17-AUG-04 20:53	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-13	SW846 8082	18-AUG-04 04:39	OYA	13-AUG-04	RL	P8082PCBAO
N74914-13	SW846 8270C	18-AUG-04 18:52	NAP	13-AUG-04	RL	AB8270TCL42
N74914-13	SW846 6010B	18-AUG-04 19:42	LH	13-AUG-04	JM	AL
N74914-13	SW846 8151	18-AUG-04 22:34	KLS	13-AUG-04	GGP	H8151STD
N74914-13	SW846 7470A	19-AUG-04 10:10	MKW	18-AUG-04	MKW	HG
N74914-14 Collected: 12-AUG-04 10:50 By: Received: 13-AUG-04 By: MP RW0804-564-BETHANYCHURCH						
N74914-14	SW846 8260B	14-AUG-04 03:38	YL			V8260TCL42
N74914-14	SW846 8081A	14-AUG-04 21:00	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-14	SW846 6020	17-AUG-04 17:06	ND	16-AUG-04	JM	BEMS,TLMS
N74914-14	SW846 9012A	17-AUG-04 17:43	JH	17-AUG-04	SJG	CN
N74914-14	SW846 6010B	17-AUG-04 21:00	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-14	SW846 8082	18-AUG-04 05:16	OYA	13-AUG-04	RL	P8082PCBAO
N74914-14	SW846 8270C	18-AUG-04 19:28	NAP	13-AUG-04	RL	AB8270TCL42
N74914-14	SW846 6010B	18-AUG-04 19:49	LH	13-AUG-04	JM	AL
N74914-14	SW846 8151	18-AUG-04 23:08	KLS	13-AUG-04	GGP	H8151STD

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-14	SW846 7470A	19-AUG-04 10:16	MKW	18-AUG-04	MKW	HG
N74914-15 Collected: 12-AUG-04 13:00 By: RW0804-FIELDDUP3			Received: 13-AUG-04 By: MP			
N74914-15	SW846 8260B	14-AUG-04 04:08	YL			V8260TCL42
N74914-15	SW846 8081A	14-AUG-04 21:33	OPM	13-AUG-04	RL	P8081PESTTCL
N74914-15	SW846 6020	17-AUG-04 17:14	ND	16-AUG-04	JM	BEMS,TLMS
N74914-15	SW846 9012A	17-AUG-04 17:44	JH	17-AUG-04	SJG	CN
N74914-15	SW846 6010B	17-AUG-04 21:08	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SE,V,ZN
N74914-15	SW846 8082	18-AUG-04 05:53	OYA	13-AUG-04	RL	P8082PCBAO
N74914-15	SW846 8270C	18-AUG-04 20:05	NAP	13-AUG-04	RL	AB8270TCL42
N74914-15	SW846 6010B	18-AUG-04 20:12	LH	13-AUG-04	JM	AL,SB
N74914-15	SW846 8151	18-AUG-04 23:42	KLS	13-AUG-04	GGP	H8151STD
N74914-15	SW846 7470A	19-AUG-04 10:17	MKW	18-AUG-04	MKW	HG
N74914-16 Collected: 12-AUG-04 13:00 By: TRIP BLANK			Received: 13-AUG-04 By: MP			
N74914-16	SW846 8260B	13-AUG-04 18:33	YL			V8260TCL42
N74914-1F Collected: 11-AUG-04 11:25 By: RW0804-4553-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-1F	SW846 6010B	13-AUG-04 22:25	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SE,V,ZN
N74914-1F	SW846 7470A	16-AUG-04 10:45	WG	16-AUG-04	WG	HG
N74914-1F	SW846 6020	16-AUG-04 17:58	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-1F	SW846 6010B	18-AUG-04 21:07	JDM	13-AUG-04	MKW	AL,AS,SB
N74914-2F Collected: 11-AUG-04 15:25 By: RW0804-HESTERFARM			Received: 12-AUG-04 By: MP			
N74914-2F	SW846 6010B	13-AUG-04 22:33	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-2F	SW846 7470A	16-AUG-04 10:46	WG	16-AUG-04	WG	HG
N74914-2F	SW846 6020	16-AUG-04 18:07	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-2F	SW846 6010B	18-AUG-04 21:15	JDM	13-AUG-04	MKW	AL,AS

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ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-3F Collected: 11-AUG-04 10:40 By: RW0804-4535-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-3F	SW846 6010B	13-AUG-04 22:40	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-3F	SW846 7470A	16-AUG-04 10:47	WG	16-AUG-04	WG	HG
N74914-3F	SW846 6020	16-AUG-04 18:37	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-3F	SW846 6010B	18-AUG-04 21:22	JDM	13-AUG-04	MKW	AL,AS
N74914-4F Collected: 11-AUG-04 09:25 By: RW0804-4578-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-4F	SW846 6010B	13-AUG-04 23:04	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SE,V,ZN
N74914-4F	SW846 7470A	16-AUG-04 10:50	WG	16-AUG-04	WG	HG
N74914-4F	SW846 6020	16-AUG-04 18:47	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-4F	SW846 6010B	18-AUG-04 21:30	JDM	13-AUG-04	MKW	AL,AS,SB
N74914-5F Collected: 11-AUG-04 16:30 By: RW0804-627B-ENONRD			Received: 12-AUG-04 By: MP			
N74914-5F	SW846 6010B	13-AUG-04 23:11	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-5F	SW846 7470A	16-AUG-04 10:51	WG	16-AUG-04	WG	HG
N74914-5F	SW846 6020	16-AUG-04 18:56	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-5F	SW846 6010B	18-AUG-04 21:38	JDM	13-AUG-04	MKW	AL,AS
N74914-6F Collected: 11-AUG-04 12:45 By: RW0804-4573-UZZLERD			Received: 12-AUG-04 By: MP			
N74914-6F	SW846 6010B	13-AUG-04 23:19	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-6F	SW846 7470A	16-AUG-04 10:53	WG	16-AUG-04	WG	HG
N74914-6F	SW846 6020	16-AUG-04 19:06	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-6F	SW846 6010B	18-AUG-04 21:46	JDM	13-AUG-04	MKW	AL,AS
N74914-7F Collected: 11-AUG-04 09:25 By: RW0804-FIELDDUP2			Received: 12-AUG-04 By: MP			

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ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-7F	SW846 6010B	13-AUG-04 23:27	ND	13-AUG-04	MKW	AG,BA,CA,CD,CO,CR,CU,FE,K, MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-7F	SW846 7470A	16-AUG-04 10:55	WG	16-AUG-04	WG	HG
N74914-7F	SW846 6020	16-AUG-04 19:16	ND	13-AUG-04	MKW	BEMS,TLMS
N74914-7F	SW846 6010B	18-AUG-04 21:54	JDM	13-AUG-04	MKW	AL,AS
N74914-9F Collected: 12-AUG-04 11:55 By: RW0804-6305-ISHAMCHAMBERS			Received: 13-AUG-04 By: MP			
N74914-9F	SW846 6020	17-AUG-04 16:07	ND	16-AUG-04	JM	BEMS,TLMS
N74914-9F	SW846 6010B	17-AUG-04 22:12	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-9F	SW846 6010B	18-AUG-04 18:03	LH	13-AUG-04	JM	AL
N74914-9F	SW846 7470A	19-AUG-04 10:38	MKW	18-AUG-04	MKW	HG
N74914-10FCollected: 12-AUG-04 08:15 By: RW0804-4710-MORIAHRD			Received: 13-AUG-04 By: MP			
N74914-10F	SW846 6020	17-AUG-04 17:23	ND	16-AUG-04	JM	BEMS,TLMS
N74914-10F	SW846 6010B	17-AUG-04 22:27	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-10F	SW846 6010B	18-AUG-04 18:18	LH	13-AUG-04	JM	AL
N74914-10F	SW846 7470A	19-AUG-04 10:18	MKW	18-AUG-04	MKW	HG
N74914-11FCollected: 12-AUG-04 09:25 By: RW0804-4709-MORIAHRD			Received: 13-AUG-04 By: MP			
N74914-11F	SW846 6020	17-AUG-04 17:32	ND	16-AUG-04	JM	BEMS,TLMS
N74914-11F	SW846 6010B	17-AUG-04 22:35	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-11F	SW846 6010B	18-AUG-04 18:26	LH	13-AUG-04	JM	AL
N74914-11F	SW846 7470A	19-AUG-04 10:21	MKW	18-AUG-04	MKW	HG
N74914-12FCollected: 12-AUG-04 10:10 By: RW0804-5057-CLAYTONRD			Received: 13-AUG-04 By: MP			
N74914-12F	SW846 6020	17-AUG-04 17:40	ND	16-AUG-04	JM	BEMS,TLMS
N74914-12F	SW846 6010B	17-AUG-04 22:43	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE, K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-12F	SW846 6010B	18-AUG-04 18:34	LH	13-AUG-04	JM	AL

Internal Sample Tracking Chronicle

ENSR Consulting & Engineering

Job No: N74914

Former Camp Butner, NC
Project No: 09090-068

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
N74914-12F	SW846 7470A	19-AUG-04 10:20	MKW	18-AUG-04	MKW	HG
N74914-13F Collected: 12-AUG-04 13:00 By: RW0804-2202-TILLEYFARMRD			Received: 13-AUG-04 By: MP			
N74914-13F	SW846 6020	17-AUG-04 17:49	ND	16-AUG-04	JM	BEMS,TLMS
N74914-13F	SW846 6010B	17-AUG-04 22:50	ND	13-AUG-04	JM	AG,AS,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-13F	SW846 6010B	18-AUG-04 18:56	LH	13-AUG-04	JM	AL
N74914-13F	SW846 7470A	19-AUG-04 10:23	MKW	18-AUG-04	MKW	HG
N74914-14F Collected: 12-AUG-04 10:50 By: RW0804-564-BETHANYCHURCH			Received: 13-AUG-04 By: MP			
N74914-14F	SW846 6020	17-AUG-04 17:58	ND	16-AUG-04	JM	BEMS,TLMS
N74914-14F	SW846 6010B	18-AUG-04 00:36	ND	13-AUG-04	JM	AG,AL,AS,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SE,V,ZN
N74914-14F	SW846 6010B	18-AUG-04 20:50	LH	13-AUG-04	JM	SB
N74914-14F	SW846 7470A	19-AUG-04 10:24	MKW	18-AUG-04	MKW	HG
N74914-15F Collected: 12-AUG-04 13:00 By: RW0804-FIELDDUP3			Received: 13-AUG-04 By: MP			
N74914-15F	SW846 6020	17-AUG-04 18:06	ND	16-AUG-04	JM	BEMS,TLMS
N74914-15F	SW846 6010B	18-AUG-04 00:44	ND	13-AUG-04	JM	AG,AL,AS,BA,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,V,ZN
N74914-15F	SW846 7470A	19-AUG-04 10:26	MKW	18-AUG-04	MKW	HG

GC/MS

GC/MS VOLATILE

ACCUTEST

GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Volatile

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Meet Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Meet Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓
If the requirement is not met, refer to the Internal Standard Summary for comment.		
10. Extraction Holding Time Met		NA
If the holding time is not met, refer to the Sample Result page for comment.		
11. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		

12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

Additional Comments:

QC Review Signature: [signature] Date: 8/20/04

Form: RG04
Rev. Date: 2/9/00

Volatile Surrogate Recovery Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
N74914-1	D85621.D	102.0	101.0	99.0	102.0
N74914-2	D85614.D	99.0	94.0	97.0	102.0
N74914-3	D85615.D	99.0	95.0	98.0	102.0
N74914-4	D85616.D	101.0	97.0	98.0	102.0
N74914-5	D85617.D	101.0	99.0	98.0	102.0
N74914-6	D85618.D	100.0	99.0	98.0	103.0
N74914-7	D85619.D	101.0	100.0	98.0	101.0
N74914-8	D85620.D	102.0	100.0	98.0	101.0
N74914-9	D85609.D	101.0	100.0	98.0	102.0
N74914-10	D85622.D	103.0	101.0	98.0	102.0
N74914-11	D85623.D	103.0	102.0	99.0	102.0
N74914-12	D85624.D	103.0	102.0	99.0	102.0
N74914-13	D85625.D	104.0	103.0	98.0	102.0
N74914-14	D85626.D	103.0	103.0	99.0	101.0
N74914-15	D85627.D	104.0	104.0	99.0	102.0
N74914-16	D85608.D	102.0	100.0	98.0	102.0
N74914-9MS	D85611.D	99.0	95.0	100.0	101.0
N74914-9MSD	D85612.D	99.0	94.0	99.0	100.0
VD3415-BS	D85610.D	103.0	100.0	101.0	99.0
VD3415-MB1	D85607.D	101.0	98.0	98.0	102.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-119%
S2 = 1,2-Dichloroethane-D4	68-129%
S3 = Toluene-D8	83-118%
S4 = 4-Bromofluorobenzene	82-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N74914-9MS	D85611.D	1	08/13/04	YL	n/a	n/a	VD3415
N74914-9MSD	D85612.D	1	08/13/04	YL	n/a	n/a	VD3415
N74914-9	D85609.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	N74914-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	44.0	88	41.7	83	5	47-163/22
71-43-2	Benzene	ND		50	51.2	102	50.9	102	1	51-138/10
74-97-5	Bromochloromethane	ND		50	50.8	102	51.6	103	2	83-121/10
75-27-4	Bromodichloromethane	ND		50	49.8	100	49.8	100	0	80-128/10
75-25-2	Bromoform	ND		50	43.0	86	42.6	85	1	68-137/10
74-83-9	Bromomethane	ND		50	57.3	115	56.4	113	2	61-141/17
78-93-3	2-Butanone (MEK)	ND		50	50.3	101	51.7	103	3	55-149/22
75-15-0	Carbon disulfide	ND		50	46.7	93	44.9	90	4	59-128/14
56-23-5	Carbon tetrachloride	ND		50	49.1	98	48.5	97	1	71-143/13
108-90-7	Chlorobenzene	ND		50	49.7	99	49.6	99	0	78-120/10
75-00-3	Chloroethane	ND		50	53.6	107	53.6	107	0	67-139/16
67-66-3	Chloroform	ND		50	48.9	98	48.5	97	1	78-126/11
74-87-3	Chloromethane	ND		50	45.5	91	44.9	90	1	57-134/17
110-82-7	Cyclohexane	ND		50	62.4	125	61.5	123	1	54-144/15
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	50.5	101	50.1	100	1	69-135/10
124-48-1	Dibromochloromethane	ND		50	50.9	102	50.8	102	0	79-127/10
106-93-4	1,2-Dibromoethane	ND		50	51.6	103	51.8	104	0	78-124/10
95-50-1	1,2-Dichlorobenzene	ND		50	49.9	100	49.9	100	0	77-117/10
541-73-1	1,3-Dichlorobenzene	ND		50	50.1	100	50.0	100	0	75-120/12
106-46-7	1,4-Dichlorobenzene	ND		50	49.5	99	49.5	99	0	74-117/11
75-71-8	Dichlorodifluoromethane	ND		50	44.8	90	43.7	87	2	54-154/21
75-34-3	1,1-Dichloroethane	ND		50	49.9	100	49.5	99	1	75-125/11
107-06-2	1,2-Dichloroethane	ND		50	47.0	94	46.9	94	0	63-142/12
75-35-4	1,1-Dichloroethene	ND		50	53.1	106	52.5	105	1	69-129/12
156-59-2	cis-1,2-Dichloroethene	ND		50	51.5	103	51.7	103	0	73-127/10
156-60-5	trans-1,2-Dichloroethene	ND		50	52.5	105	52.3	105	0	71-123/11
78-87-5	1,2-Dichloropropane	ND		50	50.7	101	50.6	101	0	81-120/10
10061-01-5	cis-1,3-Dichloropropene	ND		50	50.4	101	50.4	101	0	78-121/10
10061-02-6	trans-1,3-Dichloropropene	ND		50	50.1	100	49.6	99	1	77-128/11
100-41-4	Ethylbenzene	ND		50	51.7	103	51.2	102	1	51-142/11
76-13-1	Freon 113	ND		50	51.3	103	50.4	101	2	73-134/19
591-78-6	2-Hexanone	ND		50	52.0	104	52.6	105	1	64-145/13
98-82-8	Isopropylbenzene	ND		50	53.0	106	52.7	105	1	65-131/10
79-20-9	Methyl Acetate	ND		50	44.3	89	43.8	88	1	50-153/15
108-87-2	Methylcyclohexane	ND		50	53.9	108	53.6	107	1	63-142/16
1634-04-4	Methyl Tert Butyl Ether	ND		50	43.8	88	43.1	86	2	38-150/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
N74914-9MS	D85611.D	1	08/13/04	YL	n/a	n/a	VD3415
N74914-9MSD	D85612.D	1	08/13/04	YL	n/a	n/a	VD3415
N74914-9	D85609.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	N74914-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	51.6	103	52.0	104	1	66-140/12
75-09-2	Methylene chloride	ND		50	49.7	99	49.9	100	0	73-126/10
100-42-5	Styrene	ND		50	51.9	104	51.9	104	0	79-130/10
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	51.0	102	51.3	103	1	74-121/10
127-18-4	Tetrachloroethene	ND		50	49.6	99	49.5	99	0	70-128/12
108-88-3	Toluene	ND		50	50.3	101	50.1	100	0	49-147/10
87-61-6	1,2,3-Trichlorobenzene	ND		50	49.5	99	49.5	99	0	69-131/11
120-82-1	1,2,4-Trichlorobenzene	ND		50	51.8	104	51.0	102	2	74-127/10
71-55-6	1,1,1-Trichloroethane	ND		50	48.3	97	48.0	96	1	74-136/13
79-00-5	1,1,2-Trichloroethane	ND		50	50.0	100	50.0	100	0	83-121/10
79-01-6	Trichloroethene	ND		50	50.2	100	49.7	99	1	75-128/10
75-69-4	Trichlorofluoromethane	ND		50	46.5	93	45.7	91	2	66-158/17
75-01-4	Vinyl chloride	ND		50	47.1	94	46.7	93	1	60-141/16
	m,p-Xylene	ND		100	104	104	104	104	0	37-150/10
95-47-6	o-Xylene	ND		50	53.0	106	52.5	105	1	53-142/10
1330-20-7	Xylene (total)	ND		150	157	105	157	105	0	44-146/11

CAS No.	Surrogate Recoveries	MS	MSD	N74914-9	Limits
1868-53-7	Dibromofluoromethane	99%	99%	101%	79-119%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	100%	68-129%
2037-26-5	Toluene-D8	100%	99%	98%	83-118%
460-00-4	4-Bromofluorobenzene	101%	100%	102%	82-120%

Blank Spike Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD3415-BS	D85610.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	39.8	80	53-153
71-43-2	Benzene	50	48.3	97	77-119
74-97-5	Bromochloromethane	50	49.0	98	82-120
75-27-4	Bromodichloromethane	50	48.5	97	82-126
75-25-2	Bromoform	50	43.4	87	73-135
74-83-9	Bromomethane	50	55.4	111	61-138
78-93-3	2-Butanone (MEK)	50	47.5	95	58-142
75-15-0	Carbon disulfide	50	48.2	96	60-130
56-23-5	Carbon tetrachloride	50	47.0	94	72-140
108-90-7	Chlorobenzene	50	46.6	93	81-117
75-00-3	Chloroethane	50	52.9	106	69-135
67-66-3	Chloroform	50	48.0	96	80-122
74-87-3	Chloromethane	50	41.8	84	59-132
110-82-7	Cyclohexane	50	54.6	109	61-126
96-12-8	1,2-Dibromo-3-chloropropane	50	47.8	96	71-129
124-48-1	Dibromochloromethane	50	49.6	99	80-125
106-93-4	1,2-Dibromoethane	50	48.7	97	79-121
95-50-1	1,2-Dichlorobenzene	50	47.1	94	79-115
541-73-1	1,3-Dichlorobenzene	50	46.8	94	77-116
106-46-7	1,4-Dichlorobenzene	50	46.4	93	77-115
75-71-8	Dichlorodifluoromethane	50	40.8	82	51-159
75-34-3	1,1-Dichloroethane	50	48.4	97	78-121
107-06-2	1,2-Dichloroethane	50	46.2	92	66-137
75-35-4	1,1-Dichloroethene	50	49.6	99	73-124
156-59-2	cis-1,2-Dichloroethene	50	49.1	98	76-120
156-60-5	trans-1,2-Dichloroethene	50	50.4	101	73-119
78-87-5	1,2-Dichloropropane	50	48.4	97	82-117
10061-01-5	cis-1,3-Dichloropropene	50	48.7	97	81-120
10061-02-6	trans-1,3-Dichloropropene	50	48.6	97	81-125
100-41-4	Ethylbenzene	50	48.5	97	79-120
76-13-1	Freon 113	50	48.2	96	77-131
591-78-6	2-Hexanone	50	50.2	100	66-140
98-82-8	Isopropylbenzene	50	48.7	97	77-125
79-20-9	Methyl Acetate	50	47.3	95	53-155
108-87-2	Methylcyclohexane	50	51.1	102	73-128
1634-04-4	Methyl Tert Butyl Ether	50	41.1	82	75-123

Blank Spike Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD3415-BS	D85610.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	50.3	101	70-134
75-09-2	Methylene chloride	50	48.4	97	75-122
100-42-5	Styrene	50	52.1	104	80-125
79-34-5	1,1,2,2-Tetrachloroethane	50	47.3	95	76-117
127-18-4	Tetrachloroethene	50	46.1	92	69-130
108-88-3	Toluene	50	47.7	95	81-120
87-61-6	1,2,3-Trichlorobenzene	50	46.1	92	70-126
120-82-1	1,2,4-Trichlorobenzene	50	49.0	98	75-124
71-55-6	1,1,1-Trichloroethane	50	46.7	93	77-132
79-00-5	1,1,2-Trichloroethane	50	47.7	95	85-117
79-01-6	Trichloroethene	50	47.4	95	83-119
75-69-4	Trichlorofluoromethane	50	44.1	88	72-155
75-01-4	Vinyl chloride	50	42.9	86	65-135
	m,p-Xylene	100	98.4	98	80-120
95-47-6	o-Xylene	50	50.3	101	80-120
1330-20-7	Xylene (total)	150	149	99	81-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	79-119%
17060-07-0	1,2-Dichloroethane-D4	100%	68-129%
2037-26-5	Toluene-D8	101%	83-118%
460-00-4	4-Bromofluorobenzene	99%	82-120%

Method Blank Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD3415-MB1	D85607.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	

Method Blank Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD3415-MB1	D85607.D	1	08/13/04	YL	n/a	n/a	VD3415

The QC reported here applies to the following samples: **Method:** SW846 8260B

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-8, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-16

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	79-119%
17060-07-0	1,2-Dichloroethane-D4	98%	68-129%
2037-26-5	Toluene-D8	98%	83-118%
460-00-4	4-Bromofluorobenzene	102%	82-120%

Instrument Performance Check (BFB)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: VD3408-BFB
Lab File ID: D85420.D
Instrument ID: GCMSD
Injection Date: 08/09/04
Injection Time: 18:27

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	52989	18.5		Pass
75	30.0 - 60.0% of mass 95	139240	48.6		Pass
95	Base peak, 100% relative abundance	286293	100.0		Pass
96	5.0 - 9.0% of mass 95	20061	7.0		Pass
173	Less than 2.0% of mass 174	478	0.17	(0.2) [a]	Pass
174	50.0 - 150.0% of mass 95	242581	84.7		Pass
175	5.0 - 9.0% of mass 174	17626	6.2	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	235883	82.4	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	15962	5.6	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD3408-IC3408	D85421.D	08/09/04	19:43	01:16	Initial cal 1
VD3408-IC3408	D85422.D	08/09/04	20:13	01:46	Initial cal 2
VD3408-IC3408	D85423.D	08/09/04	20:44	02:17	Initial cal 5
VD3408-IC3408	D85424.D	08/09/04	21:14	02:47	Initial cal 20
VD3408-ICC3408	D85425.D	08/09/04	21:44	03:17	Initial cal 50
VD3408-IC3408	D85426.D	08/09/04	22:14	03:47	Initial cal 200
VD3408-IC3408	D85427.D	08/09/04	22:44	04:17	Initial cal 100
VD3408-MB1	D85430.D	08/10/04	00:14	05:47	Method Blank
VD3408-BS	D85431.D	08/10/04	00:44	06:17	Blank Spike
N74212-1MS	D85432.D	08/10/04	01:14	06:47	Matrix Spike
N74212-1MSD	D85433.D	08/10/04	01:44	07:17	Matrix Spike Duplicate
N74212-1	D85434.D	08/10/04	02:14	07:47	(used for QC only; not part of job N74914)
ZZZZZZ	D85435.D	08/10/04	02:44	08:17	(unrelated sample)
ZZZZZZ	D85436.D	08/10/04	03:14	08:47	(unrelated sample)
ZZZZZZ	D85437.D	08/10/04	03:44	09:17	(unrelated sample)
ZZZZZZ	D85439.D	08/10/04	04:44	10:17	(unrelated sample)
ZZZZZZ	D85441.D	08/10/04	05:44	11:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: VD3415-BFB
Lab File ID: D85605.D
Instrument ID: GCMSD
Injection Date: 08/13/04
Injection Time: 16:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	49723	17.8	Pass
75	30.0 - 60.0% of mass 95	130541	46.8	Pass
95	Base peak, 100% relative abundance	279083	100.0	Pass
96	5.0 - 9.0% of mass 95	19211	6.9	Pass
173	Less than 2.0% of mass 174	1119	0.4 (0.46) [a]	Pass
174	50.0 - 150.0% of mass 95	241024	86.4	Pass
175	5.0 - 9.0% of mass 174	17382	6.2 (7.2) [a]	Pass
176	95.0 - 101.0% of mass 174	235413	84.4 (97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	15722	5.6 (6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD3415-CC3408	D85606.D	08/13/04	17:29	01:05	Continuing cal 20
VD3415-MB1	D85607.D	08/13/04	18:03	01:39	Method Blank
N74914-16	D85608.D	08/13/04	18:33	02:09	TRIP BLANK
N74914-9	D85609.D	08/13/04	19:03	02:39	RW0804-6305-ISHAMCHAMBERS
VD3415-BS	D85610.D	08/13/04	19:34	03:10	Blank Spike
N74914-9MS	D85611.D	08/13/04	20:04	03:40	Matrix Spike
N74914-9MSD	D85612.D	08/13/04	20:35	04:11	Matrix Spike Duplicate
N74914-2	D85614.D	08/13/04	21:35	05:11	RW0804-HESTERFARM
N74914-3	D85615.D	08/13/04	22:06	05:42	RW0804-4535-UZZLERD
N74914-4	D85616.D	08/13/04	22:36	06:12	RW0804-4578-UZZLERD
N74914-5	D85617.D	08/13/04	23:06	06:42	RW0804-627B-ENONRD
N74914-6	D85618.D	08/13/04	23:37	07:13	RW0804-4573-UZZLERD
N74914-7	D85619.D	08/14/04	00:07	07:43	RW0804-FIELDDUP2
N74914-8	D85620.D	08/14/04	00:37	08:13	TB
N74914-1	D85621.D	08/14/04	01:07	08:43	RW0804-4553-UZZLERD
N74914-10	D85622.D	08/14/04	01:37	09:13	RW0804-4710-MORIAHRD
N74914-11	D85623.D	08/14/04	02:07	09:43	RW0804-4709-MORIAHRD
N74914-12	D85624.D	08/14/04	02:38	10:14	RW0804-5057-CLAYTONRD
N74914-13	D85625.D	08/14/04	03:08	10:44	RW0804-2202-TILLEYFARMRD
N74914-14	D85626.D	08/14/04	03:38	11:14	RW0804-564-BETHANYCHURCH
N74914-15	D85627.D	08/14/04	04:08	11:44	RW0804-FIELDDUP3

Volatile Internal Standard Area Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Check Std:	VD3415-CC3408	**Injection Date:**	08/13/04
Lab File ID:	D85606.D	**Injection Time:**	17:29
Instrument ID:	GCMSD	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	174207	7.81	400169	10.08	587839	10.99	550086	14.33	329290	16.92
Upper Limit [a]	348414	8.31	800338	10.58	1175678	11.49	1100172	14.83	658580	17.42
Lower Limit [b]	87104	7.31	200085	9.58	293920	10.49	275043	13.83	164645	16.42

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VD3415-MB1	168960	7.82	406628	10.09	592324	11.00	541297	14.34	316299	16.91
N74914-16	155344	7.82	399498	10.09	586077	11.00	539275	14.33	313267	16.91
N74914-9	157629	7.82	398380	10.09	581905	11.00	536771	14.34	313084	16.91
VD3415-BS	160665	7.82	397746	10.09	584300	11.00	556264	14.33	341157	16.91
N74914-9MS	178646	7.82	448758	10.09	653935	11.00	610265	14.33	363870	16.91
N74914-9MSD	184020	7.82	457956	10.09	668762	11.00	623889	14.34	371794	16.91
N74914-2	181918	7.82	451033	10.09	658505	11.00	601999	14.33	352880	16.91
N74914-3	190326	7.82	436865	10.09	634665	11.00	581799	14.34	341046	16.91
N74914-4	168620	7.82	419250	10.09	613863	11.00	565942	14.33	330163	16.91
N74914-5	171760	7.81	409450	10.09	598020	11.00	553358	14.34	324264	16.91
N74914-6	167684	7.82	415975	10.09	604975	11.00	558806	14.33	324573	16.92
N74914-7	168667	7.82	405033	10.09	594052	11.00	548433	14.33	321551	16.91
N74914-8	165170	7.82	397821	10.09	585047	11.00	538854	14.33	316178	16.91
N74914-1	166657	7.82	403278	10.09	592239	11.00	546093	14.34	318754	16.91
N74914-10	162680	7.82	394570	10.09	579596	11.00	536173	14.34	315965	16.91
N74914-11	164485	7.82	397930	10.09	586582	11.00	539506	14.33	316270	16.91
N74914-12	161065	7.82	391693	10.09	576081	11.00	534749	14.33	312091	16.91
N74914-13	148834	7.81	387618	10.09	570180	11.00	527476	14.34	311237	16.91
N74914-14	152977	7.82	390304	10.09	576133	11.00	534218	14.33	314115	16.91
N74914-15	155809	7.82	389300	10.09	575934	11.00	532059	14.34	313430	16.91

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

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Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85621.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	101%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85621.D
Acq On : 14 Aug 2004 1:07 am
Sample : N74914-1
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	166657	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	403278	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	592239	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	546093	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	318754	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	176656	50.98 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.96%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	203933	50.29 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 100.58%		
65) toluene-d8 (s)	12.71	98	690696	49.33 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.66%		
88) 4-bromofluorobenzene (s)	15.61	95	268293	51.14 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.28%		

Target Compounds

YC
8/16/04

Qvalue

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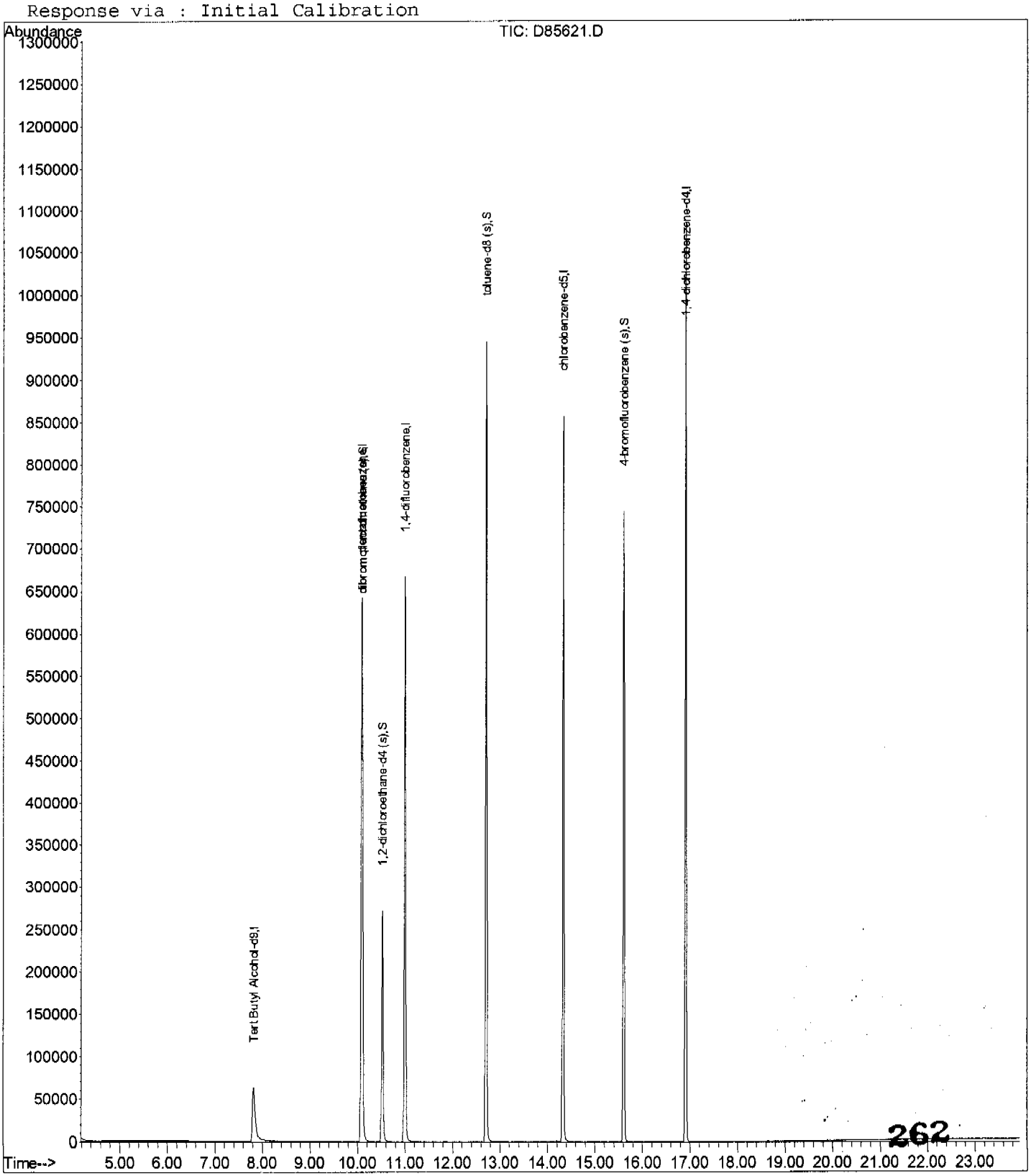
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85621.D
Acq On : 14 Aug 2004 1:07 am
Sample : N74914-1
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85614.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	94%		68-129%
2037-26-5	Toluene-D8	97%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85614.D
Acq On : 13 Aug 2004 9:35 pm
Sample : N74914-2
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:16 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	181918	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	451033	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	658505	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	601999	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	352880	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	190921	49.26 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 98.52%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	213422	47.06 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 94.12%		
65) toluene-d8 (s)	12.71	98	758457	48.72 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 97.44%		
88) 4-bromofluorobenzene (s)	15.61	95	296081	50.98 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.96%		

Target Compounds Qvalue

K
8/16/04

265

(#) = qualifier out of range (m) = manual integration

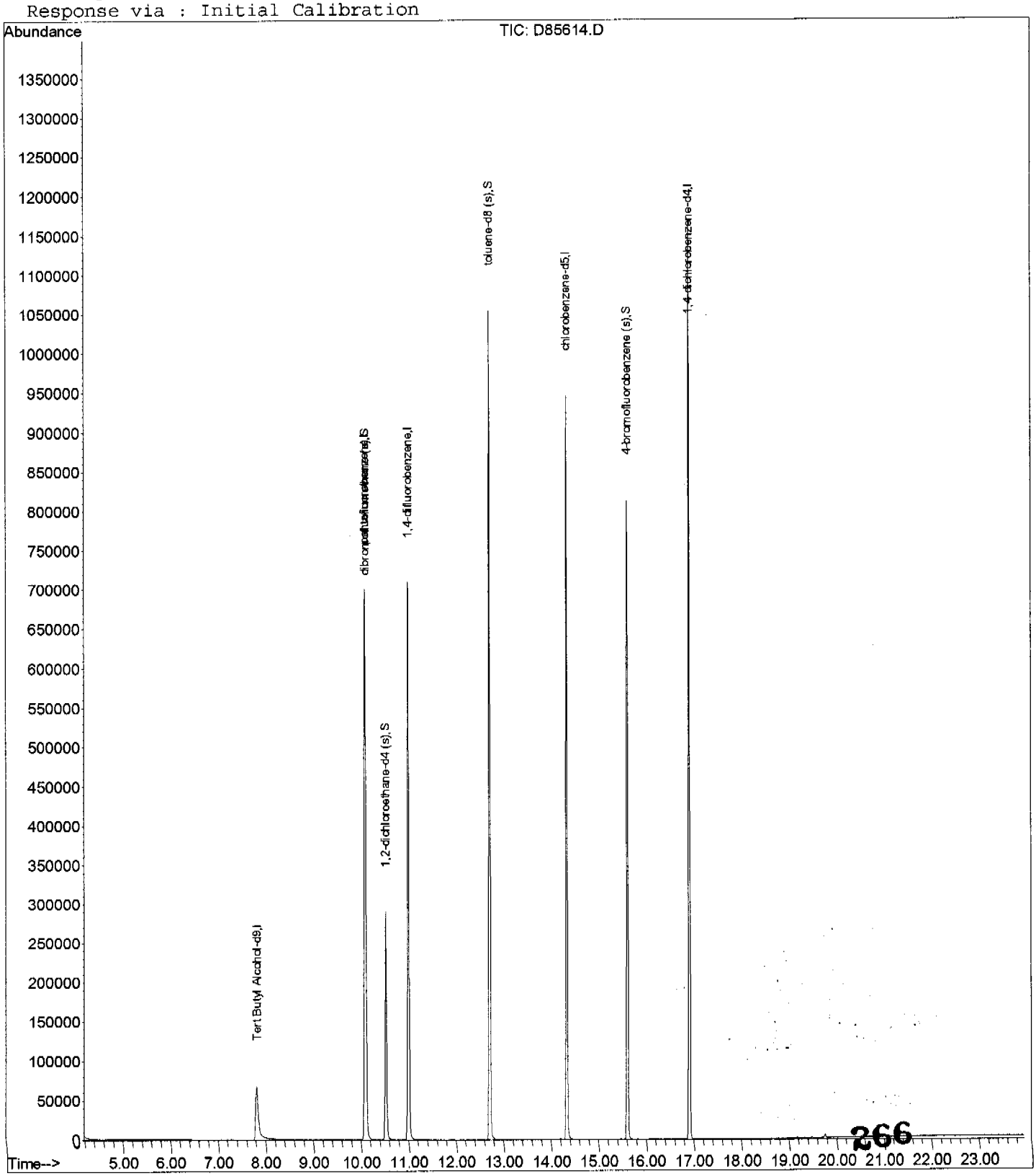
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85614.D
Acq On : 13 Aug 2004 9:35 pm
Sample : N74914-2
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:16 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



266

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85615.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated 367
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-119%
17060-07-0	1,2-Dichloroethane-D4	95%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85615.D
Acq On : 13 Aug 2004 10:06 pm
Sample : N74914-3
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:17 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	190326	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	436865	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	634665	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	581799	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	341046	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	186151	49.59 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.18%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	209643	47.73 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 95.46%		
65) toluene-d8 (s)	12.71	98	733425	48.88 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 97.76%		
88) 4-bromofluorobenzene (s)	15.61	95	284935	50.77 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.54%		

Target Compounds Qvalue

H
8/16/04

C. 269

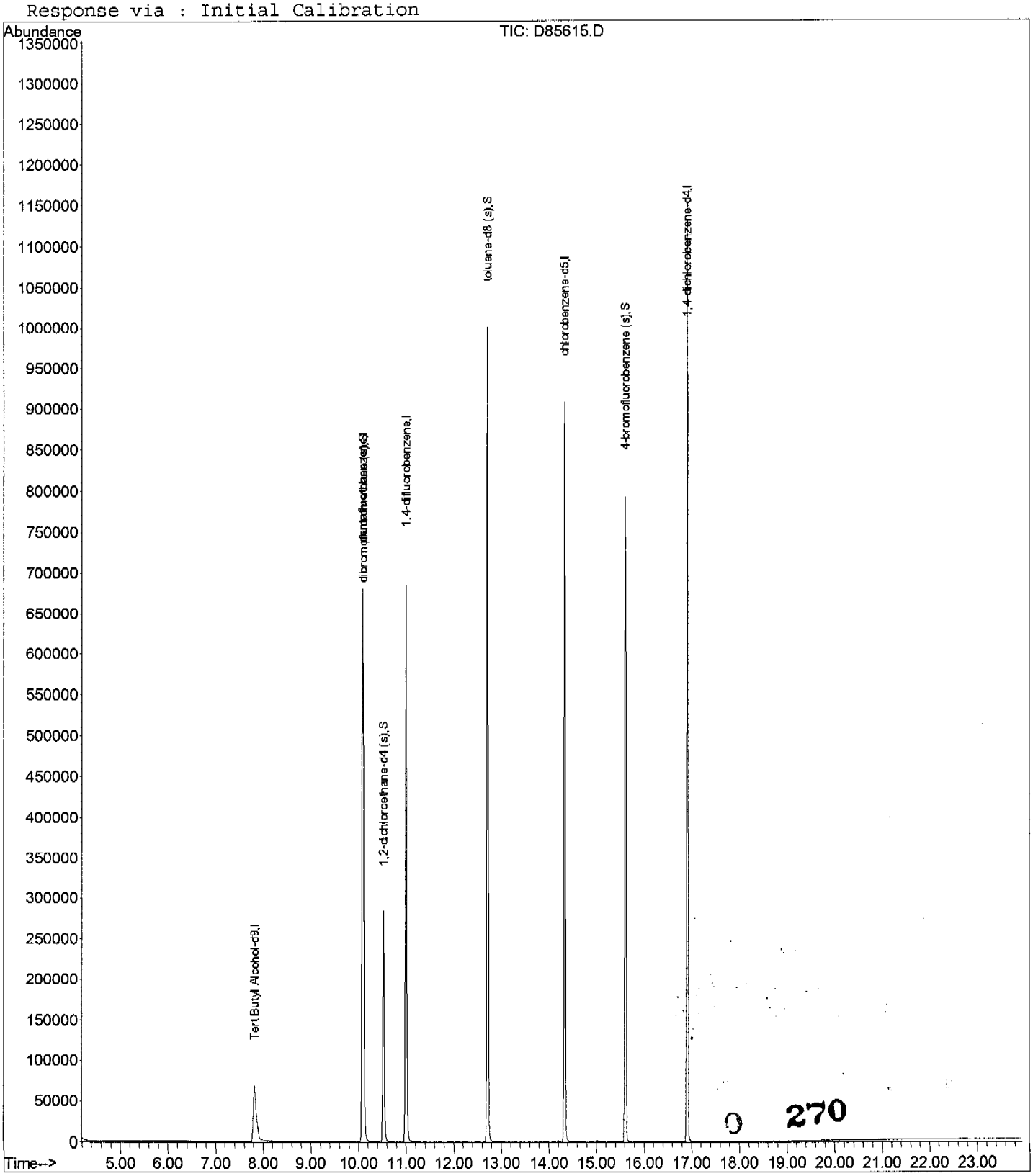
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85615.D
Acq On : 13 Aug 2004 10:06 pm
Sample : N74914-3
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:17 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85616.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	97%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85616.D
Acq On : 13 Aug 2004 10:36 pm
Sample : N74914-4
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:17 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	168620	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	419250	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	613863	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	565942	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	330163	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	181546	50.40 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 100.80%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	204565	48.53 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 97.06%		
65) toluene-d8 (s)	12.71	98	711833	49.05 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.10%		
88) 4-bromofluorobenzene (s)	15.61	95	277578	51.09 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.18%		

Target Compounds Qvalue

YL
8/16/04

273

(#) = qualifier out of range (m) = manual integration

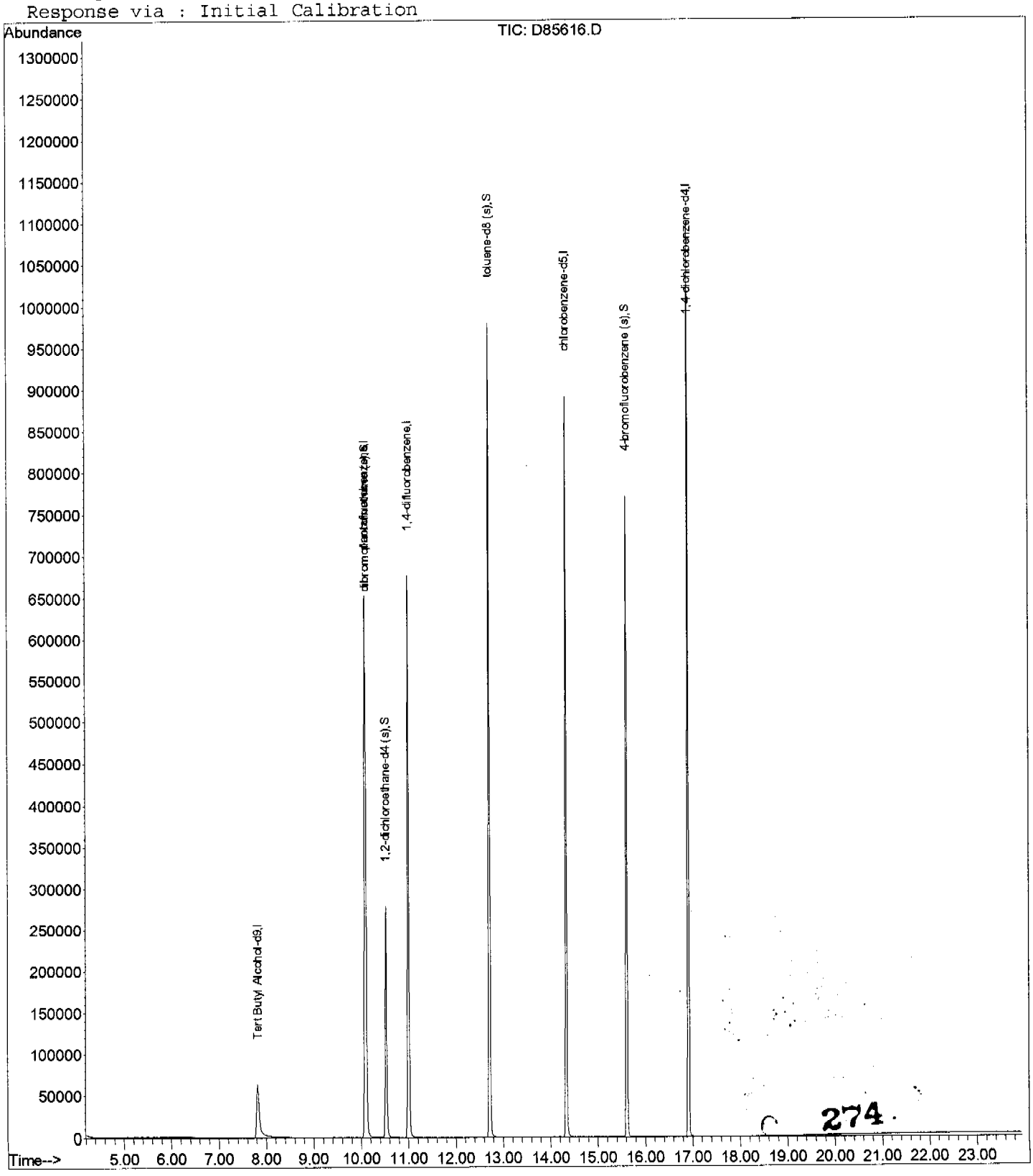
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85616.D
Acq On : 13 Aug 2004 10:36 pm
Sample : N74914-4
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:17 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



274.

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85617.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	99%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85617.D
Acq On : 13 Aug 2004 11:06 pm
Sample : N74914-5
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:18 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	171760	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	409450	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	598020	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	553358	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	324264	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	178204	50.65 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.30%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	202778	49.26 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 98.52%		
65) toluene-d8 (s)	12.71	98	692629	48.99 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 97.98%		
88) 4-bromofluorobenzene (s)	15.61	95	271317	50.84 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.68%		

Target Compounds Qvalue

KL
8/11/04

0 277

(#) = qualifier out of range (m) = manual integration

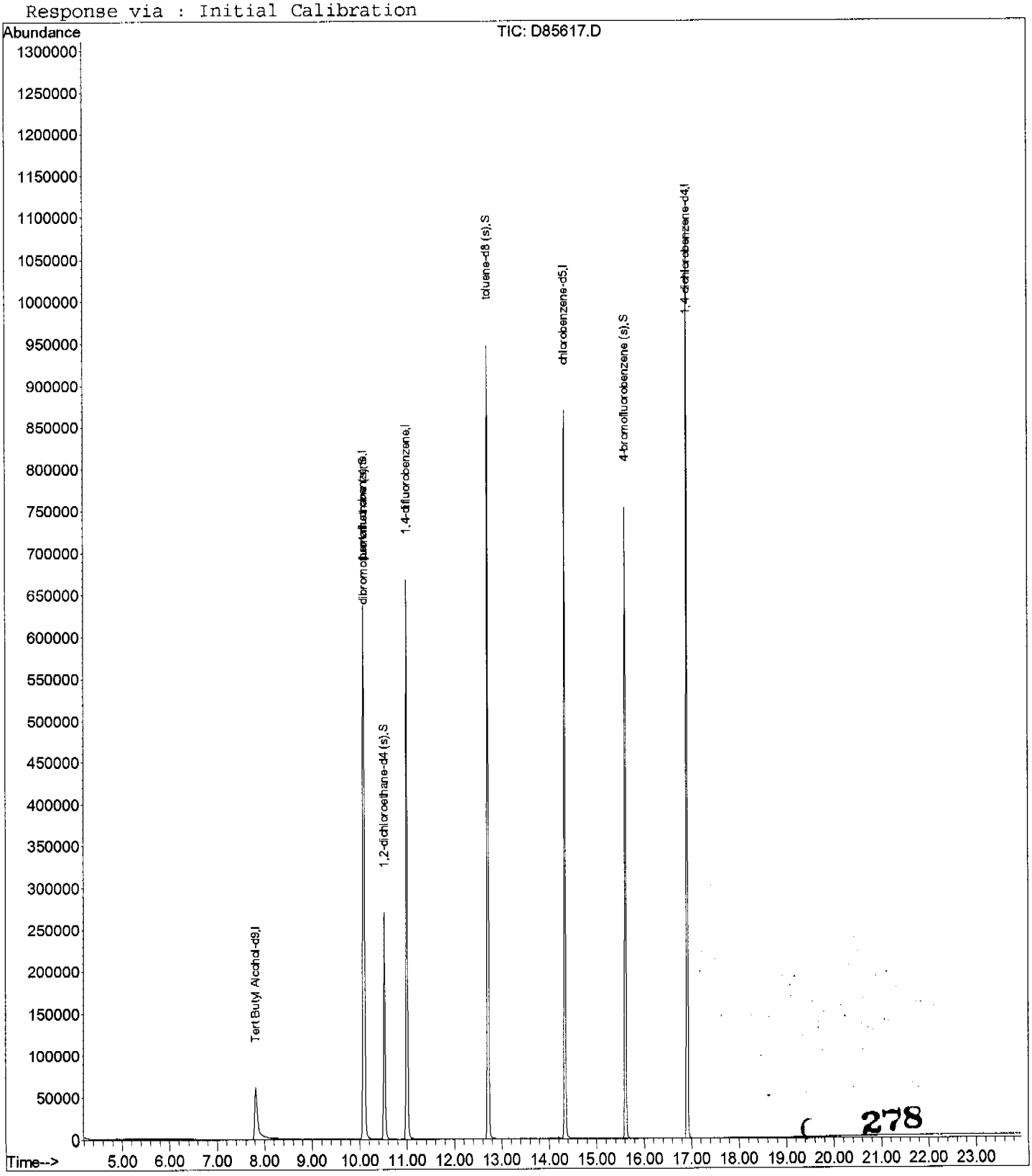
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85617.D
Acq On : 13 Aug 2004 11:06 pm
Sample : N74914-5
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:18 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85618.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-119%
17060-07-0	1,2-Dichloroethane-D4	99%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	103%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85618.D
Acq On : 13 Aug 2004 11:37 pm
Sample : N74914-6
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:18 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	167684	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	415975	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	604975	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	558806	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.92	152	324573	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	178715	50.00 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 100.00%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	206130	49.28 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 98.56%		
65) toluene-d8 (s)	12.71	98	699831	48.93 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 97.86%		
88) 4-bromofluorobenzene (s)	15.61	95	273850	51.27 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.54%		

Target Compounds Qvalue

M
8/16/04

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(#) = qualifier out of range (m) = manual integration

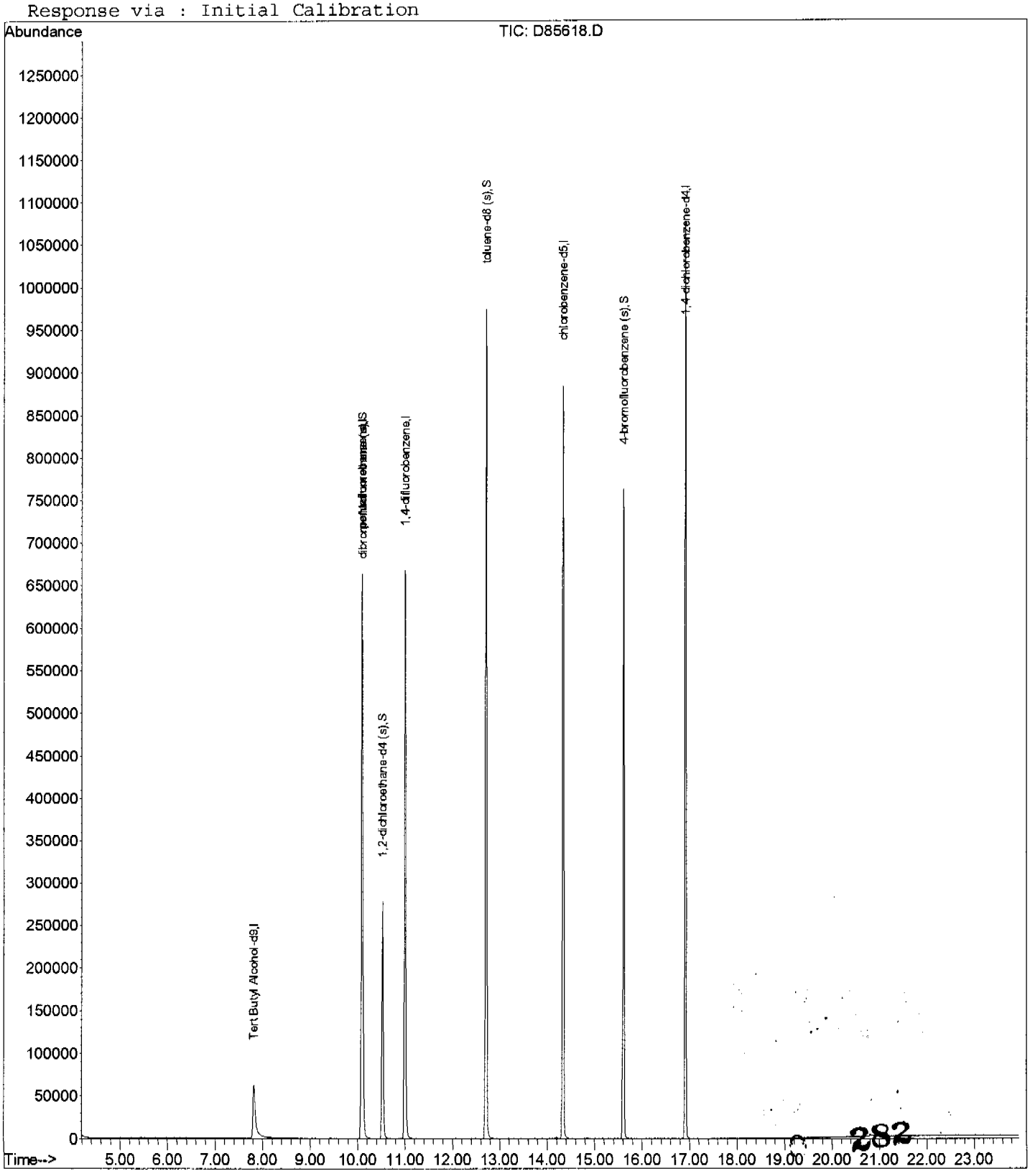
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85618.D
Acq On : 13 Aug 2004 11:37 pm
Sample : N74914-6
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:18 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85619.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85619.D
Acq On : 14 Aug 2004 12:07 am
Sample : N74914-7
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:19 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	168667	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	405033	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	594052	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	548433	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	321551	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	176346	50.67 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.34%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	203203	49.90 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 99.80%		
65) toluene-d8 (s)	12.71	98	689883	49.13 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.26%		
88) 4-bromofluorobenzene (s)	15.61	95	268405	50.72 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.44%		

Target Compounds Qvalue

TC
8/16/04

285

(#) = qualifier out of range (m) = manual integration

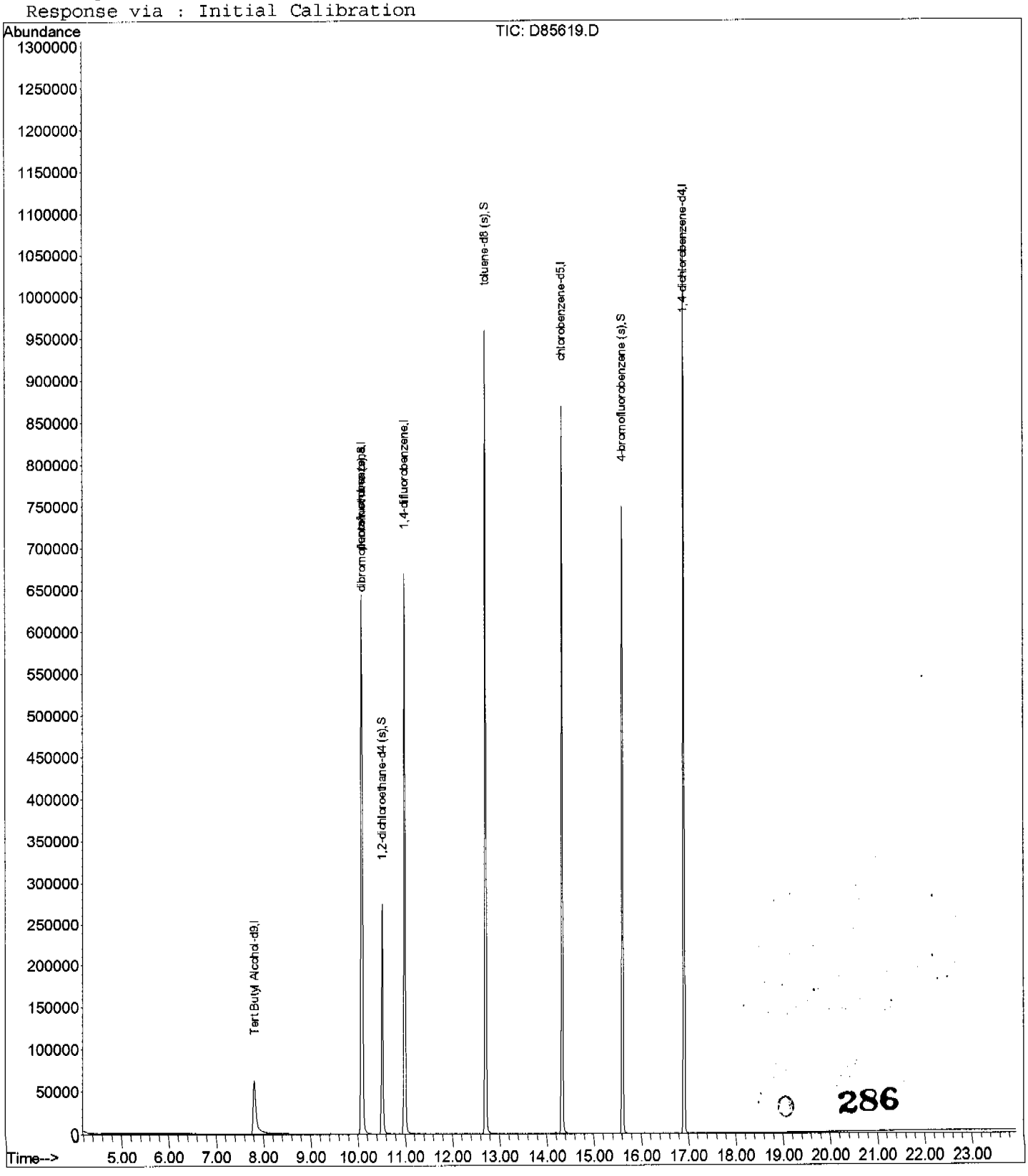
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85619.D
Acq On : 14 Aug 2004 12:07 am
Sample : N74914-7
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:19 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	N74914-8	**Date Sampled:**	08/11/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85620.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	TB		
Lab Sample ID:	N74914-8	**Date Sampled:**	08/11/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/12/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85620.D
Acq On : 14 Aug 2004 12:37 am
Sample : N74914-8
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:19 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	165170	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	397821	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	585047	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	538854	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	316178	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	174070	50.92 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.84%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	200873	50.22 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 100.44%		
65) toluene-d8 (s)	12.71	98	678424	49.05 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.10%		
88) 4-bromofluorobenzene (s)	15.61	95	263562	50.65 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.30%		

Target Compounds YL 8/16/04 Qvalue

289

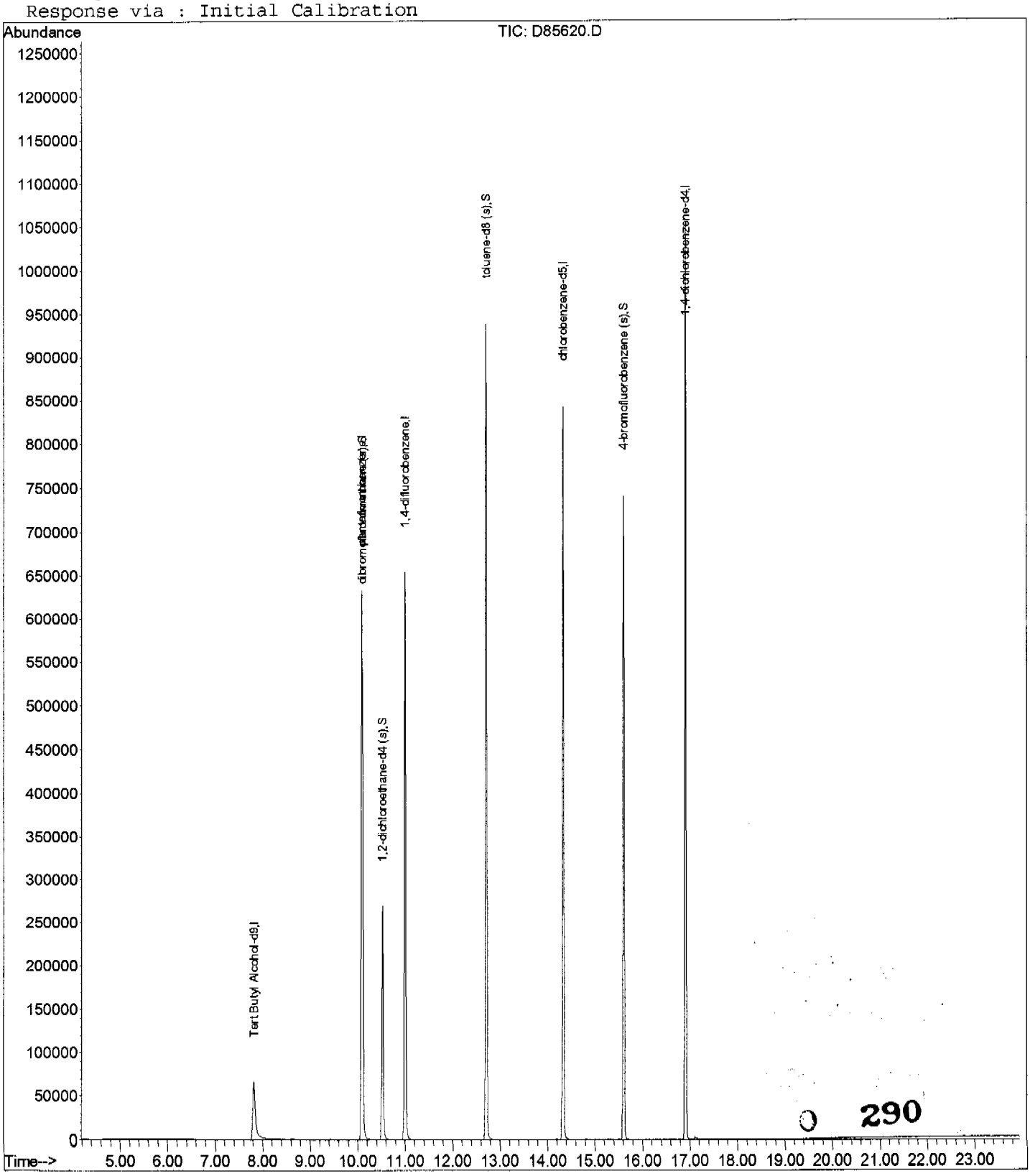
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85620.D
Acq On : 14 Aug 2004 12:37 am
Sample : N74914-8
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:19 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85609.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85609.D
Acq On : 13 Aug 2004 7:03 pm
Sample : N74914-9
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:09 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	157629	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	398380	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	581905	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	536771	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	313084	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	173474	50.68 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.36%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	199963	49.92 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 99.84%		
65) toluene-d8 (s)	12.71	98	675447	49.10 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.20%		
88) 4-bromofluorobenzene (s)	15.61	95	263235	51.09 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.18%		

Target Compounds Qvalue

M
8/16/04

293

(#) = qualifier out of range (m) = manual integration

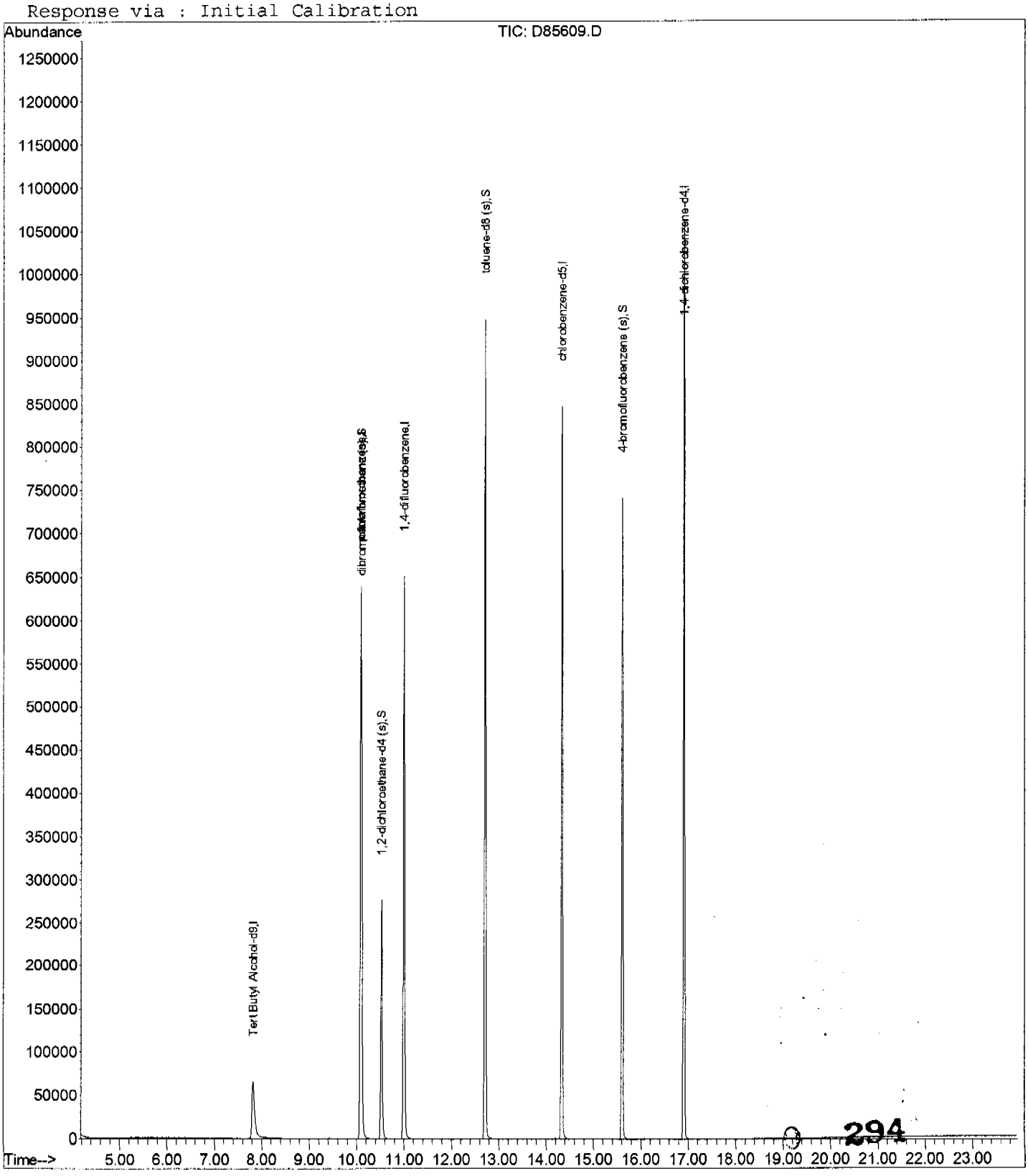
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85609.D
Acq On : 13 Aug 2004 7:03 pm
Sample : N74914-9
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:09 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85622.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	71.1	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	101%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85622.D
Acq On : 14 Aug 2004 1:37 am
Sample : N74914-10
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	162680	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	394570	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	579596	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	536173	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	315965	50.00 ug/L	0.00
System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	174035	51.33 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 102.66%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	200352	50.50 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 101.00%		
65) toluene-d8 (s)	12.71	98	672127	49.05 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.10%		
88) 4-bromofluorobenzene (s)	15.61	95	264746	50.91 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.82%		
Target Compounds					Qvalue
22) methyl tert butyl ether	8.28	73	486483	71.07 ug/L	100

M
8/16/04

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(#) = qualifier out of range (m) = manual integration

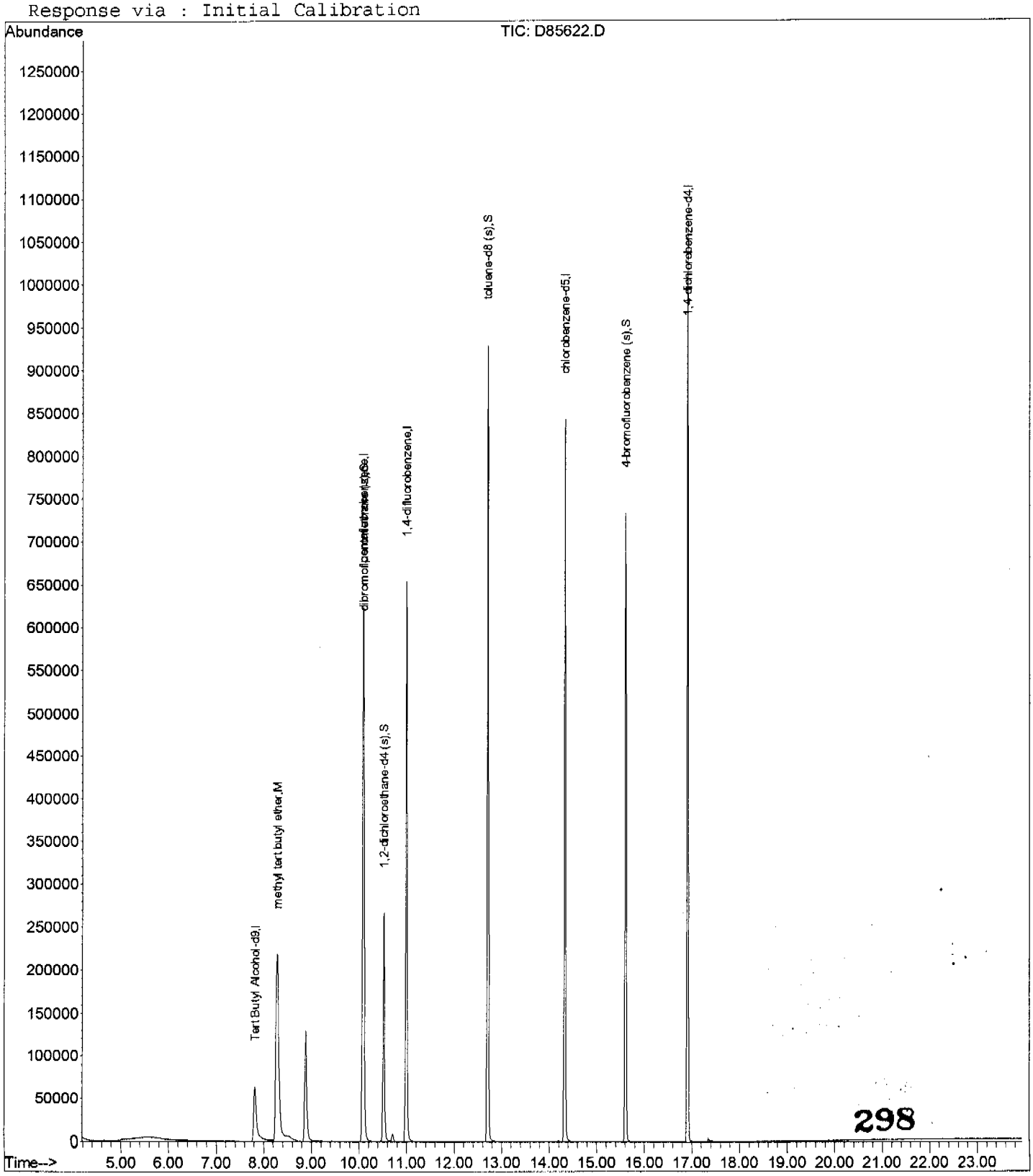
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85622.D
Acq On : 14 Aug 2004 1:37 am
Sample : N74914-10
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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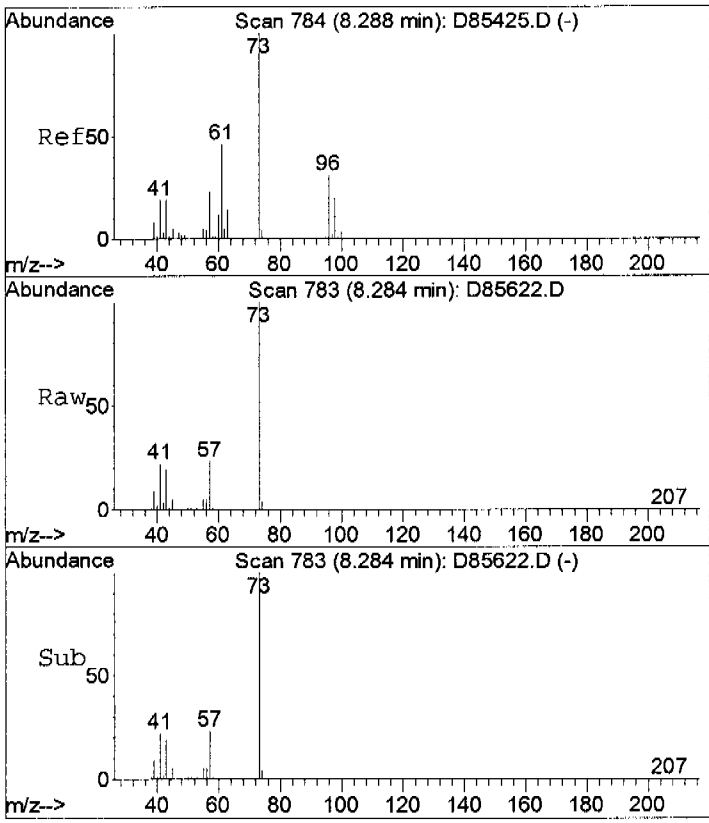
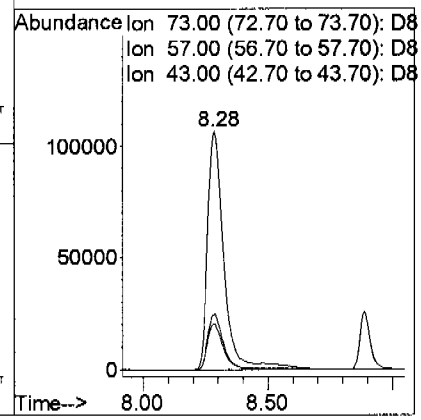


#22
methyl tert butyl ether
Concen: 71.07 ug/L
RT: 8.28 min Scan# 783
Delta R.T. -0.00 min
Lab File: D85622.D
Acq: 14 Aug 2004 1:37 am

Tgt Ion: 73 Resp: 486483

Ion	Ratio	Lower	Upper
73	100		
57	22.8	0.0	52.9
43	19.0	0.0	49.1



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85623.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	102%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85623.D
Acq On : 14 Aug 2004 2:07 am
Sample : N74914-11
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:22 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	164485	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	397930	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	586582	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	539506	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	316270	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	175917	51.45 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 102.90%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	203782	50.93 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 101.86%		
65) toluene-d8 (s)	12.71	98	683147	49.26 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.52%		
88) 4-bromofluorobenzene (s)	15.61	95	265572	51.02 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.04%		

Target Compounds Qvalue

M
8/16/04

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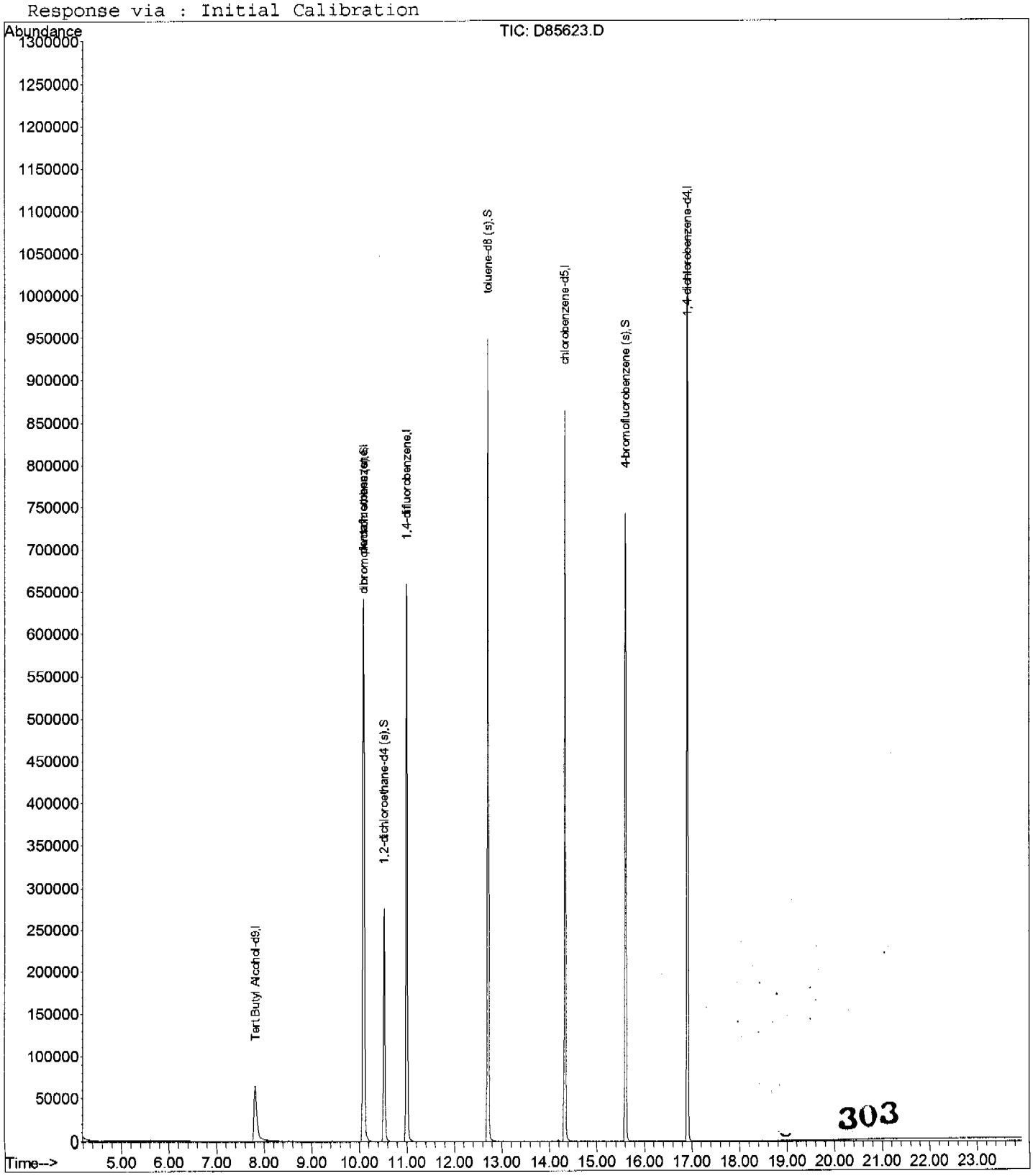
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85623.D
Acq On : 14 Aug 2004 2:07 am
Sample : N74914-11
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:22 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85624.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	102%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85624.D
Acq On : 14 Aug 2004 2:38 am
Sample : N74914-12
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:23 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	161065	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	391693	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	576081	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	534749	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	312091	50.00 ug/L	0.00
System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	173637	51.59 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 103.18%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	201658	51.20 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 102.40%		
65) toluene-d8 (s)	12.71	98	672607	49.39 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.78%		
88) 4-bromofluorobenzene (s)	15.61	95	262356	51.08 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.16%		

Target Compounds Qvalue

ll
8/16/04

306

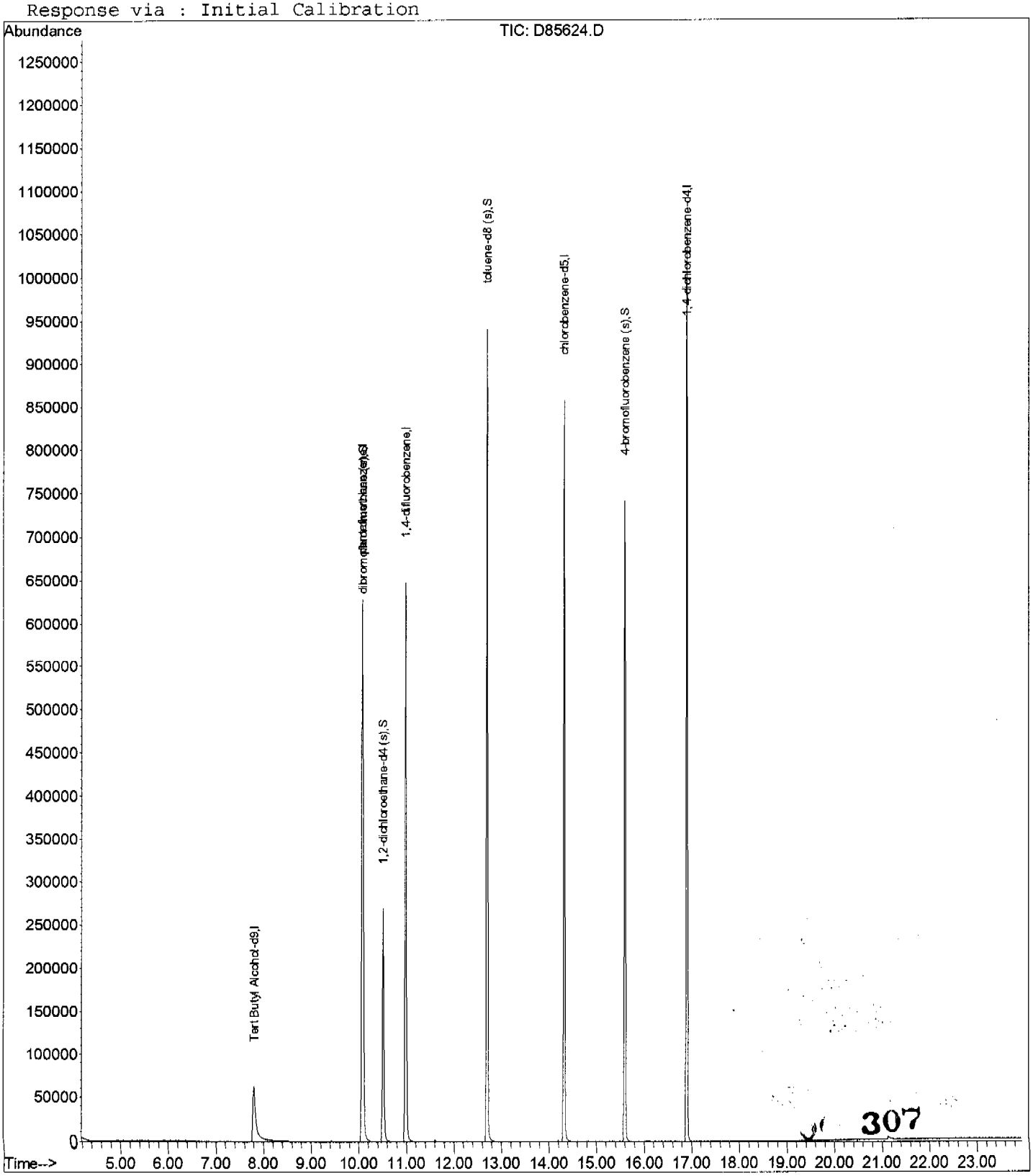
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85624.D
Acq On : 14 Aug 2004 2:38 am
Sample : N74914-12
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:23 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85625.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-119%
17060-07-0	1,2-Dichloroethane-D4	103%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85625.D
Acq On : 14 Aug 2004 3:08 am
Sample : N74914-13
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:23 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	148834	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	387618	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	570180	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	527476	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	311237	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	173274	52.02 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 104.04%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	200385	51.42 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 102.84%		
65) toluene-d8 (s)	12.71	98	662329	49.14 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.28%		
88) 4-bromofluorobenzene (s)	15.61	95	260851	50.93 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.86%		

Target Compounds Qvalue

M
8/16/04

310

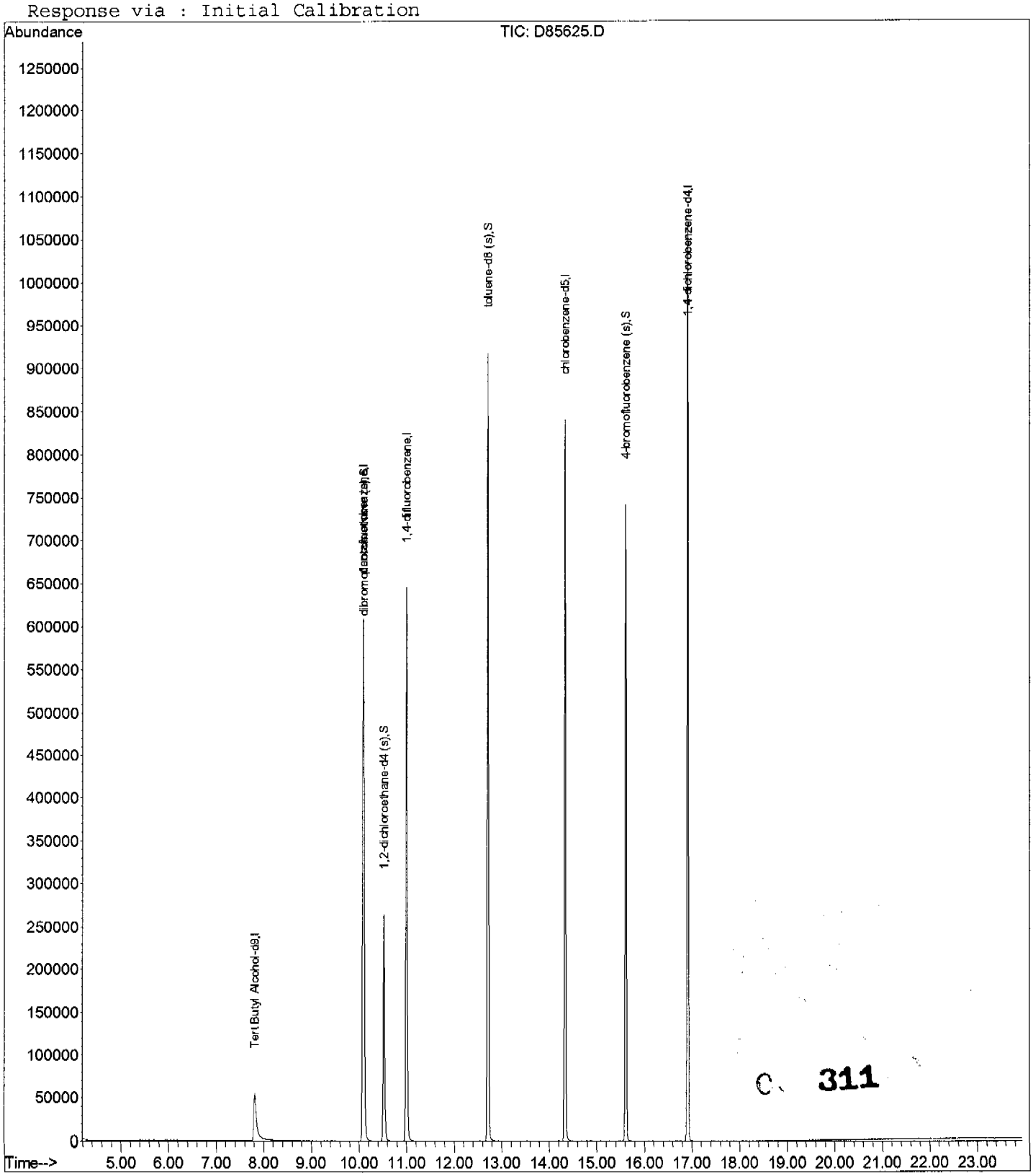
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85625.D
Acq On : 14 Aug 2004 3:08 am
Sample : N74914-13
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:23 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



C. 311

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85626.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		79-119%
17060-07-0	1,2-Dichloroethane-D4	103%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	101%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85626.D
Acq On : 14 Aug 2004 3:38 am
Sample : N74914-14
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:24 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	152977	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	390304	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	576133	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	534218	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	314115	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	173035	51.59 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 103.18%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	201658	51.39 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 102.78%		
65) toluene-d8 (s)	12.71	98	670995	49.27 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.54%		
88) 4-bromofluorobenzene (s)	15.61	95	261590	50.60 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.20%		

Target Compounds Qvalue

YC
8/16/04

O. 314

(#) = qualifier out of range (m) = manual integration

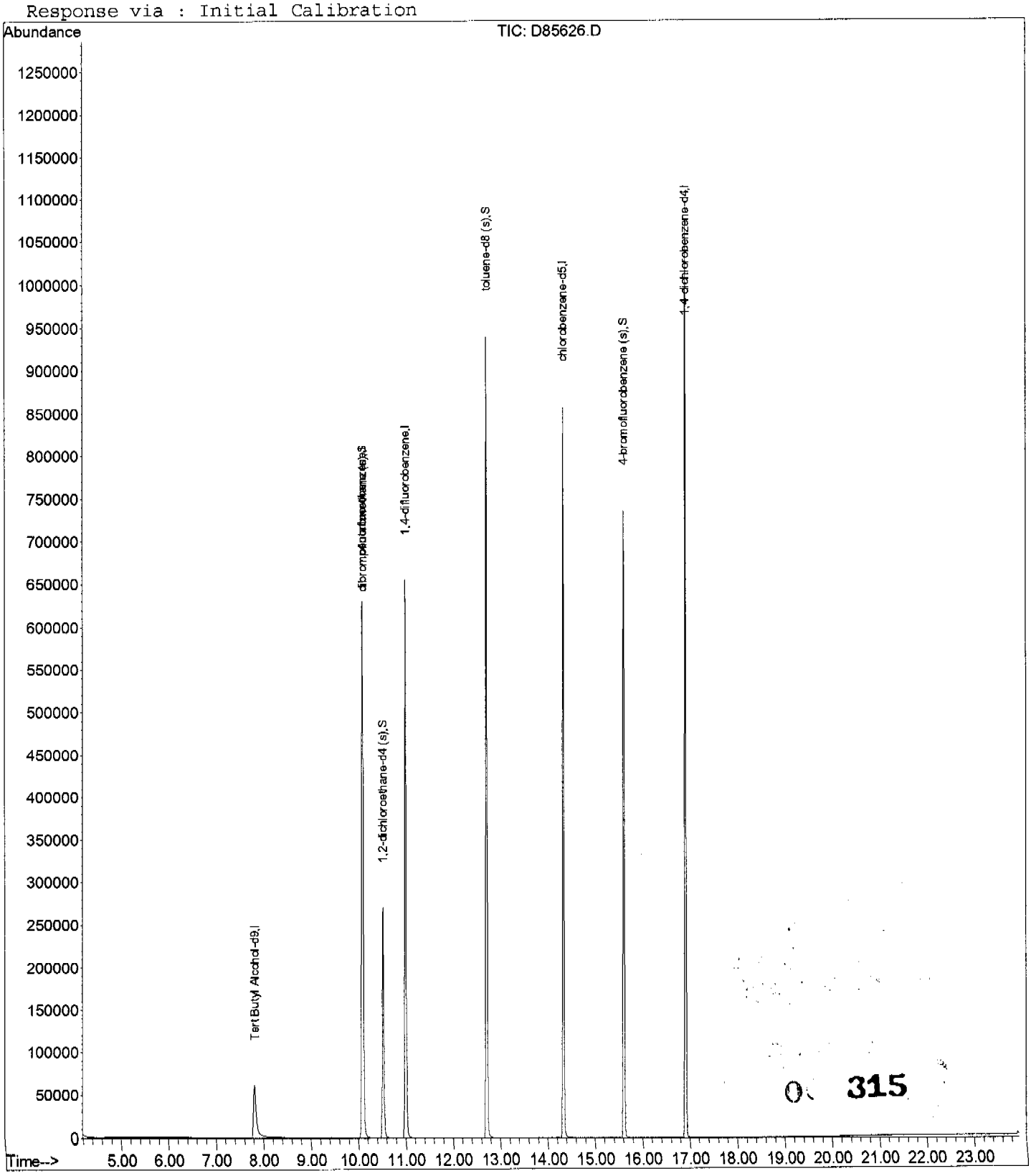
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85626.D
Acq On : 14 Aug 2004 3:38 am
Sample : N74914-14
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:24 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



315

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85627.D	1	08/14/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-119%
17060-07-0	1,2-Dichloroethane-D4	104%		68-129%
2037-26-5	Toluene-D8	99%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85627.D
Acq On : 14 Aug 2004 4:08 am
Sample : N74914-15
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 15:58 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	155809	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	389300	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	575934	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	532059	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	313430	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	173537	51.88 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 103.76%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	202585	51.76 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 103.52%		
65) toluene-d8 (s)	12.71	98	672500	49.39 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.78%		
88) 4-bromofluorobenzene (s)	15.61	95	262140	50.82 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.64%		

Target Compounds Qvalue

M
8/18/04

318

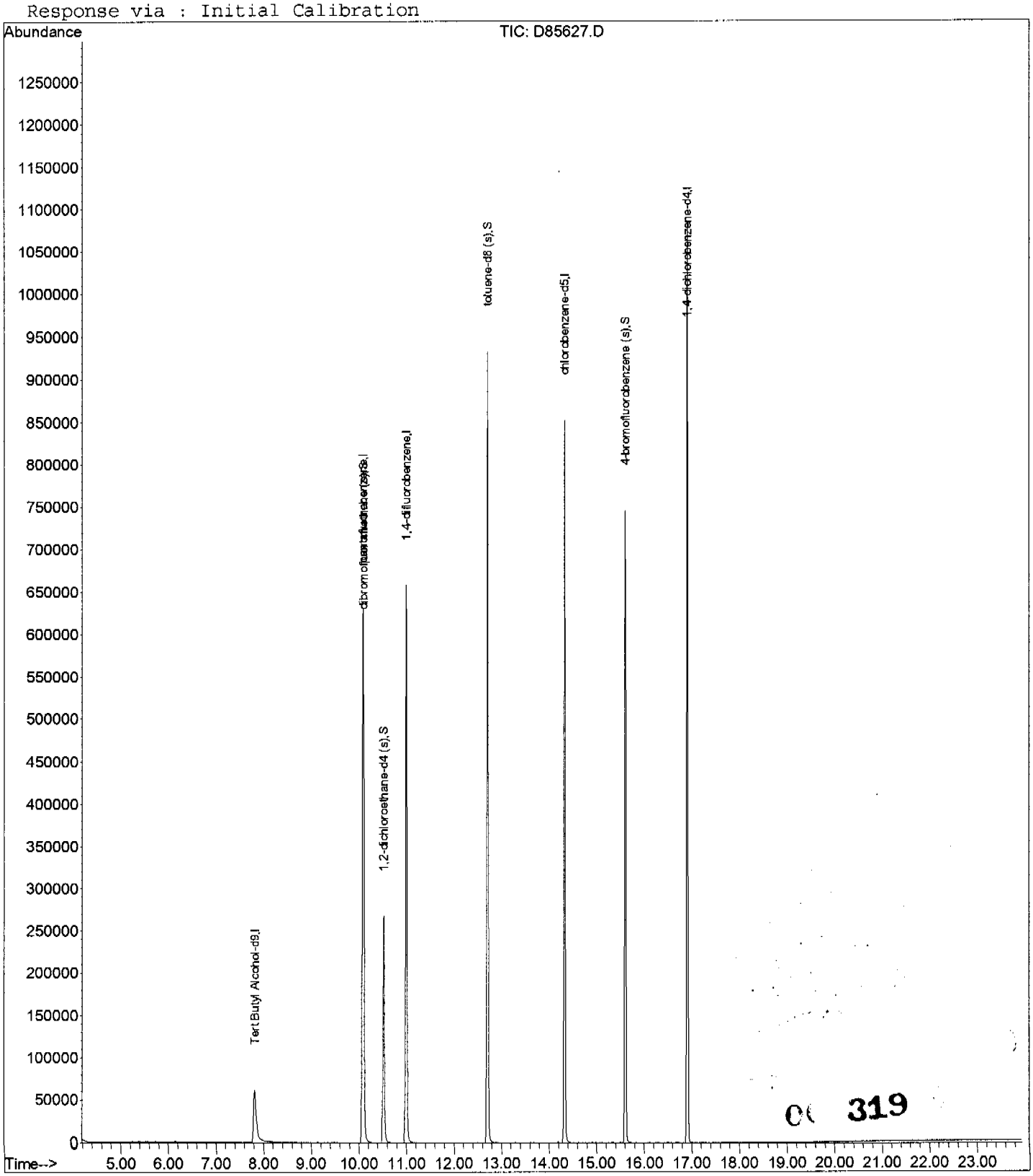
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85627.D
Acq On : 14 Aug 2004 4:08 am
Sample : N74914-15
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 15:58 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	N74914-16	**Date Sampled:**	08/12/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D85608.D	1	08/13/04	YL	n/a	n/a	VD3415
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/l	
71-43-2	Benzene	ND	1.0	0.31	ug/l	
74-97-5	**Bromochloromethane**	ND	5.0	0.54	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.11	ug/l	
75-25-2	Bromoform	ND	4.0	0.17	ug/l	
74-83-9	Bromomethane	ND	2.0	0.15	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.15	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.081	ug/l	
74-87-3	Chloromethane	ND	1.0	0.13	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.17	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.18	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.19	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.18	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.29	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.62	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.81	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.17	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.11	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.071	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.080	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
76-13-1	Freon 113	ND	5.0	0.35	ug/l	
591-78-6	2-Hexanone	ND	5.0	0.73	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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	N74914-16	**Date Sampled:**	08/12/04
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/13/04
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

VOA TCL List (OLM4.2)

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.63	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.59	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	5.0	0.12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.14	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.37	ug/l	
108-88-3	Toluene	ND	1.0	0.14	ug/l	
87-61-6	**1,2,3-Trichlorobenzene**	ND	5.0	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.61	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.17	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.67	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.66	ug/l	
	m,p-Xylene	ND	1.0	0.36	ug/l	
95-47-6	o-Xylene	ND	1.0	0.17	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-119%
17060-07-0	1,2-Dichloroethane-D4	100%		68-129%
2037-26-5	Toluene-D8	98%		83-118%
460-00-4	4-Bromofluorobenzene	102%		82-120%

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85608.D
Acq On : 13 Aug 2004 6:33 pm
Sample : N74914-16
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:09 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	155344	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	399498	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	586077	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	539275	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	313267	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	174349	50.79 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.58%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	199973	49.78 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 99.56%		
65) toluene-d8 (s)	12.71	98	679932	49.08 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.16%		
88) 4-bromofluorobenzene (s)	15.61	95	263876	51.18 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 102.36%		

Target Compounds Qvalue

n
8/16/04

Oc 322

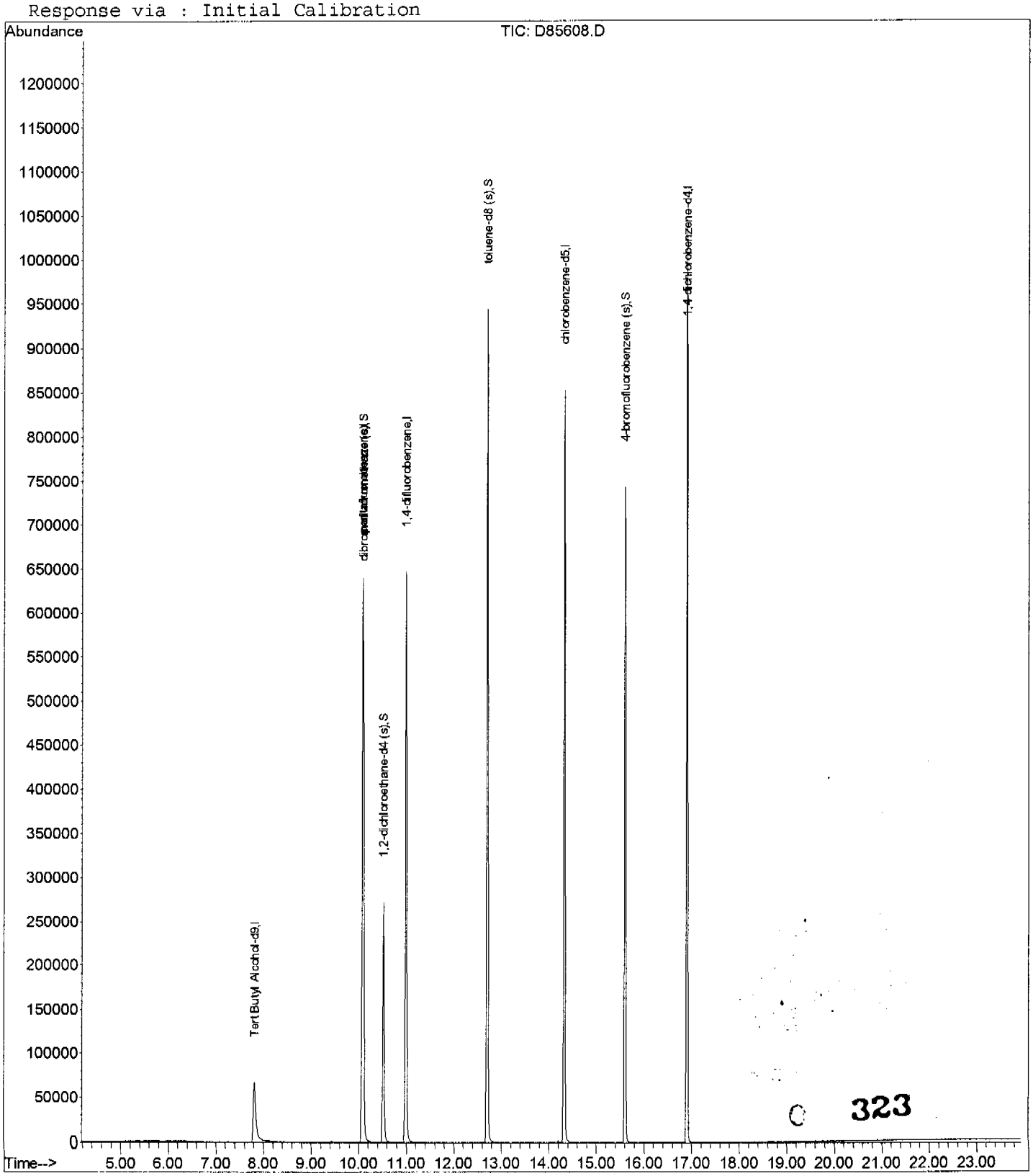
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85608.D
Acq On : 13 Aug 2004 6:33 pm
Sample : N74914-16
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:09 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



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Initial Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: VD3408-ICC3408
Lab FileID: D85425.D

Response Factor Report GCMS D

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration

Calibration Files
5 =D85423.D 2 =D85422.D 20 =D85424.D
50 =D85425.D 100 =D85427.D 1 =D85421.D 200 =D85426.D

Compound	5	2	20	50	100	1	200	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------								
2)M tertiary butyl al	0.685	0.636	0.697	0.709	0.706	0.691	0.683	0.687	3.57
3) I pentafluorobenzene	----------ISTD----------								
4)M chlorodifluoromet	0.408	0.396	0.396	0.388	0.379	0.452	0.368	0.398	6.78
5)M dichlorodifluorom	0.297	0.287	0.297	0.310	0.294	0.257	0.282	0.289	5.74
6)M chloromethane	0.369	0.384	0.347	0.355	0.294	0.369	0.332	0.350	8.48
7)M vinyl chloride	0.346	0.355	0.335	0.349	0.318	0.358	0.324	0.341	4.53
8)M bromomethane	0.262	0.291	0.182	0.215	0.179	0.247		0.229	19.58
----- Linear regression ----- Coefficient = 0.9907									
Response Ratio = 0.00721 + 0.18141 *A									
9)M chloroethane	0.222	0.233	0.191	0.186	0.158	0.253		0.207	16.88
----- Linear regression ----- Coefficient = 0.9929									
Response Ratio = 0.00821 + 0.15885 *A									
10)M trichlorofluorome	0.430	0.330	0.414	0.435	0.414	0.416	0.390	0.404	8.88
11)M ethyl ether	0.188	0.182	0.197	0.198	0.204	0.192	0.184	0.192	4.21
12)M acrolein	0.030		0.025	0.028	0.025		0.025	0.027	8.04
13)M 1,1-dichloroethen	0.294	0.285	0.286	0.300	0.306	0.301	0.293	0.295	2.59
14)M acetone	0.113	0.132	0.106	0.103	0.105		0.091	0.108	12.66
15)M allyl chloride	0.678	0.549	0.653	0.644	0.629	0.596	0.609	0.623	6.82
16)M acetonitrile	0.021		0.018	0.018	0.018		0.016	0.018	9.40
17)M iodomethane	0.518	0.493	0.523	0.542	0.558	0.504	0.536	0.525	4.27
18)M iso-butyl alcohol	0.046	0.047	0.043	0.042	0.044	0.044	0.042	0.044	4.06
19)M carbon disulfide	0.976	0.946	0.957	0.988	0.949	1.031	0.910	0.965	3.94
20)M methylene chlorid	0.360	0.359	0.352	0.354	0.357	0.373	0.346	0.357	2.37
21)M methyl acetate	0.281	0.299	0.252	0.249	0.250		0.234	0.261	9.24
22)M methyl tert butyl	0.842	0.856	0.901	0.900	0.924	0.832	0.816	0.867	4.73
23)M trans-1,2-dichlor	0.322	0.324	0.323	0.330	0.330	0.302	0.316	0.321	3.03
24)M di-isopropyl ethe	0.941	0.918	0.974	0.964	0.964	0.986	0.901	0.950	3.26
25)M ethyl tert-butyl	0.882	0.888	0.924	0.914	0.937	0.925	0.824	0.899	4.30
26)M 2-butanone	0.038		0.040	0.043	0.045		0.043	0.042	6.39
27)M 1,1-dichloroethan	0.589	0.573	0.577	0.570	0.558	0.603	0.528	0.571	4.17
28)M chloroprene	0.347	0.327	0.364	0.375	0.380	0.350	0.366	0.358	5.12
29)M acrylonitrile	0.132	0.128	0.138	0.138	0.139	0.124	0.132	0.133	4.19
30)M vinyl acetate	0.053		0.063	0.068	0.072		0.069	0.065	11.19
31)M ethyl acetate	0.040		0.048	0.038	0.038		0.034	0.040	13.20
32)M 2,2-dichloropropa	0.425	0.426	0.411	0.403	0.380	0.440	0.365	0.407	6.55
33)M cis-1,2-dichloroe	0.356	0.350	0.357	0.358	0.359	0.340	0.336	0.351	2.66
34)M propionitrile	0.051	0.050	0.053	0.053	0.052	0.047	0.047	0.050	5.06
35)M bromochloromethan	0.172	0.168	0.181	0.183	0.189	0.174	0.182	0.178	4.15
36)M tetrahydrofuran	0.095	0.100	0.103	0.105	0.103	0.112	0.099	0.103	5.31
37)M chloroform	0.567	0.554	0.557	0.554	0.547	0.571	0.5[illegible]	0.555	2.29
38)S dibromofluorometh	0.432	0.435	0.428	0.426	0.423	0.438	0.426	0.430	1.23
39)S 1,2-dichloroethan	0.513	0.521	0.518	0.494	0.473	0.516	0.485	0.503	3.75

Initial Calibration Summary

Job Number: N74914 **Sample:** VD3408-ICC3408
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** D85425.D
Project: Former Camp Butner, NC

40)M	freon 113	0.235	0.230	0.219	0.235	0.244	0.247	0.230	0.234	3.97
41)M	methacrylonitrile	0.194	0.185	0.210	0.210	0.212	0.179	0.205	0.199	6.73
42)M	1,1,1-trichloroet	0.491	0.487	0.486	0.494	0.481	0.498	0.477	0.488	1.49
43)M	tert-amyl methyl	0.967	0.988	0.973	0.910	0.877	1.008	0.702	0.918	11.53
44) I	1,4-difluorobenzene	----------ISTD----------								
45)M	Di-isobutylene	0.511	0.438	0.533	0.592	0.589	0.447	0.577	0.527	12.31
46)M	epichlorohydrin	0.028	0.028	0.030	0.031	0.031	0.025	0.031	0.029	7.38
47)M	n-butyl alcohol	0.006	0.005	0.007	0.007	0.007	0.006	0.007	0.006#	11.67
48)M	carbon tetrachlor	0.293	0.273	0.290	0.297	0.290	0.292	0.292	0.290	2.60
49)M	1,1-dichloroprope	0.289	0.276	0.289	0.297	0.293	0.289	0.282	0.288	2.40
50)M	hexane	0.243	0.233	0.247	0.267	0.275	0.277	0.262	0.258	6.60
51)M	benzene	0.900	0.894	0.888	0.895	0.874	0.937	0.814	0.886	4.21
52)M	heptane	0.131	0.125	0.133	0.139	0.138	0.133	0.132	0.133	3.61
53)M	isopropyl acetate	0.380	0.369	0.390	0.395	0.401	0.394	0.387	0.388	2.78
54)M	1,2-dichloroethan	0.302	0.305	0.299	0.297	0.285	0.317	0.281	0.298	4.18
55)M	trichloroethene	0.229	0.224	0.227	0.232	0.225	0.229	0.219	0.227	1.91
56)M	2-nitropropane	0.042	0.042	0.052	0.061	0.066	0.044	0.070	0.054	22.00

----- Linear regression ----- Coefficient = 0.9988
Response Ratio = -0.00417 + 0.06989 *A

57)M	2-chloroethyl vin	0.144	0.134	0.153	0.151	0.143	0.137	0.120	0.140	8.11
58)M	methyl methacryla	0.213	0.205	0.239	0.252	0.251	0.204	0.238	0.229	9.18
59)M	1,2-dichloropropa	0.232	0.225	0.237	0.237	0.228	0.232	0.213	0.229	3.61
60)M	methylcyclohexane	0.345	0.325	0.345	0.368	0.375	0.347	0.354	0.351	4.65
61)M	dibromomethane	0.145	0.143	0.144	0.149	0.146	0.135	0.142	0.143	3.10
62)M	1,4-dioxane	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002#	12.92
63)M	bromodichlorometh	0.280	0.263	0.291	0.299	0.295	0.279	0.293	0.286	4.32
64)M	cis-1,3-dichlorop	0.361	0.340	0.382	0.399	0.393	0.332	0.386	0.371	7.10
65)S	toluene-d8 (s)	1.173	1.171	1.189	1.194	1.184	1.161	1.203	1.182	1.24
66)M	4-methyl-2-pentan	0.309	0.294	0.345	0.353	0.347	0.290	0.330	0.324	8.09
67)M	toluene	0.567	0.554	0.575	0.585	0.576	0.569	0.551	0.568	2.08
68)M	3-methyl-1-butano	0.005	0.005	0.006	0.007	0.007	0.004	0.007	0.006#	22.33

----- Linear regression ----- Coefficient = 0.9994
Response Ratio = -0.00193 + 0.00714 *A

69)M	trans-1,3-dichlor	0.329	0.304	0.359	0.368	0.362	0.307	0.356	0.341	7.94
70)M	ethyl methacrylat	0.269	0.232	0.309	0.327	0.329		0.321	0.298	13.21
71)M	1,1,2-trichloroet	0.176	0.172	0.179	0.182	0.181	0.165	0.176	0.176	3.26
72)M	2-hexanone	0.133	0.125	0.153	0.159	0.153	0.123	0.147	0.142	10.33
73) I	chlorobenzene-d5	----------ISTD----------								
74)M	tetrachloroethene	0.303	0.298	0.300	0.303	0.302	0.287	0.287	0.297	2.52
75)M	1,3-dichloropropa	0.387	0.386	0.399	0.401	0.393	0.371	0.371	0.387	3.13
76)M	butyl acetate	0.147	0.136	0.161	0.163	0.168	0.131	0.159	0.152	9.32
77)M	dibromochlorometh	0.223	0.205	0.246	0.259	0.269	0.199	0.265	0.238	12.13
78)M	1,2-dibromoethane	0.221	0.219	0.231	0.236	0.240	0.202	0.232	0.226	5.79
79)M	chlorobenzene	0.706	0.713	0.719	0.728	0.728	0.723	0.693	0.716	1.80
80)M	1,1,1,2-tetrachlo	0.249	0.241	0.255	0.262	0.262	0.237	0.253	0.251	3.92
81)M	ethylbenzene	1.115	1.075	1.151	1.169	1.143	1.102	1.054	1.115	3.75
82)M	m,p-xylene	0.449	0.433	0.460	0.468	0.458	0.422	0.402	0.442	5.44
83)M	o-xylene	0.450	0.413	0.475	0.477	0.465	0.422	0.409	0.444	6.60
84)M	styrene	0.692	0.601	0.769	0.786	0.767	0.569	0.676	0.694	12.31
85)M	bromoform	0.149	0.138	0.174	0.190	0.202	0.128	0.202	0.169	18.25

----- Linear regression ----- Coefficient = 0.9997
Response Ratio = -0.00623 + 0.20360 *A

86) I	1,4-dichlorobenzene-d	----------ISTD----------								
87)M	isopropylbenzene	1.661	1.544	1.753	1.844	1.838	1.515	1.728	1.698	7.74

Initial Calibration Summary

Job Number: N74914 **Sample:** VD3408-ICC3408
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** D85425.D
Project: Former Camp Butner, NC

88)	S	4-bromofluorobenz	0.827	0.827	0.818	0.820	0.816	0.828	0.824	0.823	0.60
89)	M	bromobenzene	0.521	0.504	0.535	0.552	0.561	0.520	0.543	0.534	3.73
90)	M	cyclohexanone	0.310	0.401	0.432	0.219	0.287	0.352	0.240	0.320	24.85
91)	M	1,1,2,2-tetrachlo	0.497	0.501	0.512	0.524	0.529	0.508	0.505	0.511	2.33
92)	M	trans-1,4-dichlor	0.124	0.121	0.139	0.149	0.151	0.124	0.150	0.137	10.02
93)	M	1,2,3-trichloropr	0.145	0.133	0.132	0.132	0.133	0.136	0.129	0.134	3.82
94)	M	n-propylbenzene	2.196	2.084	2.255	2.331	2.282	1.990	2.099	2.177	5.66
95)	M	2-chlorotoluene	1.536	1.487	1.575	1.606	1.568	1.476	1.419	1.524	4.33
96)	M	4-chlorotoluene	1.418	1.347	1.434	1.463	1.452	1.299	1.382	1.399	4.27
97)	M	1,3,5-trimethylbe	1.560	1.430	1.615	1.675	1.662	1.412	1.505	1.551	6.87
98)	M	tert-butylbenzene	0.881	0.792	0.923	0.971	0.945	0.818	0.926	0.894	7.44
99)	M	pentachloroethane	0.288	0.264	0.322	0.350	0.359	0.250	0.342	0.311	14.03
100)	M	1,2,4-trimethylbe	1.627	1.487	1.699	1.757	1.754	1.414	1.605	1.621	8.09
101)	M	sec-butylbenzene	2.010	1.864	2.131	2.220	2.217	1.782	2.041	2.038	8.27
102)	M	1,3-dichlorobenze	1.050	1.020	1.057	1.087	1.100	1.029	1.052	1.057	2.73
103)	M	p-isopropyltoluen	1.722	1.578	1.844	1.932	1.931	1.463	1.781	1.750	10.13
104)	M	1,4-dichlorobenze	1.100	1.087	1.094	1.124	1.139	1.124	1.080	1.107	2.01
105)	M	1,2-dichlorobenze	1.014	0.990	1.042	1.061	1.075	1.025	1.016	1.032	2.86
106)	M	n-butylbenzene	1.539	1.408	1.648	1.697	1.655	1.411	1.527	1.555	7.53
107)	M	1,2-dibromo-3-chl	0.079	0.076	0.092	0.096	0.097	0.081	0.093	0.088	9.91
108)	M	1,2,4-trichlorobe	0.645	0.604	0.703	0.738	0.741	0.569	0.677	0.668	9.87
109)	M	hexachlorobutadie	0.348	0.339	0.362	0.379	0.370	0.333	0.344	0.354	4.80
110)	M	naphthalene	1.159	1.028	1.357	1.437	1.535		1.342	1.310	14.19
111)	M	1,2,3-trichlorobe	0.511	0.472	0.554	0.578	0.611	0.457	0.538	0.532	10.45
112)	M	hexachloroethane	0.262	0.237	0.296	0.331	0.348	0.245	0.341	0.294	15.93

----- Linear regression ----- Coefficient = 0.9997
Response Ratio = -0.00733 + 0.34402 *A

113)	M	Cyclohexane	0.563	0.564	0.550	0.594	0.605	0.565	0.564	0.572	3.42

(#) = Out of Range

MD3408.M Mon Aug 16 09:12:21 2004 MSD

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	169565	500.00	ug/L	0.00
3) pentafluorobenzene	10.08	168	379770	50.00	ug/L	0.00
44) 1,4-difluorobenzene	10.99	114	545105	50.00	ug/L	0.00
73) chlorobenzene-d5	14.33	117	505706	50.00	ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.92	152	306366	50.00	ug/L	0.00

System Monitoring Compounds						
38) dibromofluoromethane (s)	10.10	113	166161	50.92	ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.84%			
39) 1,2-dichloroethane-d4 (s)	10.52	65	195988	51.33	ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 102.66%			
65) toluene-d8 (s)	12.71	98	632607	49.09	ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 98.18%			
88) 4-bromofluorobenzene (s)	15.61	95	253804	50.34	ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 100.68%			

Target Compounds						Qvalue
2) tertiary butyl alcohol	7.94	59	1171	5.03	ug/L	82
4) chlorodifluoromethane	4.44	51	3434	1.14	ug/L	95
5) dichlorodifluoromethane	4.42	85	1954	0.89	ug/L	92
6) chloromethane	4.79	50	2800	1.05	ug/L	92
7) vinyl chloride	5.07	62	2721	1.05	ug/L	92
8) bromomethane	5.75	94	1878	1.04	ug/L #	67
9) chloroethane	5.93	64	1919	1.29	ug/L	81
10) trichlorofluoromethane	6.42	101	3156	1.02	ug/L	94
11) ethyl ether	6.81	74	1457	1.00	ug/L	87
12) acrolein	7.00	56	2114	10.22	ug/L	91
13) 1,1-dichloroethene	7.27	96	2287	1.02	ug/L	97
14) acetone	7.22	43	1375	1.52	ug/L	57
15) allyl chloride	7.73	41	4528	0.96	ug/L	90
16) acetonitrile	7.62	40	2545m	12.83	ug/L	
17) iodomethane	7.51	142	3831	0.96	ug/L	95
18) iso-butyl alcohol	10.30	41	3372m	8.74	ug/L	
19) carbon disulfide	7.68	76	7831m	1.03	ug/L	
20) methylene chloride	7.89	84	2831	1.04	ug/L	86
21) methyl acetate	7.70	43	3181 8/10/04	1.61	ug/L #	65
22) methyl tert butyl ether	8.29	73	6320	0.96	ug/L	92
23) trans-1,2-dichloroethene	8.31	96	2294	0.94	ug/L	96
24) di-isopropyl ether	8.89	45	7487	1.04	ug/L	86
25) ethyl tert-butyl ether	9.34	59	7026	1.03	ug/L	97
27) 1,1-dichloroethane	8.84	63	4581	1.06	ug/L	95
28) chloroprene	8.98	53	2657	0.98	ug/L	96
29) acrylonitrile	8.18	53	4721	4.67	ug/L	96
30) vinyl acetate	8.84	86	131	0.32	ug/L #	1
31) ethyl acetate	9.56	45	106	0.40	ug/L #	19
32) 2,2-dichloropropane	9.60	77	3340	1.08	ug/L	89
33) cis-1,2-dichloroethene	9.56	96	2581	0.97	ug/L	94
34) propionitrile	9.57	54	3548	9.28	ug/L	96
35) bromochloromethane	9.86	128	1320	0.97	ug/L	91
36) tetrahydrofuran	9.94	42	854	1.10	ug/L #	56

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
37)	chloroform	9.92	83	4338	1.03 ug/L		90
40)	freon 113	7.27	151	1876m	1.17 ug/L		
41)	methacrylonitrile	9.78	41	1357 rl	0.90 ug/L		84
42)	1,1,1-trichloroethane	10.22	97	3780 rl/m/rt	1.02 ug/L		94
43)	tert-amyl methyl ether	10.71	73	7659	1.10 ug/L		90
45)	Di-isobutylene	11.30	57	4876	0.85 ug/L		75
46)	epichlorohydrin	12.23	57	1372	4.33 ug/L		93
47)	n-butyl alcohol	11.08	56	3013	44.02 ug/L		93
48)	carbon tetrachloride	10.45	117	3178	1.01 ug/L		97
49)	1,1-dichloropropene	10.39	75	3152	1.00 ug/L		87
50)	hexane	8.67	57	3021	1.08 ug/L		92
51)	benzene	10.65	78	10218	1.06 ug/L		98
52)	heptane	10.88	57	1448	1.00 ug/L		88
53)	isopropyl acetate	10.56	43	4292	1.01 ug/L	#	68
54)	1,2-dichloroethane	10.61	62	3461	1.07 ug/L		94
55)	trichloroethene	11.36	95	2500	1.01 ug/L		90
56)	2-nitropropane	12.07	43	483	0.82 ug/L		88
57)	2-chloroethyl vinyl ether	12.13	63	7493	4.90 ug/L		95
58)	methyl methacrylate	11.62	69	2226	0.89 ug/L	#	71
59)	1,2-dichloropropane	11.60	63	2533	1.01 ug/L		96
60)	methylcyclohexane	11.65	83	3788	0.99 ug/L		97
61)	dibromomethane	11.74	93	1467	0.94 ug/L		99
62)	1,4-dioxane	11.71	88	472	19.14 ug/L	#	70
63)	bromodichloromethane	11.87	83	3047	0.98 ug/L		97
64)	cis-1,3-dichloropropene	12.36	75	3622	0.90 ug/L		93
66)	4-methyl-2-pentanone	12.46	43	3165	0.90 ug/L		95
67)	toluene	12.78	92	6206	1.00 ug/L		94
68)	3-methyl-1-butanol	12.46	70	880	13.55 ug/L	#	76
69)	trans-1,3-dichloropropene	12.94	75	3345	0.90 ug/L		94
70)	ethyl methacrylate	12.97	69	2404	0.77 ug/L		94
71)	1,1,2-trichloroethane	13.17	83	1801	0.94 ug/L		95
72)	2-hexanone	13.38	43	1343	0.87 ug/L		88
74)	tetrachloroethene	13.43	166	2898	0.96 ug/L		97
75)	1,3-dichloropropane	13.37	76	3754	0.96 ug/L		92
76)	butyl acetate	13.48	56	1330	0.86 ug/L		91
77)	dibromochloromethane	13.66	129	2011	0.84 ug/L		95
78)	1,2-dibromoethane	13.83	107	2043	0.89 ug/L		91
79)	chlorobenzene	14.36	112	7313	1.01 ug/L		95
80)	1,1,1,2-tetrachloroethane	14.42	131	2392	0.94 ug/L		96
81)	ethylbenzene	14.45	91	11143	0.99 ug/L		98
82)	m,p-xylene	14.57	106	8533	1.91 ug/L		96
83)	o-xylene	15.02	106	4269	0.95 ug/L		94
84)	styrene	15.03	104	5759	0.82 ug/L		97
85)	bromoform	15.28	173	1290	0.75 ug/L		92
87)	isopropylbenzene	15.41	105	9280	0.89 ug/L		98
89)	bromobenzene	15.83	156	3189	0.98 ug/L		88
90)	cyclohexanone	15.53	55	2158	1.10 ug/L		96
91)	1,1,2,2-tetrachloroethane	15.68	83	3111	0.99 ug/L		98
92)	trans-1,4-dichloro-2-buten	15.73	53	760	0.91 ug/L	#	71

328

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
93)	1,2,3-trichloropropane	15.77	77	833m	0.92 ug/L	
94)	n-propylbenzene	15.87	91	12195	0.91 ug/L	99
95)	2-chlorotoluene	16.02	91	9046	0.97 ug/L	96
96)	4-chlorotoluene	16.13	91	7961	0.93 ug/L	97
97)	1,3,5-trimethylbenzene	16.04	105	8650	0.91 ug/L	97
98)	tert-butylbenzene	16.43	91	5012	0.92 ug/L	95
99)	pentachloroethane	16.49	167	1531	0.80 ug/L	81
100)	1,2,4-trimethylbenzene	16.47	105	8667	0.87 ug/L	94
101)	sec-butylbenzene	16.67	105	10919	0.87 ug/L	97
102)	1,3-dichlorobenzene	16.85	146	6303	0.97 ug/L	94
103)	p-isopropyltoluene	16.81	119	8964	0.84 ug/L	99
104)	1,4-dichlorobenzene	16.94	146	6888	1.02 ug/L	96
105)	1,2-dichlorobenzene	17.37	146	6279	0.99 ug/L	97
106)	n-butylbenzene	17.26	91	8646	0.91 ug/L	97
107)	1,2-dibromo-3-chloropropan	18.20	75	496	0.92 ug/L	87
108)	1,2,4-trichlorobenzene	19.17	180	3484	0.85 ug/L	93
109)	hexachlorobutadiene	19.33	225	2041	0.94 ug/L	90
110)	naphthalene	19.48	128	5612	0.73 ug/L	98
111)	1,2,3-trichlorobenzene	19.76	180	2803	0.86 ug/L	86
112)	hexachloroethane	17.69	119	1501	0.83 ug/L	96
113)	Cyclohexane	10.34	84	3460	0.99 ug/L #	100

329

(#) = qualifier out of range (m) = manual integration

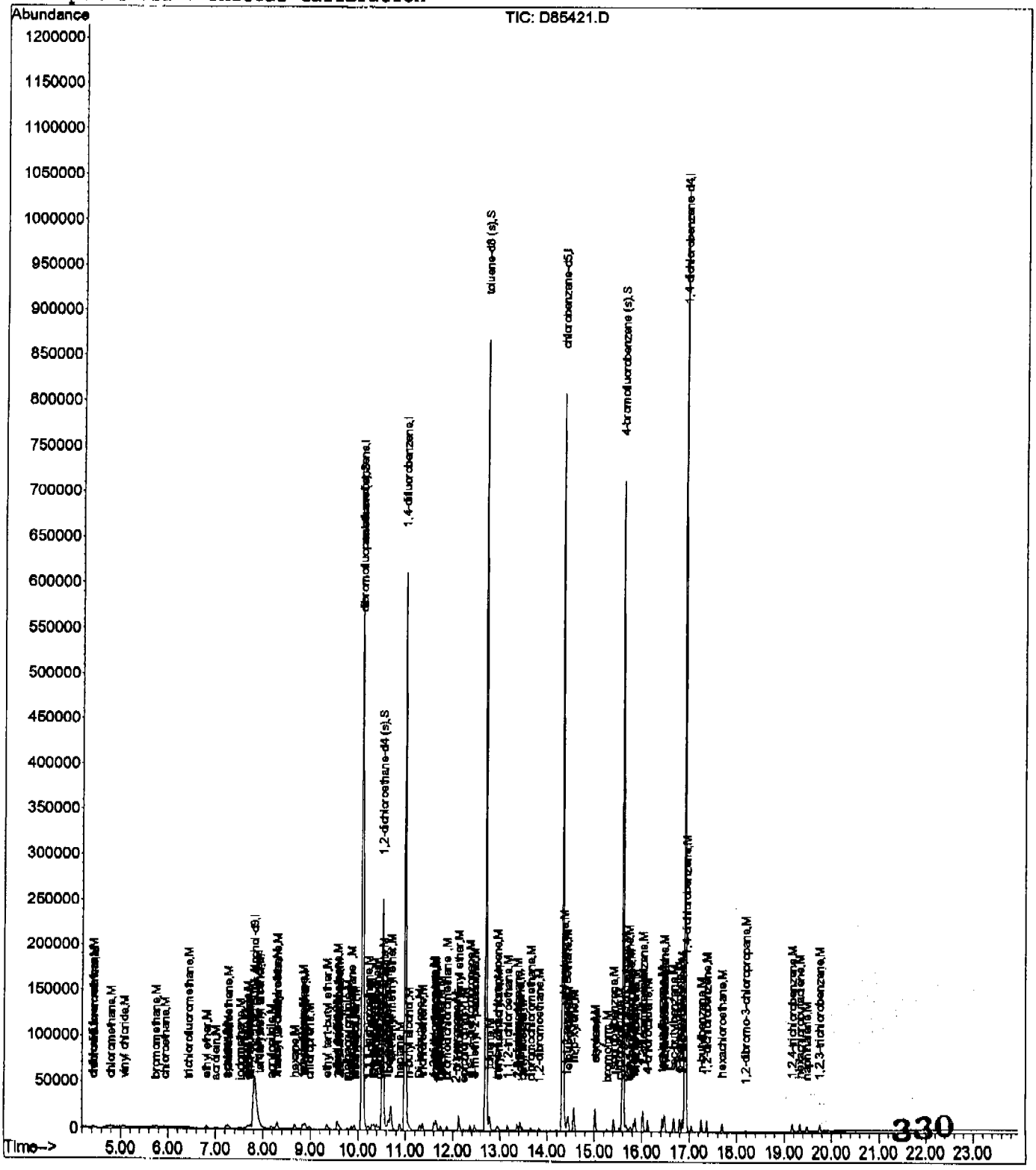
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

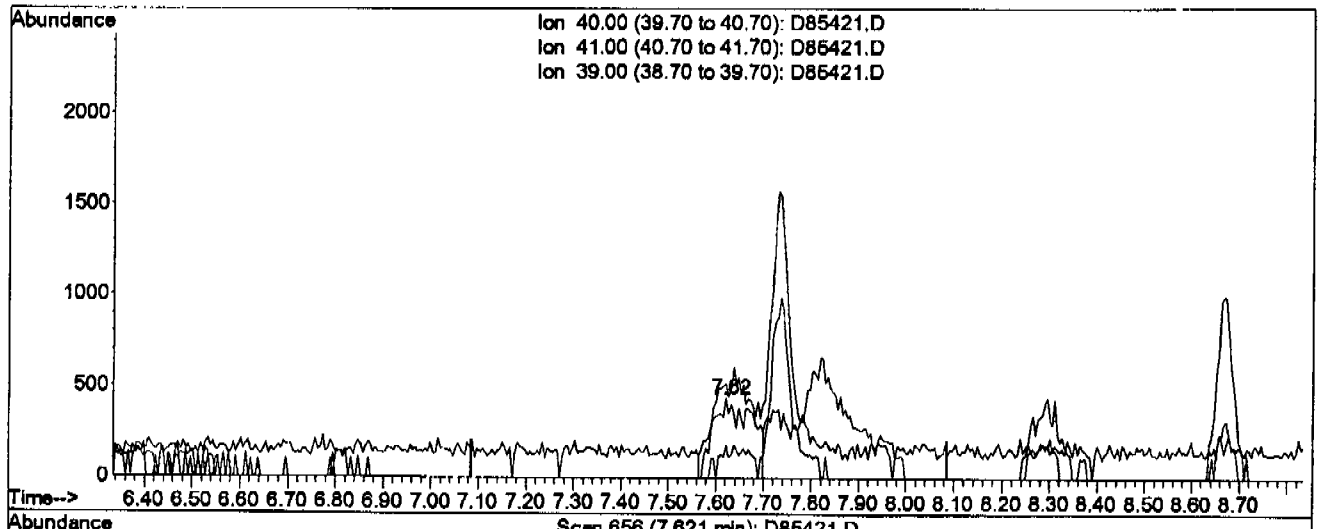


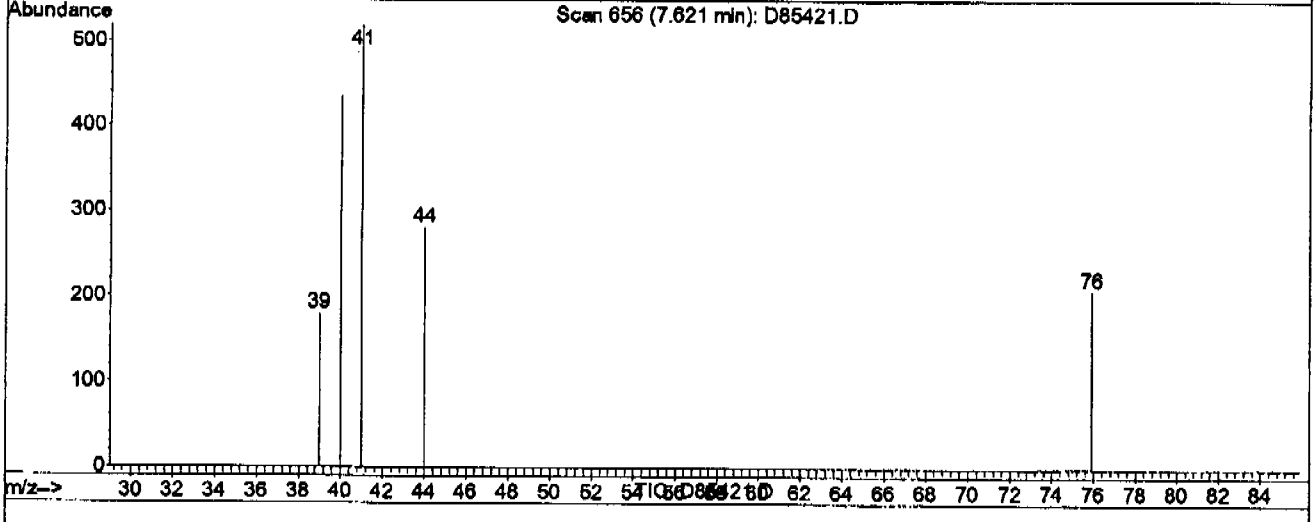
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(16) acetonitrile (M)

7.62min 12.83ug/L m

response 2545

Ion	Exp%	Act%
40.00	100	100
41.00	194.00	119.31#
39.00	36.20	41.38
0.00	0.00	0.00

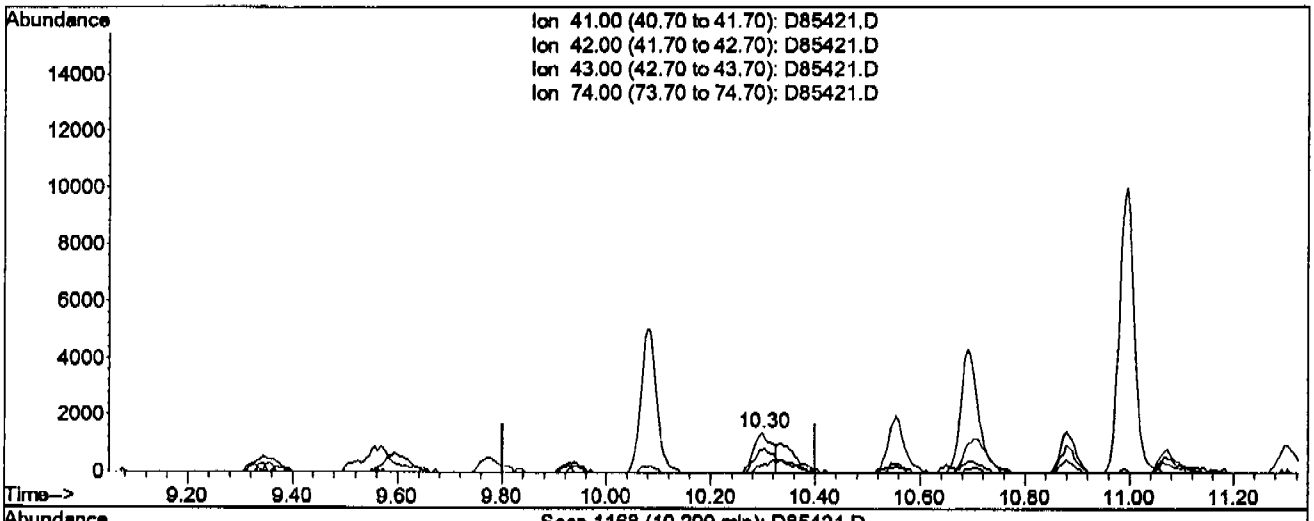
331

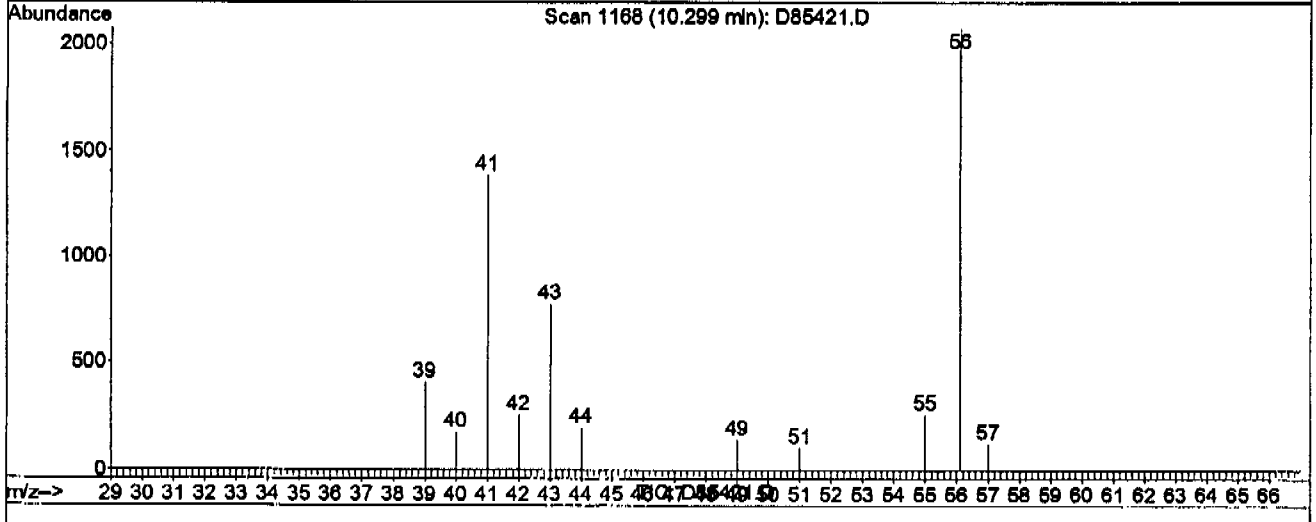
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 8.74ug/L m

response 3372

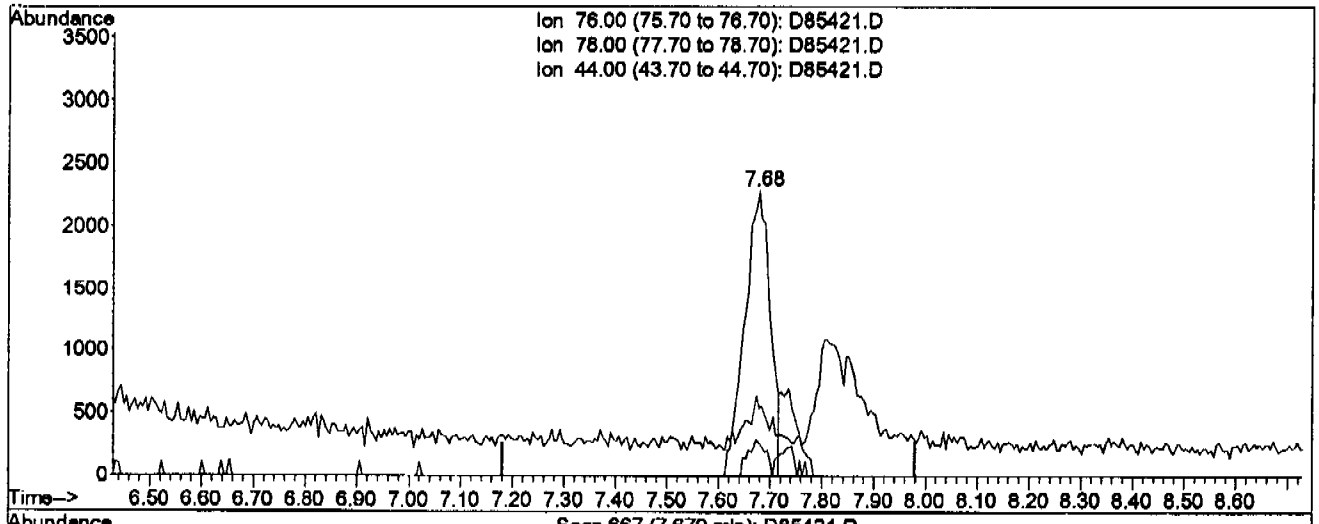
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	18.44
43.00	64.90	56.12
74.00	2.90	0.00

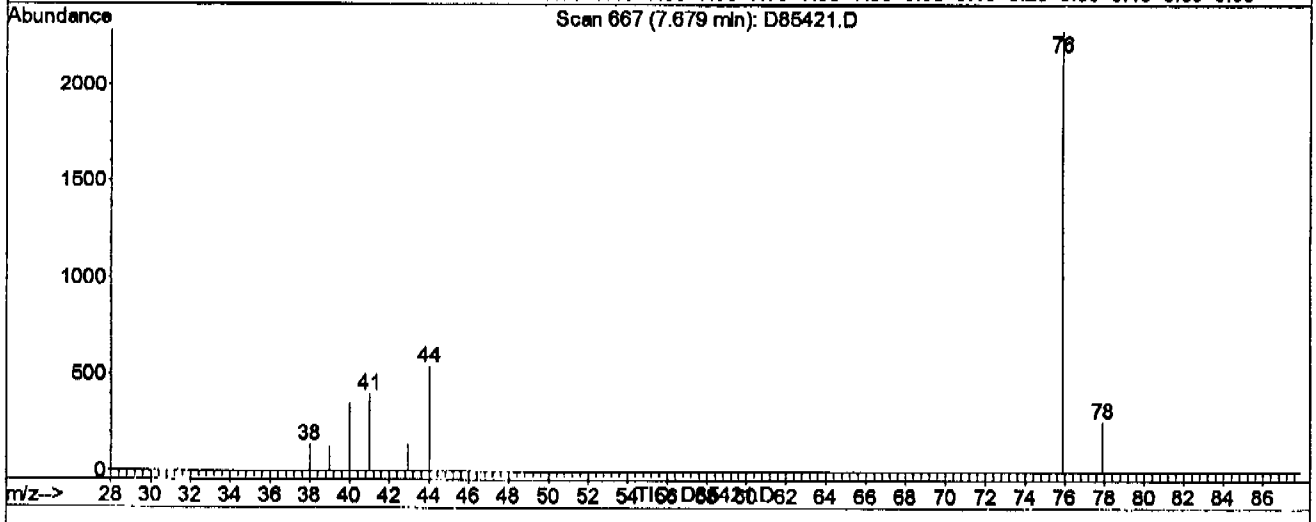
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 1.03ug/L m

response 7831

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	11.21
44.00	12.80	23.65
0.00	0.00	0.00

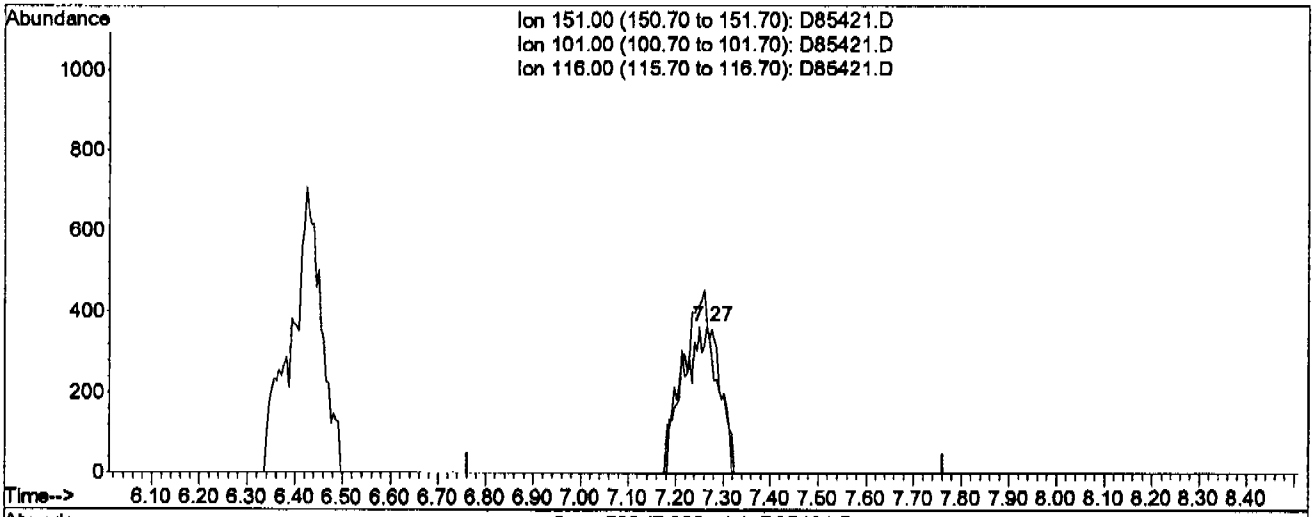
333

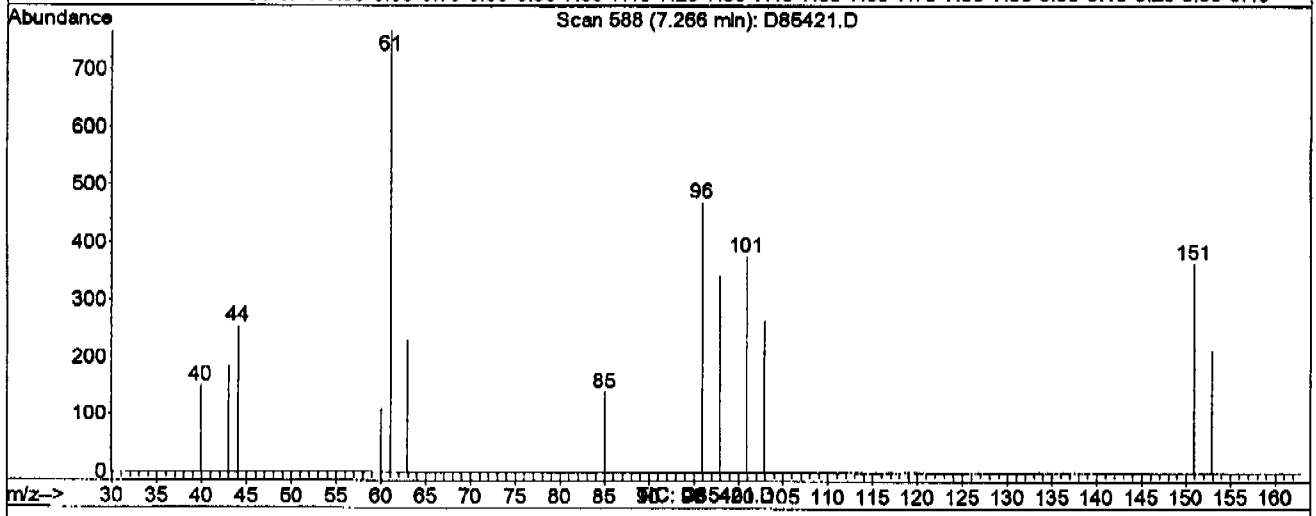
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(40) freon 113 (M)

7.27min 1.17ug/L m

response 1876

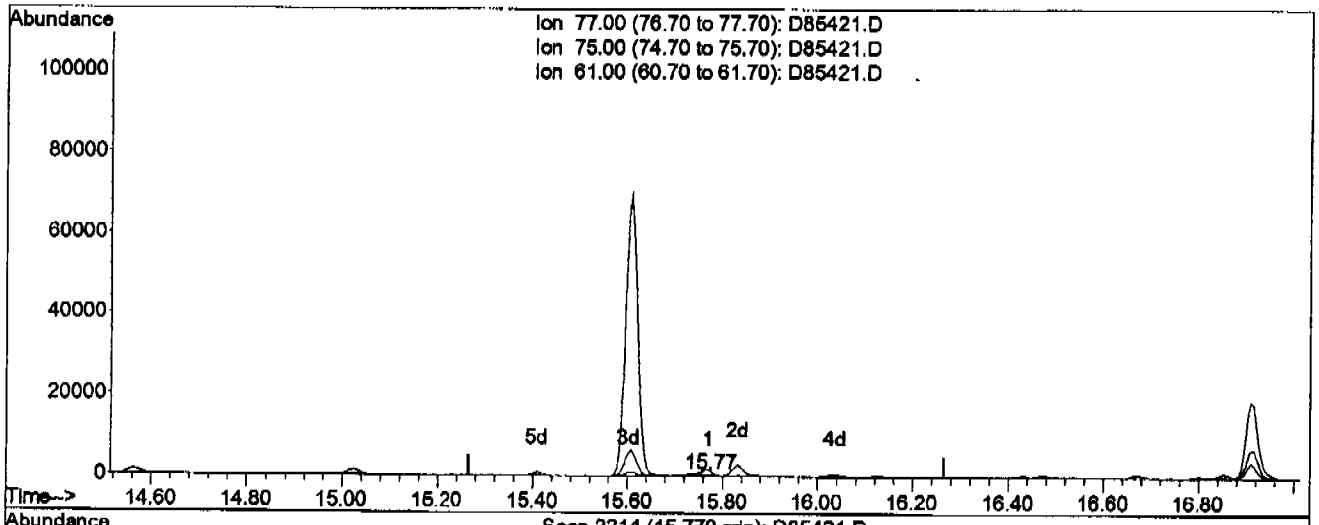
Ion	Exp%	Act%
151.00	100	100
101.00	115.90	103.02
116.00	12.00	0.00
0.00	0.00	0.00

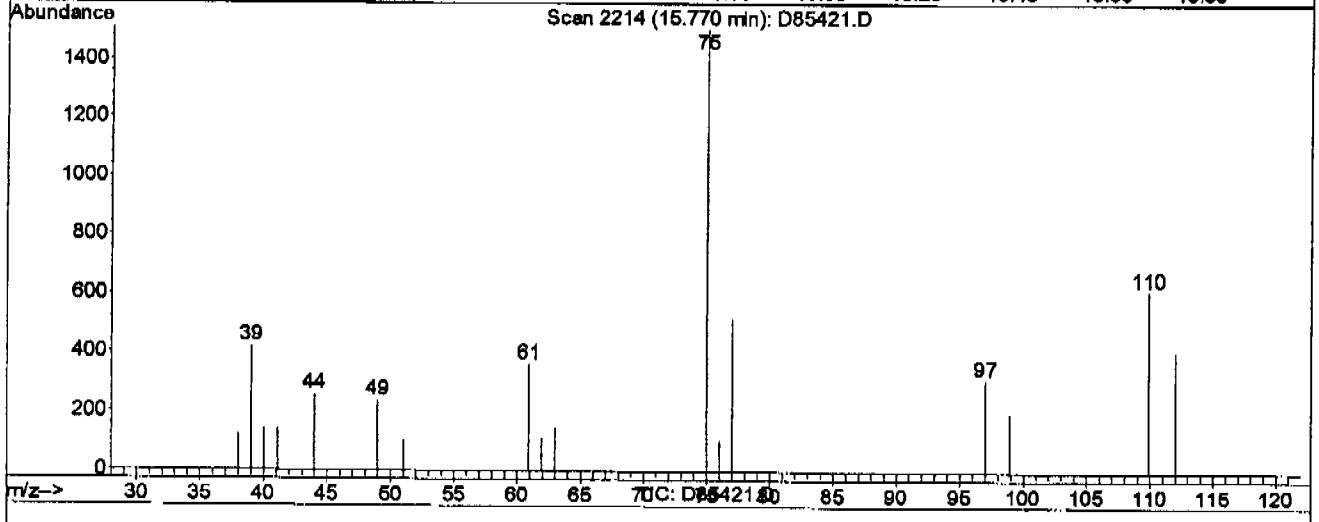
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85421.D
Acq On : 9 Aug 2004 7:43 pm
Sample : IC3408-1
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:38 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(93) 1,2,3-trichloropropane (M)

15.77min 0.92ug/L m

response 833

Ion	Exp%	Act%
77.00	100	100
75.00	320.00	291.30
61.00	82.50	69.83
0.00	0.00	0.00

335

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	175750	500.00 ug/L	0.00
3) pentafluorobenzene	10.08	168	377230	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	544530	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	506401	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	309917	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	163984	50.59 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 101.18%		
39) 1,2-dichloroethane-d4 (s)	10.52	65	196394	51.78 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 103.56%		
65) toluene-d8 (s)	12.71	98	637738	49.54 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 99.08%		
88) 4-bromofluorobenzene (s)	15.61	95	256166	50.23 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 100.46%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	2234	9.26 ug/L	71
4) chlorodifluoromethane	4.44	51	5968	1.99 ug/L	99
5) dichlorodifluoromethane	4.42	85	4329	1.99 ug/L	86
6) chloromethane	4.80	50	5793	2.19 ug/L	89
7) vinyl chloride	5.06	62	5364	2.09 ug/L	95
8) bromomethane	5.76	94	4389	2.45 ug/L	97
9) chloroethane	5.93	64	3518	2.39 ug/L	79
10) trichlorofluoromethane	6.43	101	4973	1.61 ug/L	96
11) ethyl ether	6.81	74	2740	1.89 ug/L	91
12) acrolein	7.00	56	4466	21.74 ug/L	94
13) 1,1-dichloroethene	7.27	96	4307	1.93 ug/L	91
14) acetone	7.22	43	1997	2.23 ug/L	79
15) allyl chloride	7.74	41	8285	1.76 ug/L	94
16) acetonitrile	7.61	40	4042m	20.51 ug/L	
17) iodomethane	7.53	142	7441	1.88 ug/L	89
18) iso-butyl alcohol	10.30	41	7022m	18.32 ug/L	
19) carbon disulfide	7.68	76	14277m	1.89 ug/L	
20) methylene chloride	7.91	84	5417 8/14/04	2.01 ug/L	89
21) methyl acetate	7.71	43	4508	2.29 ug/L	84
22) methyl tert butyl ether	8.29	73	12923	1.97 ug/L	97
23) trans-1,2-dichloroethene	8.30	96	4896	2.02 ug/L	97
24) di-isopropyl ether	8.89	45	13847	1.93 ug/L	99
25) ethyl tert-butyl ether	9.35	59	13406	1.98 ug/L	98
26) 2-butanone	9.52	72	356	1.22 ug/L #	29
27) 1,1-dichloroethane	8.84	63	8648	2.01 ug/L	98
28) chloroprene	8.98	53	4932	1.83 ug/L	96
29) acrylonitrile	8.18	53	9647	9.61 ug/L	97
30) vinyl acetate	8.84	86	560	1.37 ug/L	74
31) ethyl acetate	9.57	45	495	1.88 ug/L	88
32) 2,2-dichloropropane	9.60	77	6427	2.09 ug/L	95
33) cis-1,2-dichloroethene	9.56	96	5288	2.00 ug/L	94
34) propionitrile	9.56	54	7490	19.71 ug/L	98
35) bromochloromethane	9.86	128	2529	1.88 ug/L	94

336

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) tetrahydrofuran	9.94	42	1514	1.96 ug/L	86
37) chloroform	9.92	83	8362	2.00 ug/L	93
40) freon 113	7.23	151	3472	2.18 ug/L #	71
41) methacrylonitrile	9.78	41	2793	1.87 ug/L	85
42) 1,1,1-trichloroethane	10.23	97	7348	2.00 ug/L	92
43) tert-amyl methyl ether	10.71	73	14914	2.15 ug/L	92
45) Di-isobutylene	11.31	57	9534	1.66 ug/L	78
46) epichlorohydrin	12.23	57	3036	9.59 ug/L	94
47) n-butyl alcohol	11.07	56	5713	83.56 ug/L	98
48) carbon tetrachloride	10.45	117	5956	1.89 ug/L	94
49) 1,1-dichloropropene	10.40	75	6013	1.92 ug/L	95
50) hexane	8.67	57	5066	1.81 ug/L	99
51) benzene	10.65	78	19469	2.02 ug/L	99
52) heptane	10.88	57	2717	1.88 ug/L	95
53) isopropyl acetate	10.56	43	8038	1.90 ug/L #	68
54) 1,2-dichloroethane	10.62	62	6650	2.05 ug/L	96
55) trichloroethene	11.36	95	4888	1.98 ug/L	99
56) 2-nitropropane	12.07	43	908	1.55 ug/L	90
57) 2-chloroethyl vinyl ether	12.13	63	14544	9.53 ug/L	98
58) methyl methacrylate	11.62	69	4459	1.79 ug/L	93
59) 1,2-dichloropropane	11.61	63	4899	1.96 ug/L	95
60) methylcyclohexane	11.65	83	7089	1.85 ug/L	92
61) dibromomethane	11.74	93	3116	1.99 ug/L	91
62) 1,4-dioxane	11.71	88	1064	43.19 ug/L	77
63) bromodichloromethane	11.88	83	5738	1.84 ug/L	100
64) cis-1,3-dichloropropene	12.37	75	7415	1.84 ug/L	94
66) 4-methyl-2-pentanone	12.47	43	6399	1.81 ug/L	97
67) toluene	12.79	92	12075	1.95 ug/L	97
68) 3-methyl-1-butanol	12.46	70	1995	30.75 ug/L	85
69) trans-1,3-dichloropropene	12.94	75	6632	1.79 ug/L	94
70) ethyl methacrylate	12.97	69	5044	1.62 ug/L	92
71) 1,1,2-trichloroethane	13.17	83	3750	1.96 ug/L	96
72) 2-hexanone	13.38	43	2720	1.76 ug/L	93
74) tetrachloroethene	13.44	166	6043	2.01 ug/L	96
75) 1,3-dichloropropane	13.37	76	7817	2.00 ug/L	95
76) butyl acetate	13.48	56	2750	1.78 ug/L	92
77) dibromochloromethane	13.66	129	4158	1.72 ug/L	92
78) 1,2-dibromoethane	13.83	107	4429	1.94 ug/L	96
79) chlorobenzene	14.37	112	14444	1.99 ug/L	99
80) 1,1,1,2-tetrachloroethane	14.42	131	4882	1.92 ug/L	93
81) ethylbenzene	14.45	91	21781	1.93 ug/L	99
82) m,p-xylene	14.57	106	17530	3.92 ug/L	99
83) o-xylene	15.03	106	8375	1.86 ug/L	87
84) styrene	15.03	104	12175	1.73 ug/L	94
85) bromoform	15.28	173	2801	1.64 ug/L	97
87) isopropylbenzene	15.42	105	19146	1.82 ug/L	98
89) bromobenzene	15.83	156	6251	1.89 ug/L	99
90) cyclohexanone	15.54	55	4974	2.51 ug/L	96
91) 1,1,2,2-tetrachloroethane	15.68	83	6208	1.96 ug/L	99

337

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	1495	1.76 ug/L	82
93)	1,2,3-trichloropropane	15.77	77	1650m	1.81 ug/L	
94)	n-propylbenzene	15.87	91	25831	1.91 ug/L	99
95)	2-chlorotoluene	16.02	91	18432	1.95 ug/L	99
96)	4-chlorotoluene	16.12	91	16698	1.93 ug/L	93
97)	1,3,5-trimethylbenzene	16.04	105	17730	1.84 ug/L	99
98)	tert-butylbenzene	16.43	91	9824m	1.78 ug/L	
99)	pentachloroethane	16.49	167	3268	1.70 ug/L	87
100)	1,2,4-trimethylbenzene	16.47	105	18439	1.84 ug/L	100
101)	sec-butylbenzene	16.67	105	23103	1.83 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	12649	1.93 ug/L	97
103)	p-isopropyltoluene	16.80	119	19561	1.80 ug/L	96
104)	1,4-dichlorobenzene	16.94	146	13469	1.96 ug/L	96
105)	1,2-dichlorobenzene	17.37	146	12270	1.92 ug/L	100
106)	n-butylbenzene	17.26	91	17450	1.81 ug/L	98
107)	1,2-dibromo-3-chloropropan	18.19	75	946	1.74 ug/L	91
108)	1,2,4-trichlorobenzene	19.17	180	7490	1.81 ug/L	96
109)	hexachlorobutadiene	19.33	225	4205	1.92 ug/L	97
110)	naphthalene	19.48	128	12741	1.64 ug/L	97
111)	1,2,3-trichlorobenzene	19.76	180	5851	1.78 ug/L	98
112)	hexachloroethane	17.70	119	2940	1.61 ug/L	98
113)	Cyclohexane	10.34	84	6996	1.97 ug/L #	100

338

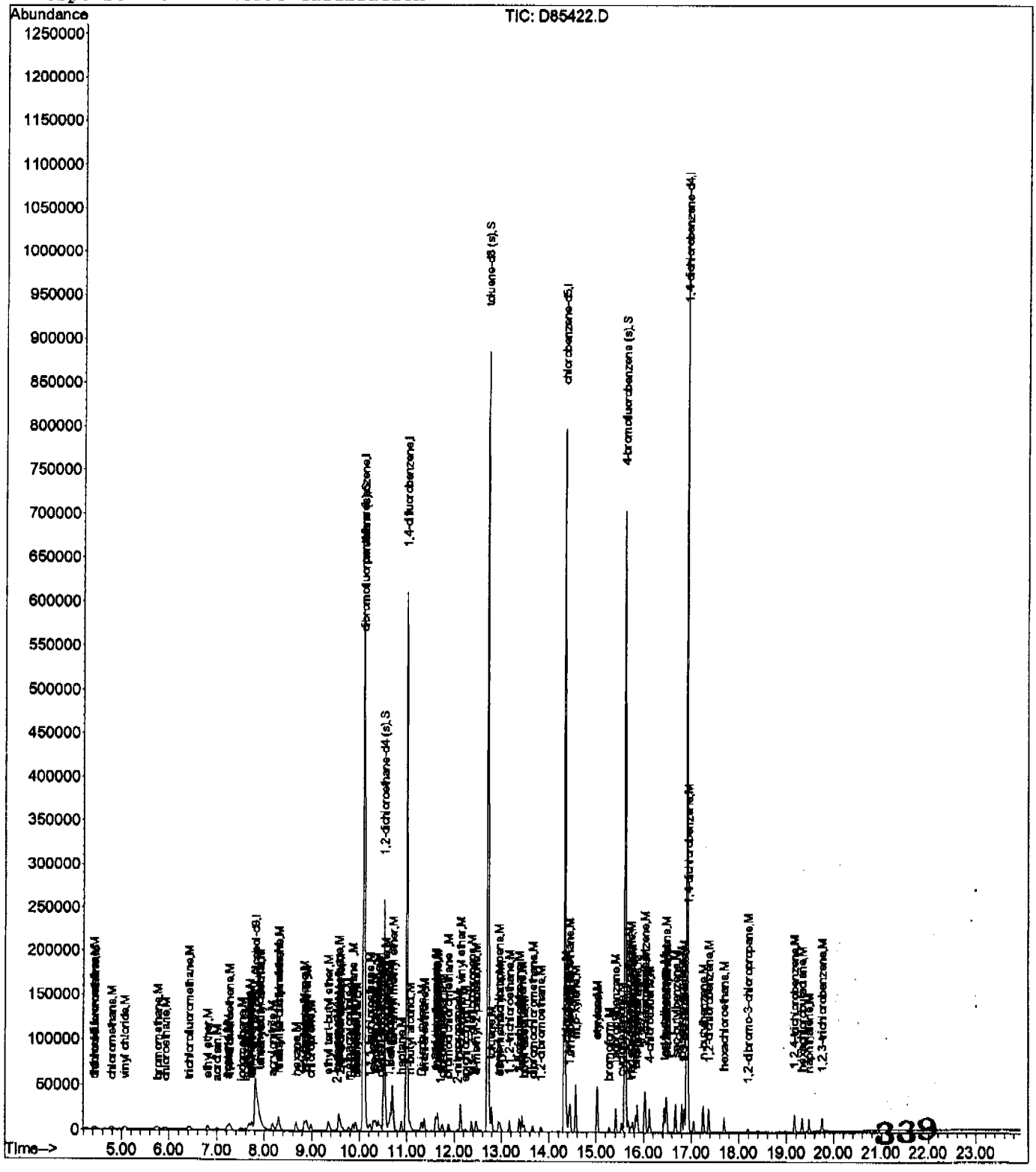
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

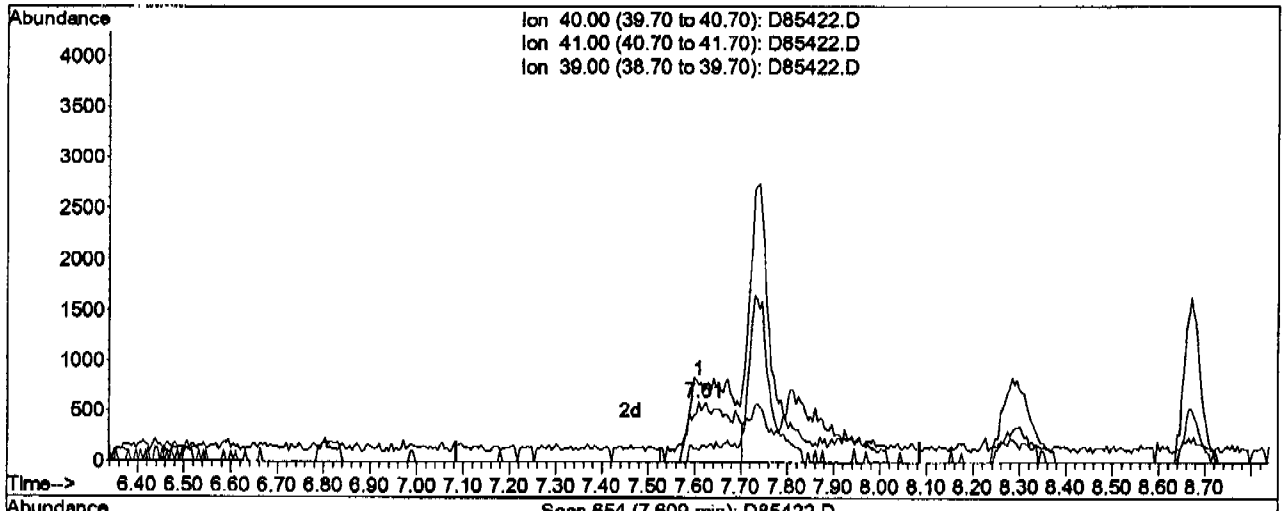


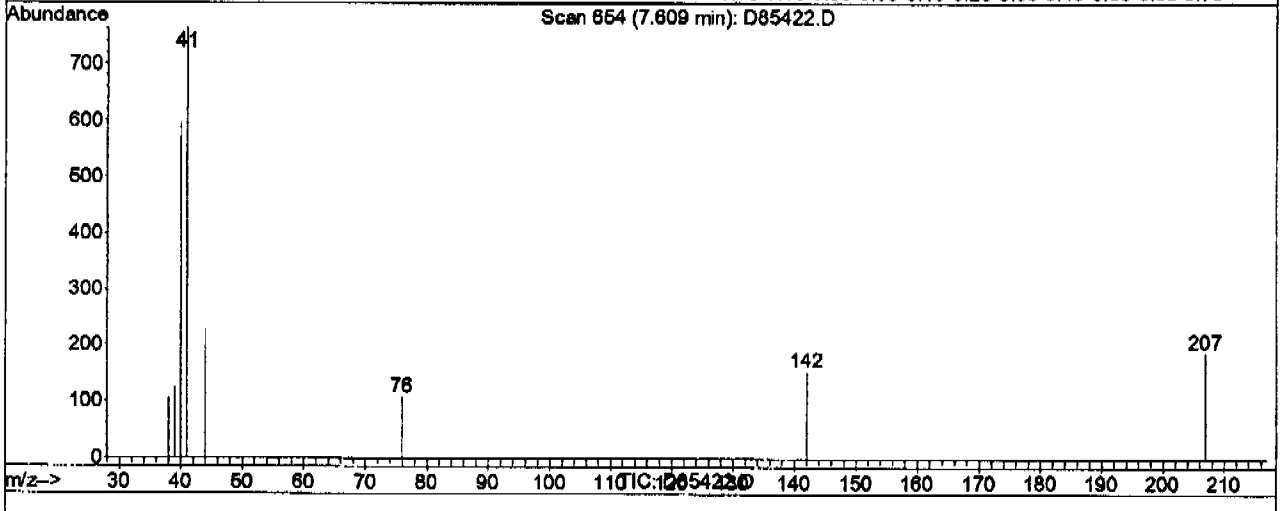
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(16) acetonitrile (M)

7.61min 20.51ug/L m

response 4042

Ion	Exp%	Act%
40.00	100	100
41.00	194.00	127.85#
39.00	36.20	20.64
0.00	0.00	0.00

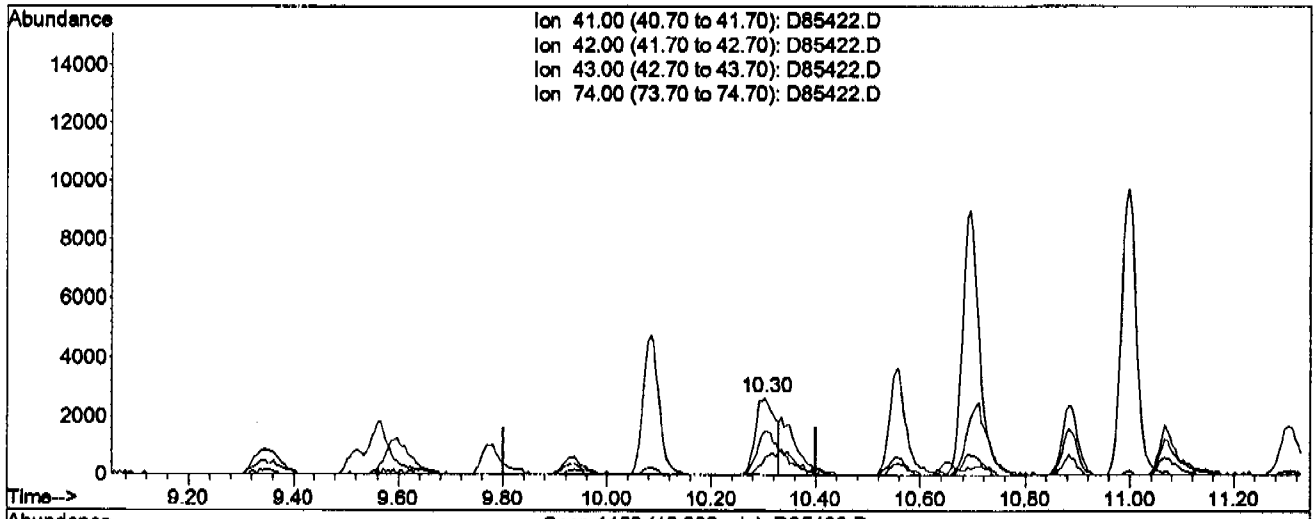
D85422.D MD3408.M Tue Aug 10 09:51:10 2004 MSD

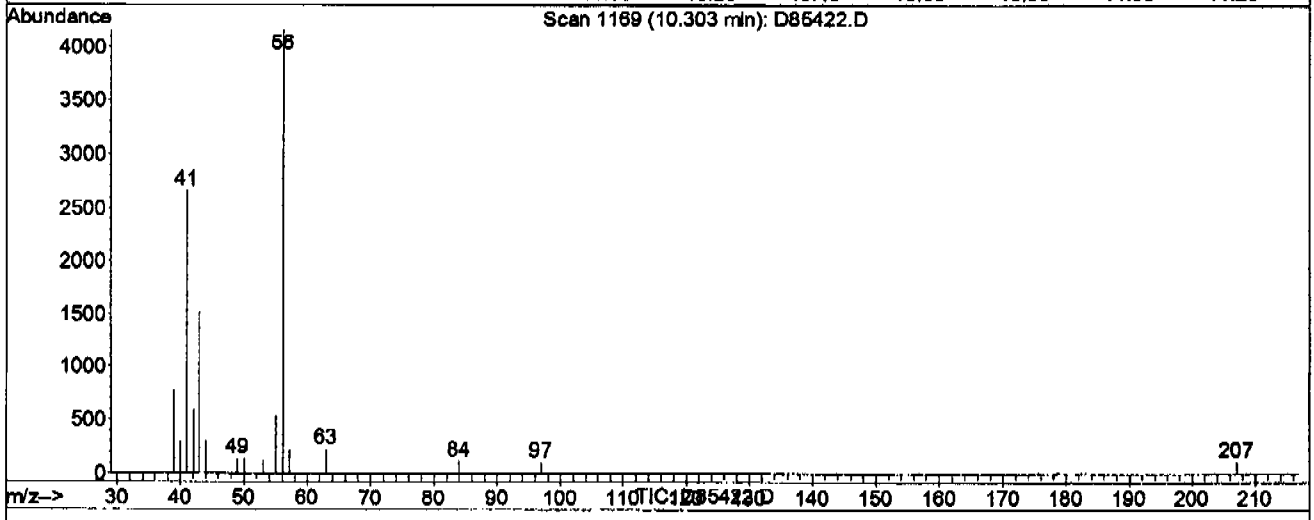
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) Iso-butyl alcohol (M)

10.30min 18.32ug/L m

response 7022

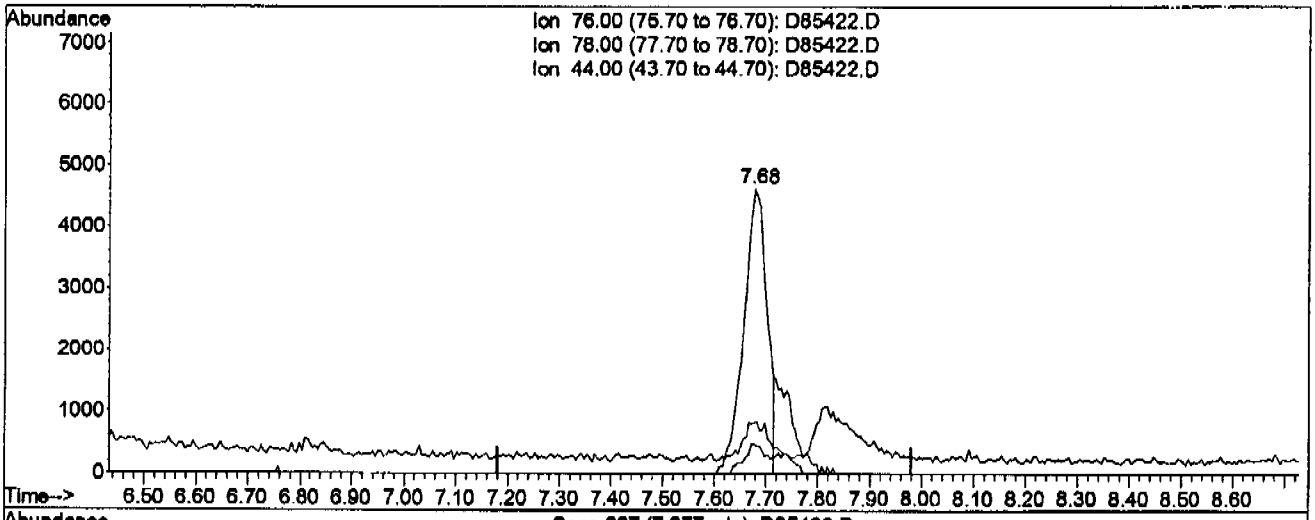
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	22.02
43.00	64.90	57.05
74.00	2.90	0.00

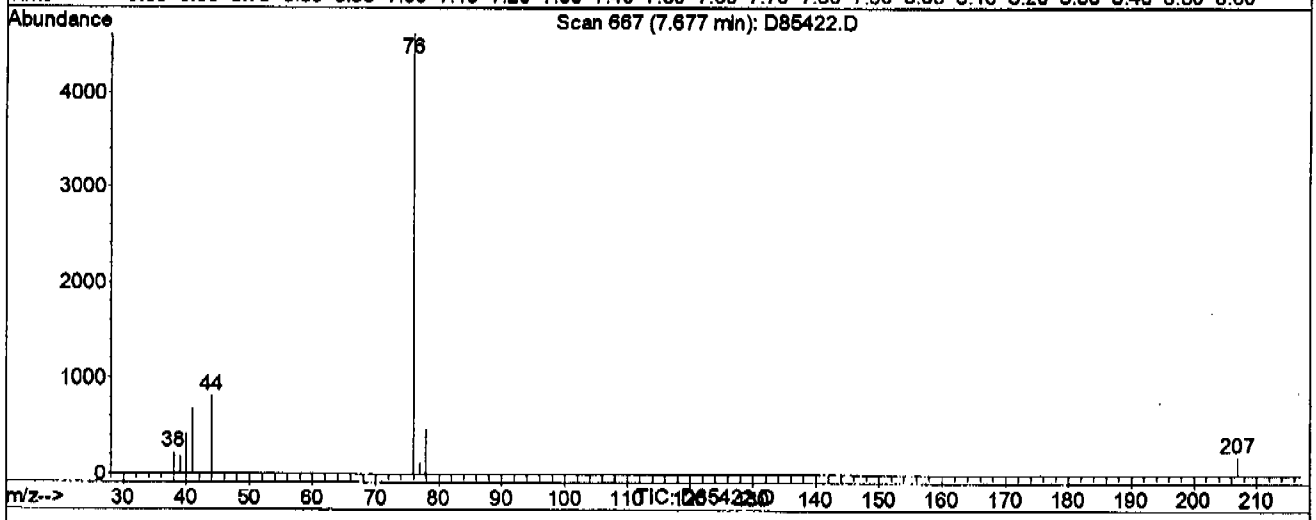
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 1.89ug/L m

response 14277

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	10.20
44.00	12.80	17.67
0.00	0.00	0.00

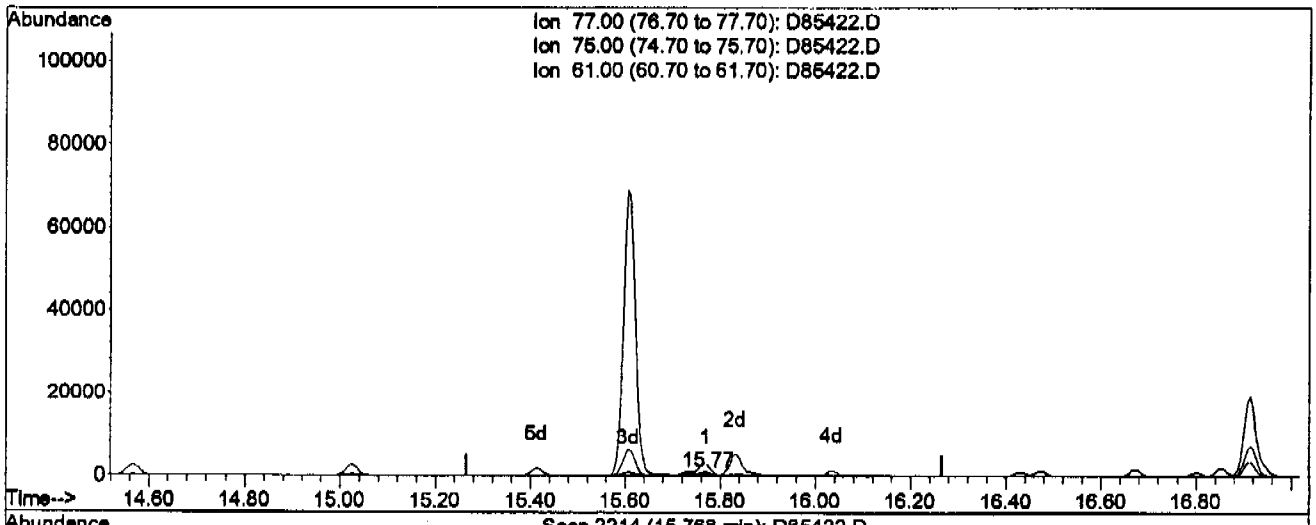
342

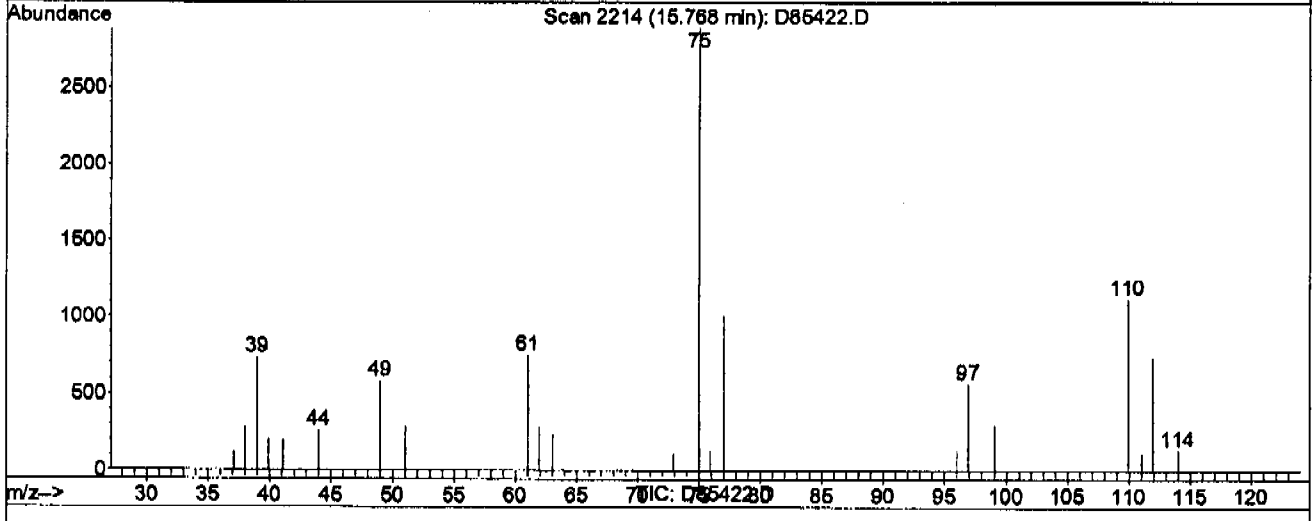
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(93) 1,2,3-trichloropropane (M)

15.77min 1.81ug/L m

response 1650

Ion	Exp%	Act%
77.00	100	100
75.00	320.00	286.71#
61.00	82.60	74.11
0.00	0.00	0.00

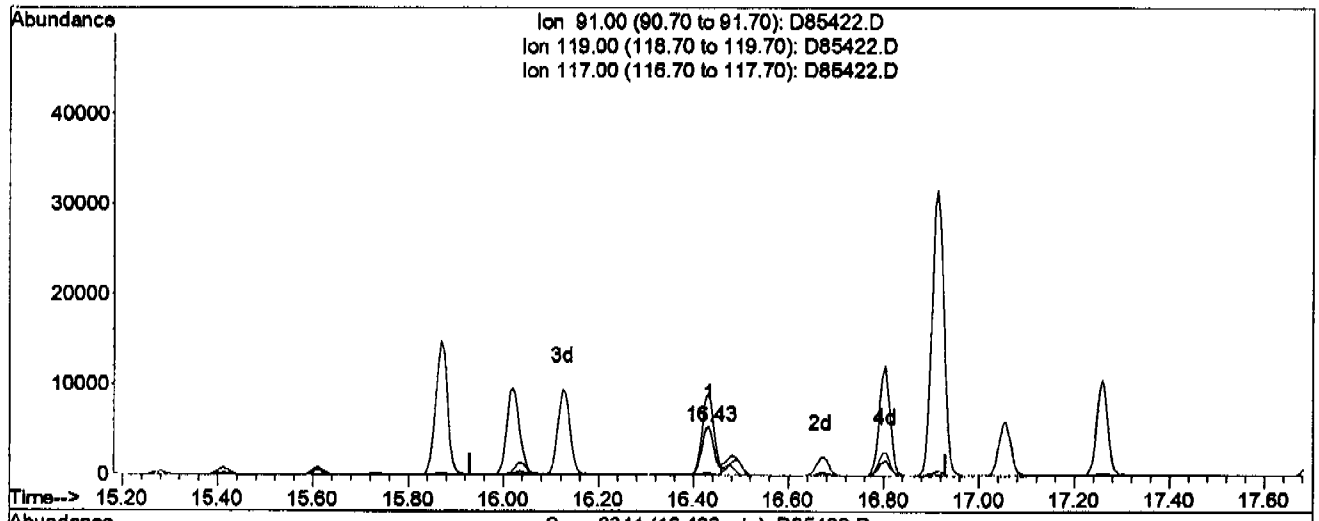
343

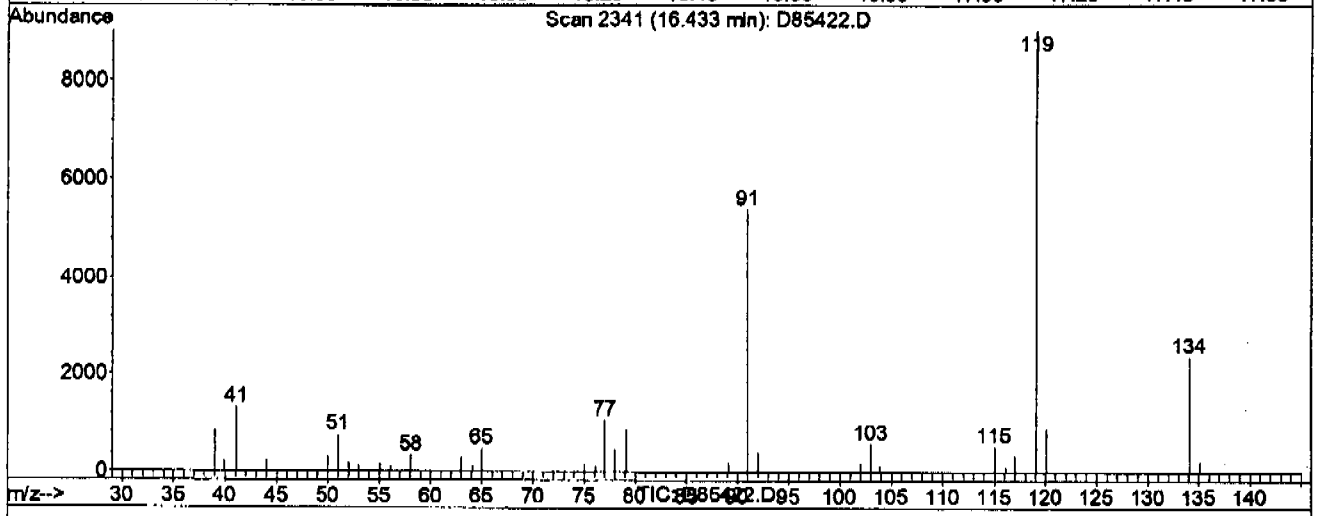
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85422.D
Acq On : 9 Aug 2004 8:13 pm
Sample : IC3408-2
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:25 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 1.78ug/L m

response 9824

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	167.66
117.00	5.60	6.16
0.00	0.00	0.00

344

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	170965	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	391997	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	566479	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	528116	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	325305	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	169328	50.27 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 100.54%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	201044	51.01 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 102.02%		
65) toluene-d8 (s)	12.71	98	664265	49.60 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 99.20%		
88) 4-bromofluorobenzene (s)	15.61	95	269003	50.25 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 100.50%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.94	59	5857	24.95 ug/L	92
4) chlorodifluoromethane	4.43	51	15993	5.12 ug/L	95
5) dichlorodifluoromethane	4.41	85	11638	5.14 ug/L	94
6) chloromethane	4.79	50	14456	5.27 ug/L	99
7) vinyl chloride	5.07	62	13547	5.07 ug/L	99
8) bromomethane	5.75	94	10258	5.52 ug/L	98
9) chloroethane	5.94	64	8714	5.69 ug/L	97
10) trichlorofluoromethane	6.43	101	16847	5.25 ug/L	97
11) ethyl ether	6.81	74	7359	4.89 ug/L	99
12) acrolein	7.00	56	11640	54.52 ug/L	97
13) 1,1-dichloroethene	7.27	96	11537	4.99 ug/L	90
14) acetone	7.22	43	4412	4.74 ug/L	90
15) allyl chloride	7.74	41	26587	5.44 ug/L	90
16) acetonitrile	7.61	40	8198m	40.04 ug/L	
17) iodomethane	7.52	142	20315	4.94 ug/L	99
18) iso-butyl alcohol	10.30	41	17980m	45.15 ug/L	
19) carbon disulfide	7.68	76	38257m	4.88 ug/L	
20) methylene chloride	7.90	84	14107	5.04 ug/L	98
21) methyl acetate	7.71	43	11006	5.39 ug/L	90
22) methyl tert butyl ether	8.29	73	32990	4.85 ug/L	96
23) trans-1,2-dichloroethene	8.30	96	12636	5.02 ug/L	94
24) di-isopropyl ether	8.88	45	36890	4.96 ug/L	92
25) ethyl tert-butyl ether	9.34	59	34568	4.90 ug/L	99
26) 2-butanone	9.52	72	1490	4.90 ug/L	92
27) 1,1-dichloroethane	8.84	63	23074	5.15 ug/L	99
28) chloroprene	8.98	53	13583	4.84 ug/L	99
29) acrylonitrile	8.17	53	25908	24.85 ug/L	93
30) vinyl acetate	8.83	86	2093	4.93 ug/L #	92
31) ethyl acetate	9.56	45	1569	5.72 ug/L	58
32) 2,2-dichloropropane	9.60	77	16658	5.22 ug/L	99
33) cis-1,2-dichloroethene	9.56	96	13943	5.07 ug/L	95
34) propionitrile	9.55	54	20053	50.79 ug/L	98
35) bromochloromethane	9.86	128	6735	4.82 ug/L	98

345

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	tetrahydrofuran	9.93	42	3724	4.63 ug/L	95
37)	chloroform	9.91	83	22236	5.11 ug/L	96
40)	freon 113	7.26	151	9210	5.56 ug/L	94
41)	methacrylonitrile	9.77	41	7603	4.89 ug/L	91
42)	1,1,1-trichloroethane	10.22	97	19262	5.04 ug/L	96
43)	tert-amyl methyl ether	10.71	73	37904	5.27 ug/L	92
45)	Di-isobutylene	11.31	57	28930	4.85 ug/L	83
46)	epichlorohydrin	12.23	57	7972	24.20 ug/L	95
47)	n-butyl alcohol	11.07	56	16545	232.63 ug/L	97
48)	carbon tetrachloride	10.44	117	16581	5.05 ug/L	98
49)	1,1-dichloropropene	10.40	75	16355	5.01 ug/L	97
50)	hexane	8.67	57	13765	4.72 ug/L	96
51)	benzene	10.65	78	50981	5.08 ug/L	99
52)	heptane	10.89	57	7402	4.91 ug/L	97
53)	isopropyl acetate	10.55	43	21504	4.89 ug/L	80
54)	1,2-dichloroethane	10.62	62	17099	5.07 ug/L	100
55)	trichloroethene	11.36	95	12992	5.06 ug/L	94
56)	2-nitropropane	12.07	43	2367	3.89 ug/L	91
57)	2-chloroethyl vinyl ether	12.13	63	40649	25.60 ug/L	98
58)	methyl methacrylate	11.61	69	12060	4.65 ug/L	90
59)	1,2-dichloropropane	11.60	63	13141	5.06 ug/L	94
60)	methylcyclohexane	11.65	83	19533	4.91 ug/L	94
61)	dibromomethane	11.75	93	8238	5.07 ug/L	93
62)	1,4-dioxane	11.71	88	3353	130.85 ug/L	90
63)	bromodichloromethane	11.88	83	15838	4.89 ug/L	98
64)	cis-1,3-dichloropropene	12.37	75	20471	4.88 ug/L	97
66)	4-methyl-2-pentanone	12.47	43	17529	4.77 ug/L	99
67)	toluene	12.79	92	32123	4.99 ug/L	99
68)	3-methyl-1-butanol	12.46	70	5904	87.48 ug/L	84
69)	trans-1,3-dichloropropene	12.94	75	18631	4.82 ug/L	95
70)	ethyl methacrylate	12.97	69	15225	4.69 ug/L	98
71)	1,1,2-trichloroethane	13.17	83	9958	5.00 ug/L	96
72)	2-hexanone	13.38	43	7546	4.69 ug/L	99
74)	tetrachloroethene	13.43	166	16014	5.10 ug/L	98
75)	1,3-dichloropropane	13.38	76	20424	5.00 ug/L	97
76)	butyl acetate	13.48	56	7787	4.84 ug/L	90
77)	dibromochloromethane	13.66	129	11788	4.69 ug/L	97
78)	1,2-dibromoethane	13.83	107	11660	4.89 ug/L	99
79)	chlorobenzene	14.37	112	37300	4.93 ug/L	91
80)	1,1,1,2-tetrachloroethane	14.42	131	13133	4.95 ug/L	97
81)	ethylbenzene	14.45	91	58868	5.00 ug/L	99
82)	m,p-xylene	14.56	106	47405	10.16 ug/L	97
83)	o-xylene	15.02	106	23741	5.06 ug/L	98
84)	styrene	15.02	104	36570	4.99 ug/L	99
85)	bromoform	15.28	173	7884	4.42 ug/L	95
87)	isopropylbenzene	15.41	105	54026	4.89 ug/L	100
89)	bromobenzene	15.84	156	16939	4.88 ug/L	99
90)	cyclohexanone	15.54	55	10087	4.84 ug/L	98
91)	1,1,2,2-tetrachloroethane	15.68	83	16171	4.87 ug/L	99

346

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	4040	4.54 ug/L	83
93)	1,2,3-trichloropropane	15.77	77	4708	4.91 ug/L	93
94)	n-propylbenzene	15.87	91	71448	5.04 ug/L	98
95)	2-chlorotoluene	16.02	91	49956	5.04 ug/L	99
96)	4-chlorotoluene	16.13	91	46139	5.07 ug/L	97
97)	1,3,5-trimethylbenzene	16.03	105	50738	5.03 ug/L	99
98)	tert-butylbenzene	16.43	91	28673m	4.95 ug/L	
99)	pentachloroethane	16.49	167	9374	4.64 ug/L	86
100)	1,2,4-trimethylbenzene	16.47	105	52922	5.02 ug/L	99
101)	sec-butylbenzene	16.67	105	65371	4.93 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	34164	4.97 ug/L	100
103)	p-isopropyltoluene	16.80	119	56027	4.92 ug/L	100
104)	1,4-dichlorobenzene	16.94	146	35778	4.97 ug/L	94
105)	1,2-dichlorobenzene	17.37	146	32981	4.91 ug/L	99
106)	n-butylbenzene	17.26	91	50064	4.95 ug/L	98
107)	1,2-dibromo-3-chloropropan	18.19	75	2577	4.51 ug/L	92
108)	1,2,4-trichlorobenzene	19.17	180	20975	4.83 ug/L	99
109)	hexachlorobutadiene	19.33	225	11311	4.92 ug/L	96
110)	naphthalene	19.48	128	37699	4.62 ug/L	98
111)	1,2,3-trichlorobenzene	19.76	180	16612	4.80 ug/L	97
112)	hexachloroethane	17.70	119	8507	4.44 ug/L	98
113)	Cyclohexane	10.34	84	18314	4.92 ug/L #	100

347

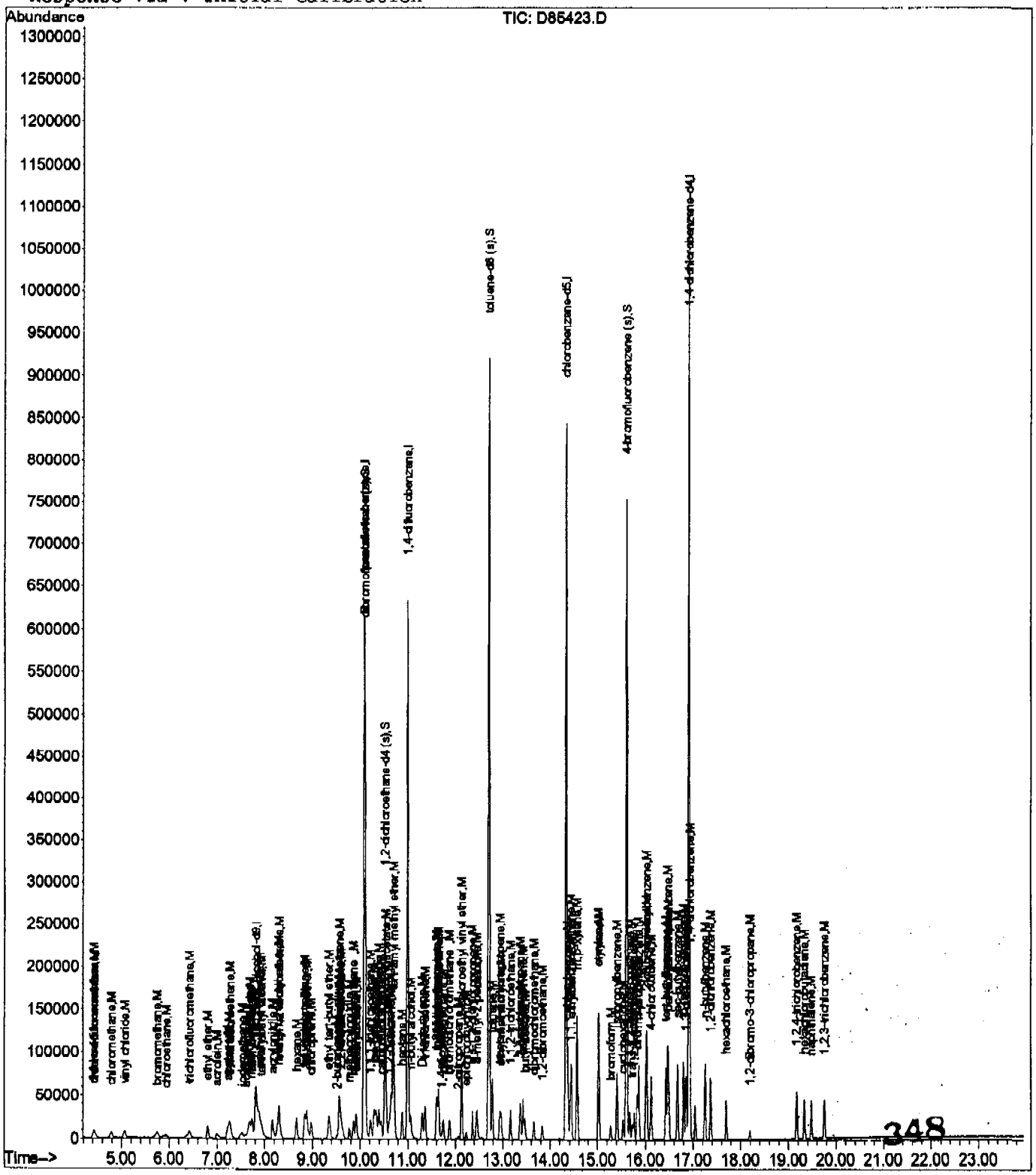
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

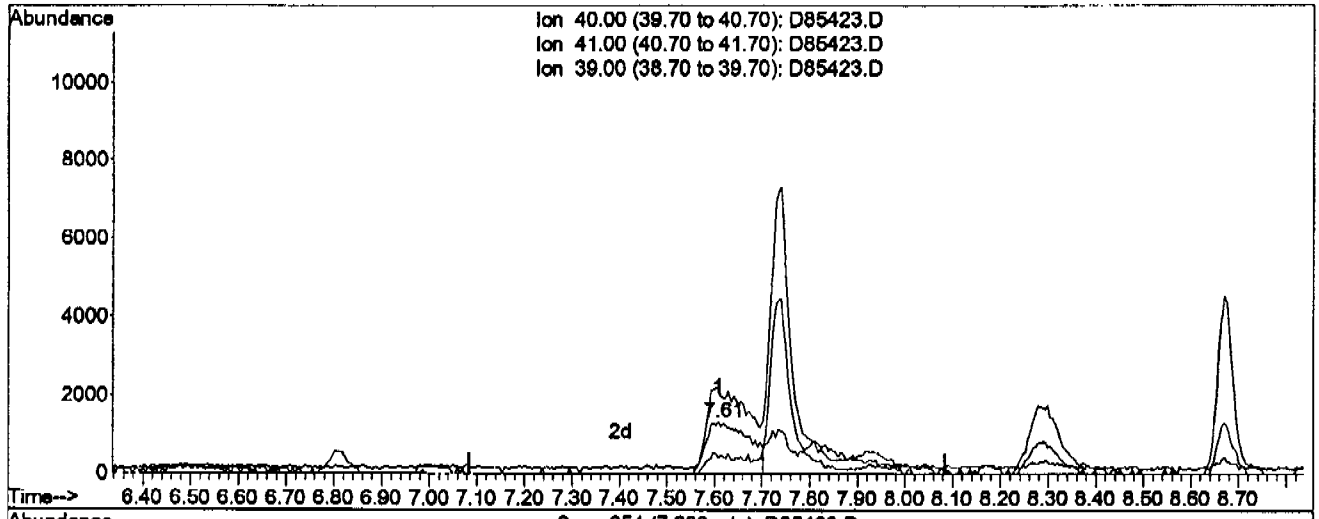


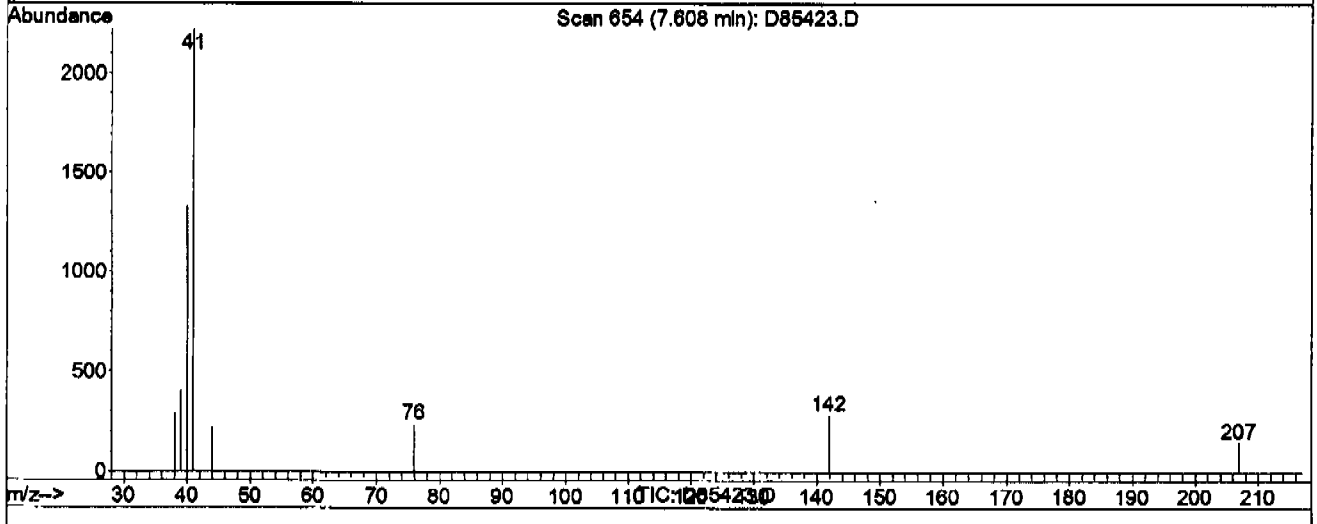
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(16) acetonitrile (M)

7.61min 40.04ug/L m

response 8198

Ion	Exp%	Act%
40.00	100	100
41.00	194.00	166.59
39.00	36.20	30.33
0.00	0.00	0.00

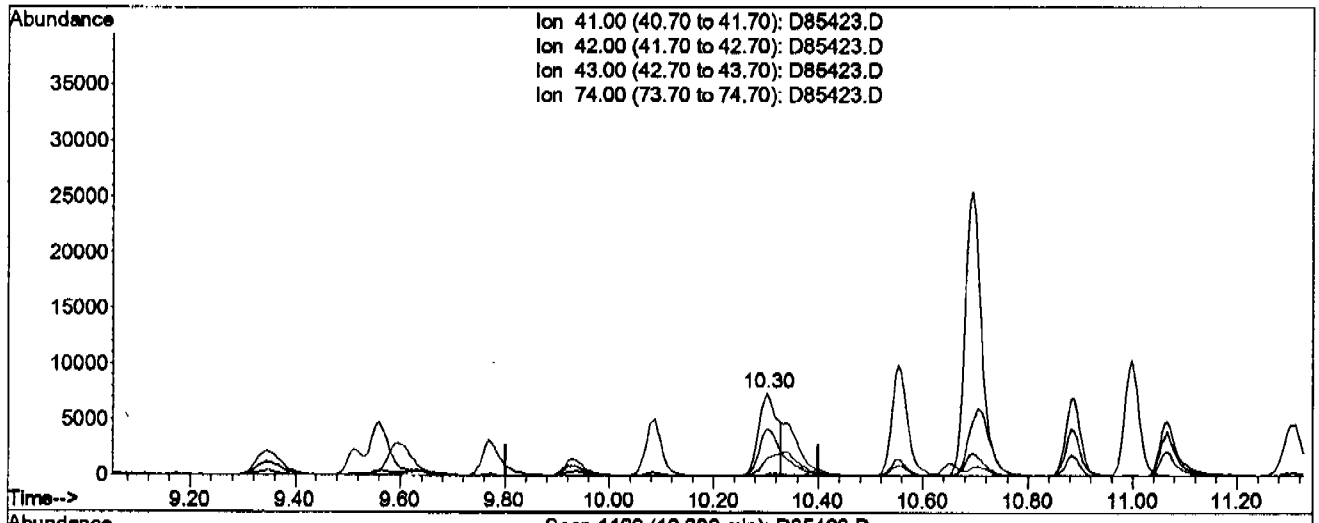
349

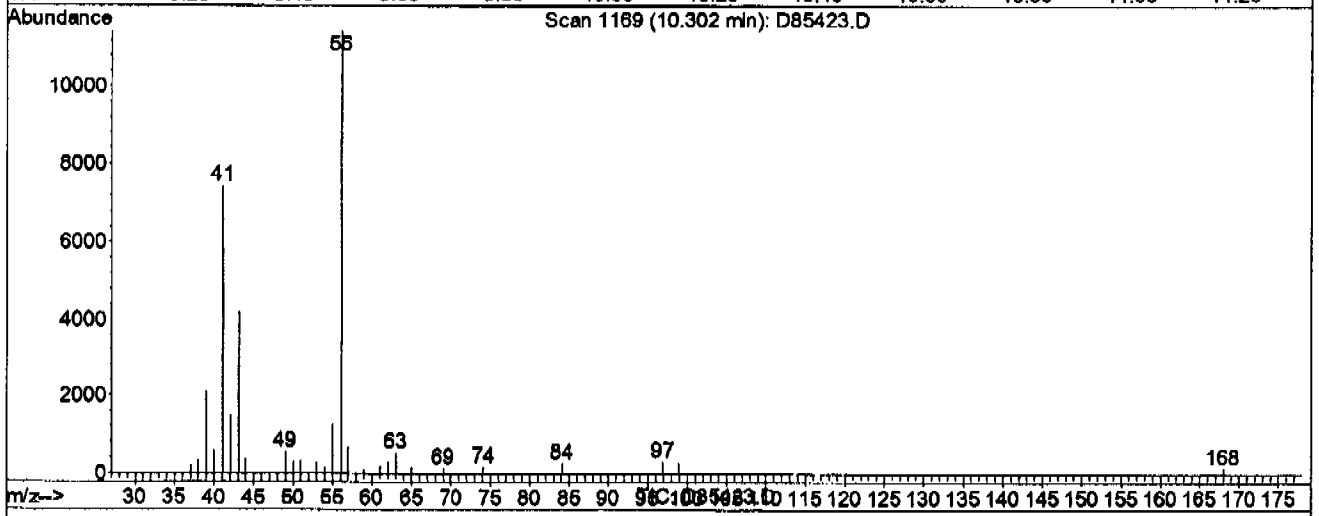
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) Iso-butyl alcohol (M)

10.30min 45.15ug/L m

response 17980

Ion	Exp%	Act%
41.00	100	100
42.00	23.60	20.03
43.00	64.90	56.50
74.00	2.90	2.14

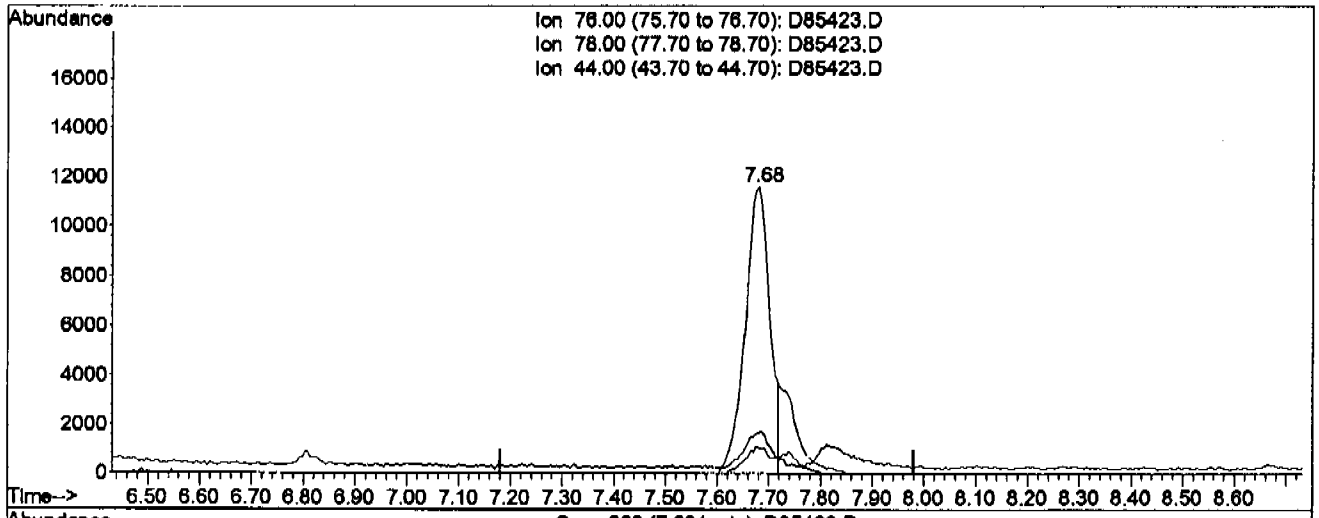
350

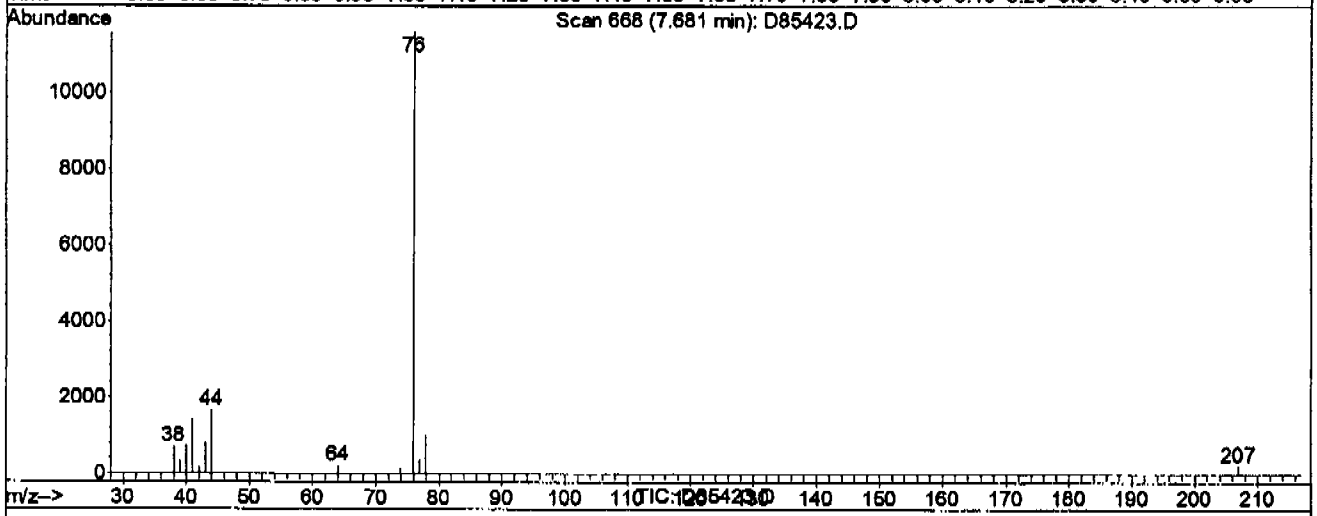
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 4.88ug/L m

response 38257

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	8.92
44.00	12.80	14.35
0.00	0.00	0.00

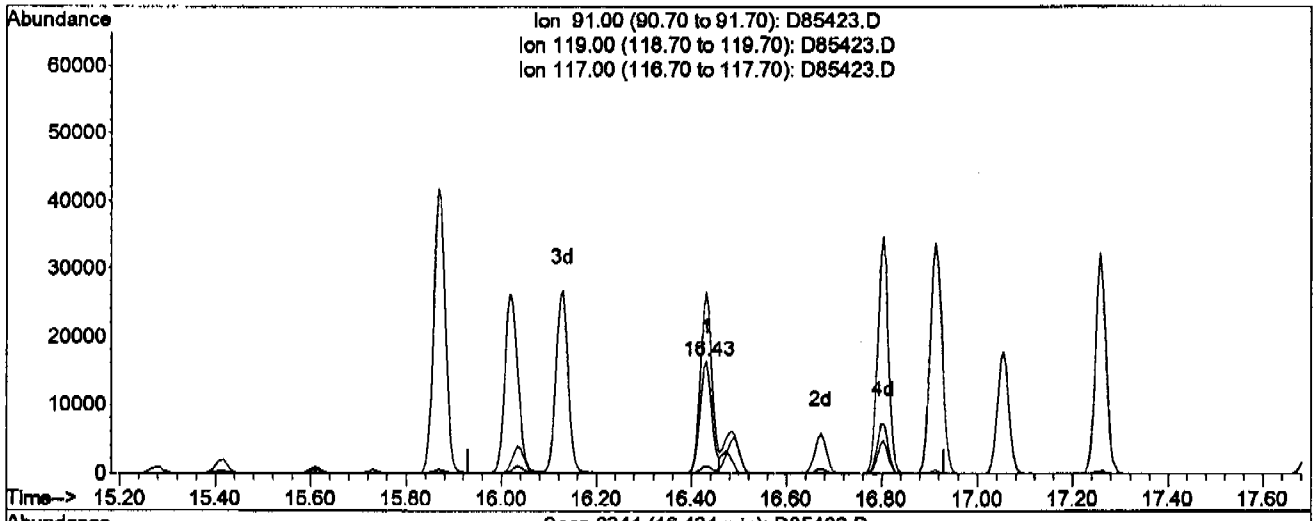
351

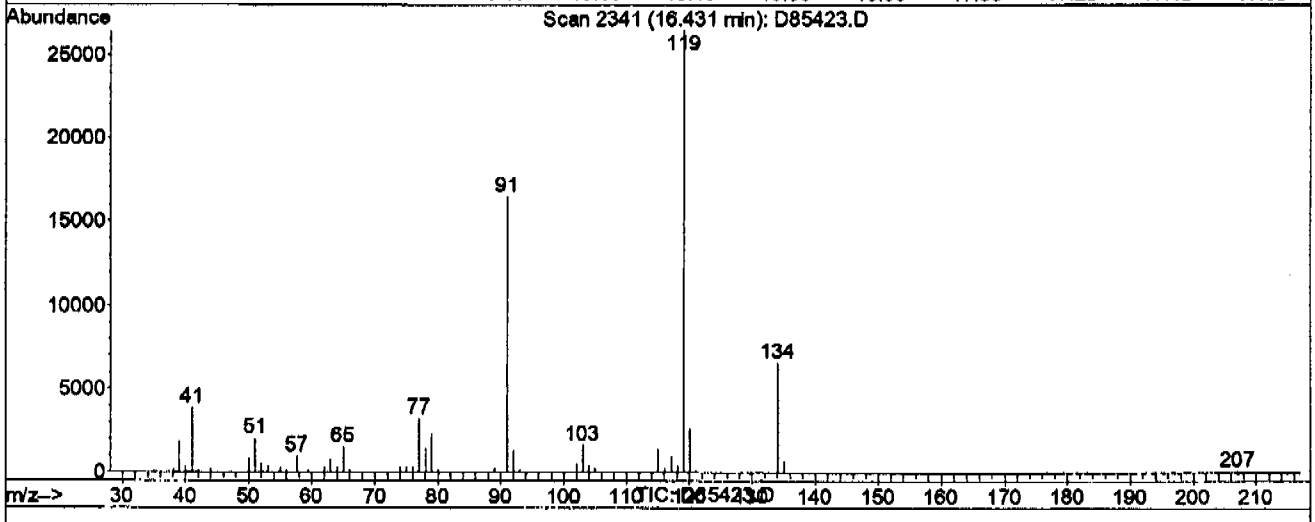
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85423.D
Acq On : 9 Aug 2004 8:44 pm
Sample : IC3408-5
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:26 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 4.95ug/L m

response 28673

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	160.88
117.00	5.60	5.74
0.00	0.00	0.00

352

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	178310	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	403190	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	584677	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	552277	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	339876	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	172659	49.84 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.68%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	208972	51.55 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 103.10%		
65) toluene-d8 (s)	12.71	98	695255	50.30 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 100.60%		
88) 4-bromofluorobenzene (s)	15.61	95	277996	49.70 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 99.40%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	24870	101.59 ug/L	95
4) chlorodifluoromethane	4.43	51	63918	19.91 ug/L	93
5) dichlorodifluoromethane	4.41	85	47882	20.55 ug/L	99
6) chloromethane	4.80	50	55954	19.83 ug/L	96
7) vinyl chloride	5.07	62	53978	19.64 ug/L	99
8) bromomethane	5.76	94	29403	15.38 ug/L	97
9) chloroethane	5.94	64	30786	19.55 ug/L	97
10) trichlorofluoromethane	6.43	101	66704m	20.22 ug/L	
11) ethyl ether	6.81	74	31804	20.53 ug/L	95
12) acrolein	6.99	56	41048	186.93 ug/L	98
13) 1,1-dichloroethene	7.27	96	46138	19.39 ug/L	95
14) acetone	7.21	43	17174	17.92 ug/L	98
15) allyl chloride	7.73	41	105291	20.96 ug/L	96
16) acetonitrile	7.60	40	29612m	140.60 ug/L	
17) iodomethane	7.53	142	84316	19.92 ug/L	96
18) iso-butyl alcohol	10.30	41	69482m	169.62 ug/L	
19) carbon disulfide	7.68	76	154349m	19.13 ug/L	
20) methylene chloride	7.90	84	56726	19.70 ug/L	95
21) methyl acetate	7.70	43	40564	19.30 ug/L	98
22) methyl tert butyl ether	8.29	73	145377	20.78 ug/L	99
23) trans-1,2-dichloroethene	8.30	96	52063	20.11 ug/L	99
24) di-isopropyl ether	8.89	45	157088	20.51 ug/L	96
25) ethyl tert-butyl ether	9.35	59	149077	20.56 ug/L	98
26) 2-butanone	9.51	72	6496	20.76 ug/L	99
27) 1,1-dichloroethane	8.84	63	93135	20.22 ug/L	99
28) chloroprene	8.98	53	58628	20.30 ug/L	98
29) acrylonitrile	8.16	53	111049	103.55 ug/L	99
30) vinyl acetate	8.83	86	10103	23.13 ug/L	88
31) ethyl acetate	9.55	45	7753	27.50 ug/L	98
32) 2,2-dichloropropane	9.60	77	66329	20.20 ug/L	98
33) cis-1,2-dichloroethene	9.56	96	57578	20.36 ug/L	97
34) propionitrile	9.55	54	85083	209.51 ug/L	99
35) bromochloromethane	9.86	128	29209	20.32 ug/L	97

353

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	tetrahydrofuran	9.93	42	16627	20.10 ug/L	98
37)	chloroform	9.92	83	89908	20.09 ug/L	98
40)	freon 113	7.26	151	35337	20.73 ug/L	96
41)	methacrylonitrile	9.77	41	33853	21.18 ug/L	98
42)	1,1,1-trichloroethane	10.22	97	78401	19.93 ug/L	98
43)	tert-amyl methyl ether	10.71	73	156949	21.20 ug/L	95
45)	Di-isobutylene	11.31	57	124762	20.25 ug/L	93
46)	epichlorohydrin	12.23	57	34879	102.60 ug/L	99
47)	n-butyl alcohol	11.06	56	77339	1053.57 ug/L	97
48)	carbon tetrachloride	10.44	117	67814	20.03 ug/L	99
49)	1,1-dichloropropene	10.40	75	67641	20.09 ug/L	99
50)	hexane	8.67	57	57790	19.18 ug/L	97
51)	benzene	10.65	78	207753	20.05 ug/L	99
52)	heptane	10.88	57	30997	19.94 ug/L	96
53)	isopropyl acetate	10.55	43	91310	20.12 ug/L	97
54)	1,2-dichloroethane	10.61	62	69937	20.07 ug/L	98
55)	trichloroethene	11.36	95	53096	20.05 ug/L	98
56)	2-nitropropane	12.07	43	12119	19.27 ug/L	100
57)	2-chloroethyl vinyl ether	12.13	63	179353	109.44 ug/L	100
58)	methyl methacrylate	11.61	69	55923	20.90 ug/L	99
59)	1,2-dichloropropane	11.60	63	55426	20.69 ug/L	98
60)	methylcyclohexane	11.65	83	80628	19.63 ug/L	95
61)	dibromomethane	11.75	93	33738	20.11 ug/L	98
62)	1,4-dioxane	11.71	88	13409	506.98 ug/L	98
63)	bromodichloromethane	11.88	83	68026	20.36 ug/L	100
64)	cis-1,3-dichloropropene	12.36	75	89439	20.64 ug/L	98
66)	4-methyl-2-pentanone	12.46	43	80763	21.31 ug/L	99
67)	toluene	12.79	92	134375	20.23 ug/L	100
68)	3-methyl-1-butanol	12.45	70	30365	435.91 ug/L	95
69)	trans-1,3-dichloropropene	12.94	75	83981	21.07 ug/L	99
70)	ethyl methacrylate	12.97	69	72361	21.58 ug/L	98
71)	1,1,2-trichloroethane	13.17	83	41816	20.34 ug/L	99
72)	2-hexanone	13.37	43	35806	21.57 ug/L	100
74)	tetrachloroethene	13.44	166	66267	20.19 ug/L	99
75)	1,3-dichloropropane	13.37	76	88246	20.66 ug/L	99
76)	butyl acetate	13.47	56	35602	21.17 ug/L	98
77)	dibromochloromethane	13.66	129	54359	20.68 ug/L	96
78)	1,2-dibromoethane	13.83	107	50956	20.43 ug/L	97
79)	chlorobenzene	14.37	112	158853	20.09 ug/L	100
80)	1,1,1,2-tetrachloroethane	14.42	131	56398	20.32 ug/L	98
81)	ethylbenzene	14.44	91	254181	20.63 ug/L	99
82)	m,p-xylene	14.57	106	203355	41.68 ug/L	98
83)	o-xylene	15.03	106	104983	21.39 ug/L	100
84)	styrene	15.02	104	169780	22.14 ug/L	99
85)	bromoform	15.28	173	38496	20.62 ug/L	99
87)	isopropylbenzene	15.41	105	238382	20.66 ug/L	99
89)	bromobenzene	15.83	156	72703	20.04 ug/L	96
90)	cyclohexanone	15.54	55	58699	26.97 ug/L	98
91)	1,1,2,2-tetrachloroethane	15.68	83	69616	20.05 ug/L	97

354

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	18903	20.31 ug/L	97
93)	1,2,3-trichloropropane	15.77	77	17920	17.90 ug/L	98
94)	n-propylbenzene	15.87	91	306621	20.72 ug/L	99
95)	2-chlorotoluene	16.02	91	214095	20.67 ug/L	98
96)	4-chlorotoluene	16.12	91	194934	20.50 ug/L	97
97)	1,3,5-trimethylbenzene	16.03	105	219581	20.82 ug/L	99
98)	tert-butylbenzene	16.43	91	125443m	20.73 ug/L	
99)	pentachloroethane	16.49	167	438177(	20.75 ug/L	95
100)	1,2,4-trimethylbenzene	16.47	105	231047 8/10/04	20.97 ug/L	99
101)	sec-butylbenzene	16.67	105	289687	20.91 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	143654	20.00 ug/L	99
103)	p-isopropyltoluene	16.80	119	250659	21.07 ug/L	99
104)	1,4-dichlorobenzene	16.94	146	148702	19.76 ug/L	99
105)	1,2-dichlorobenzene	17.37	146	141609	20.19 ug/L	99
106)	n-butylbenzene	17.26	91	223984	21.19 ug/L	99
107)	1,2-dibromo-3-chloropropan	18.19	75	12478	20.90 ug/L	96
108)	1,2,4-trichlorobenzene	19.17	180	95568	21.04 ug/L	100
109)	hexachlorobutadiene	19.34	225	49187	20.47 ug/L	95
110)	naphthalene	19.48	128	184467	21.65 ug/L	99
111)	1,2,3-trichlorobenzene	19.76	180	75350	20.85 ug/L	98
112)	hexachloroethane	17.70	119	40211	20.11 ug/L	100
113)	Cyclohexane	10.34	84	74720	19.22 ug/L #	100

355

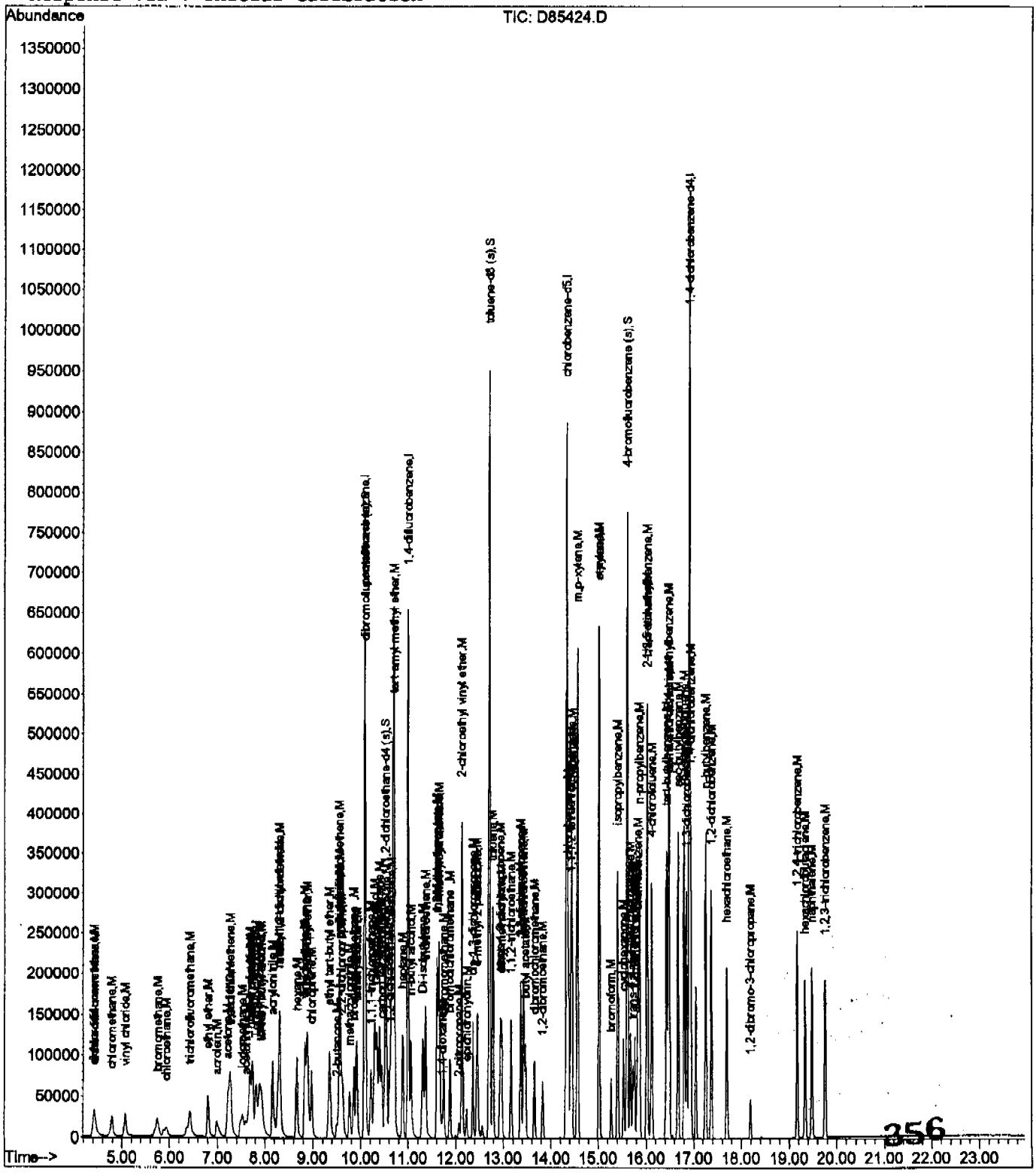
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

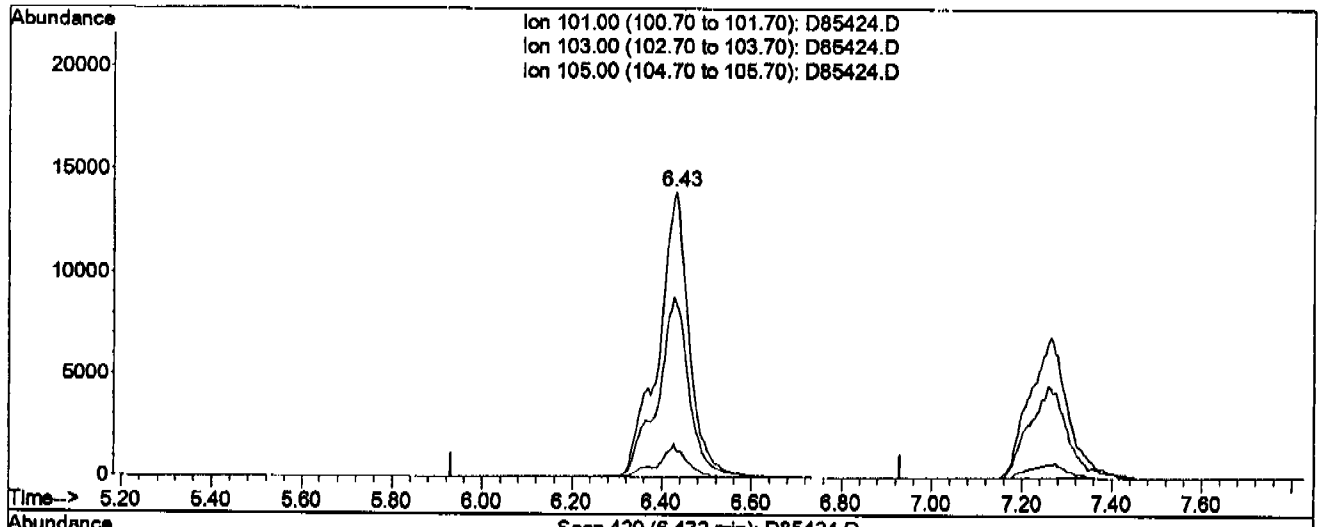


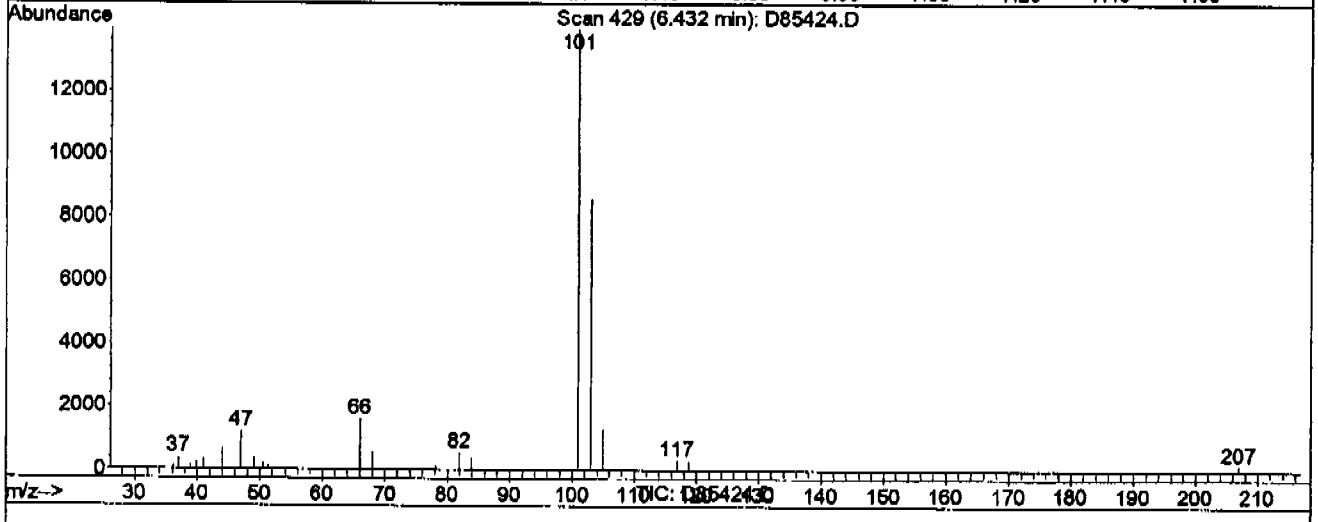
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(10) trichlorofluoromethane (M)

6.43min 20.22ug/L m

response 66704

Ion	Exp%	Act%
101.00	100	100
103.00	63.30	61.43
105.00	10.90	9.14
0.00	0.00	0.00

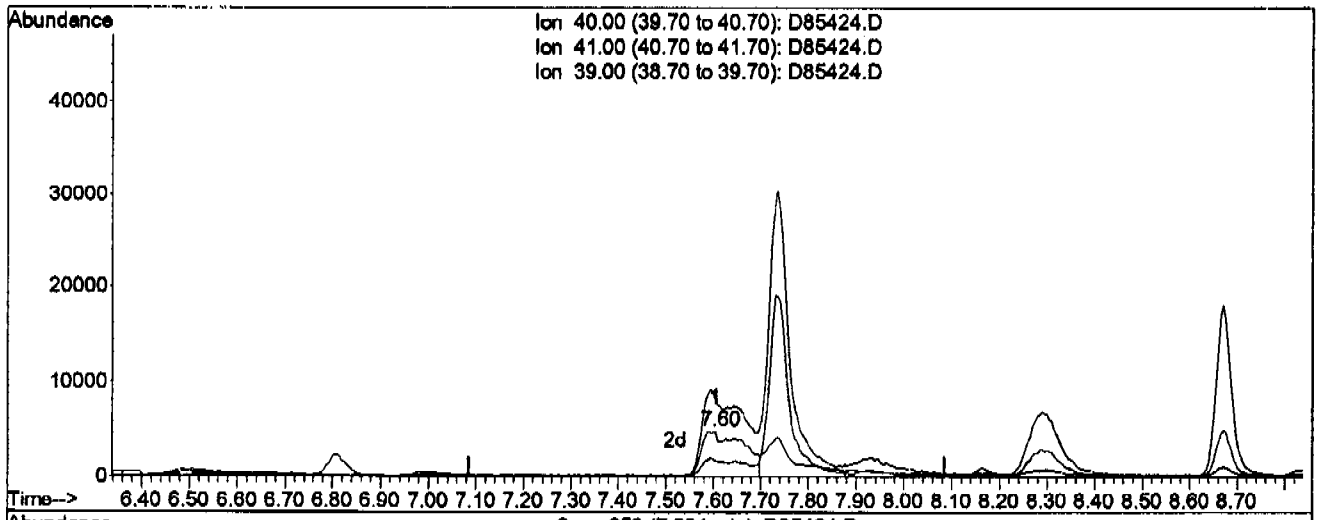
357

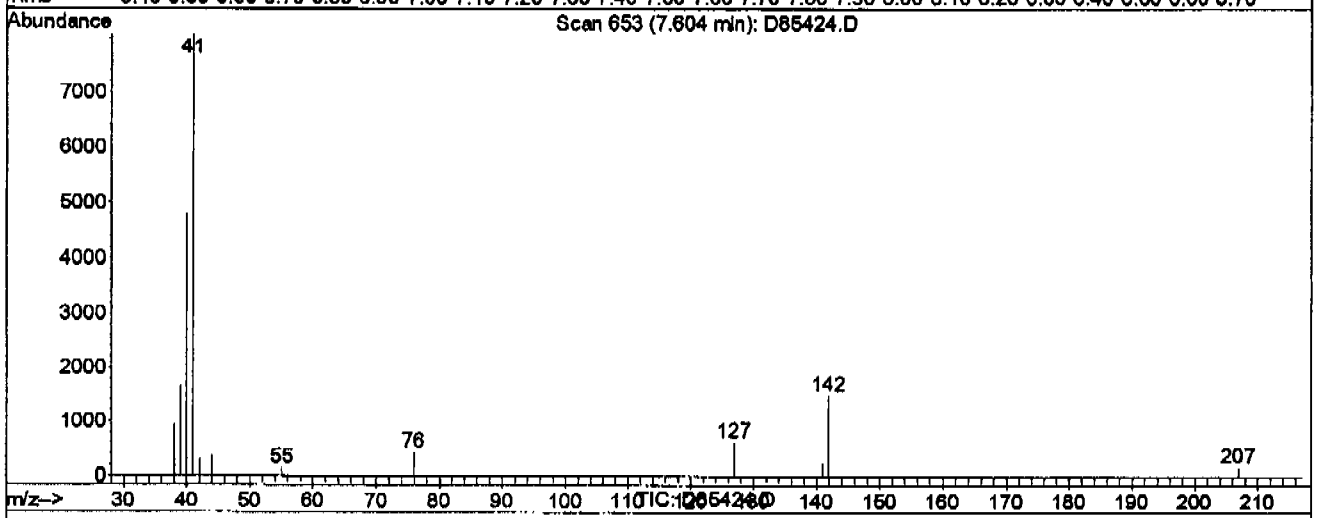
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(16) acetonitrile (M)

7.60min 140.60ug/L m

response 29612

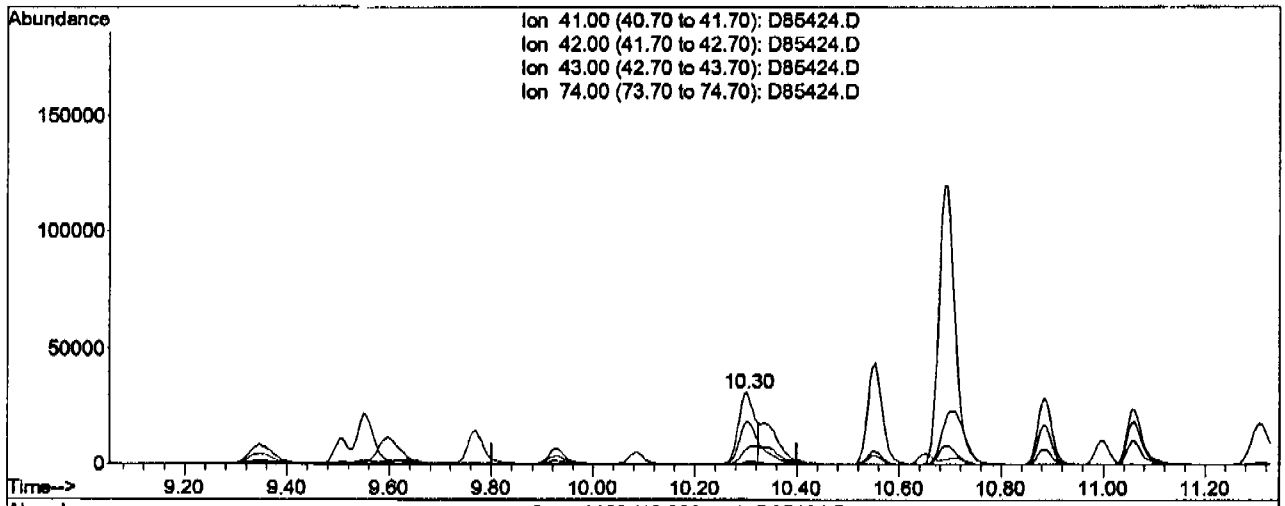
Ion	Exp%	Act%
40.00	100	100
41.00	194.00	168.38
39.00	36.20	34.87
0.00	0.00	0.00

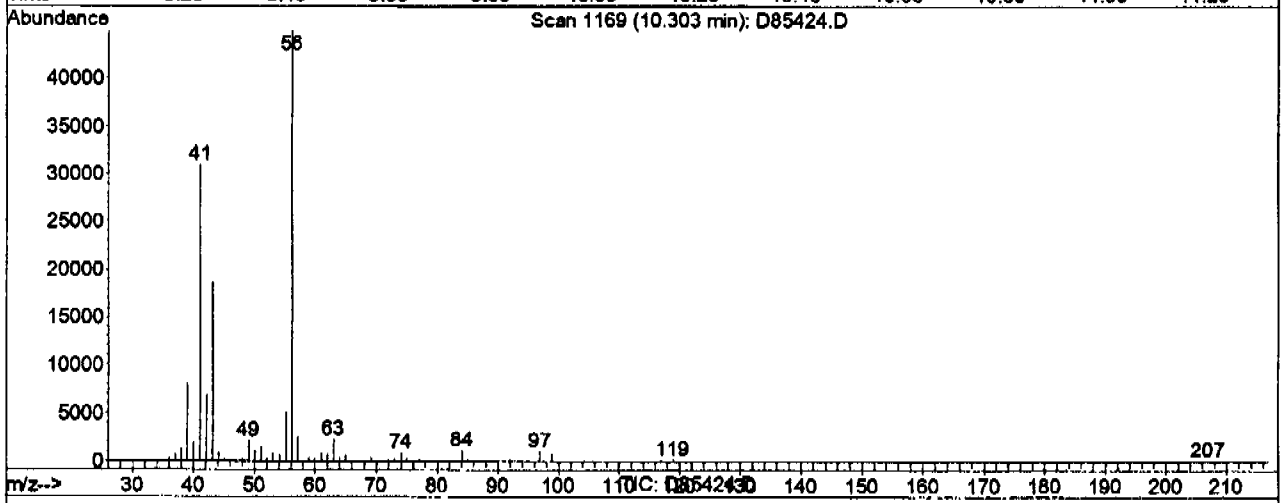
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) Iso-butyl alcohol (M)

10.30min 169.62ug/L m

response 69482

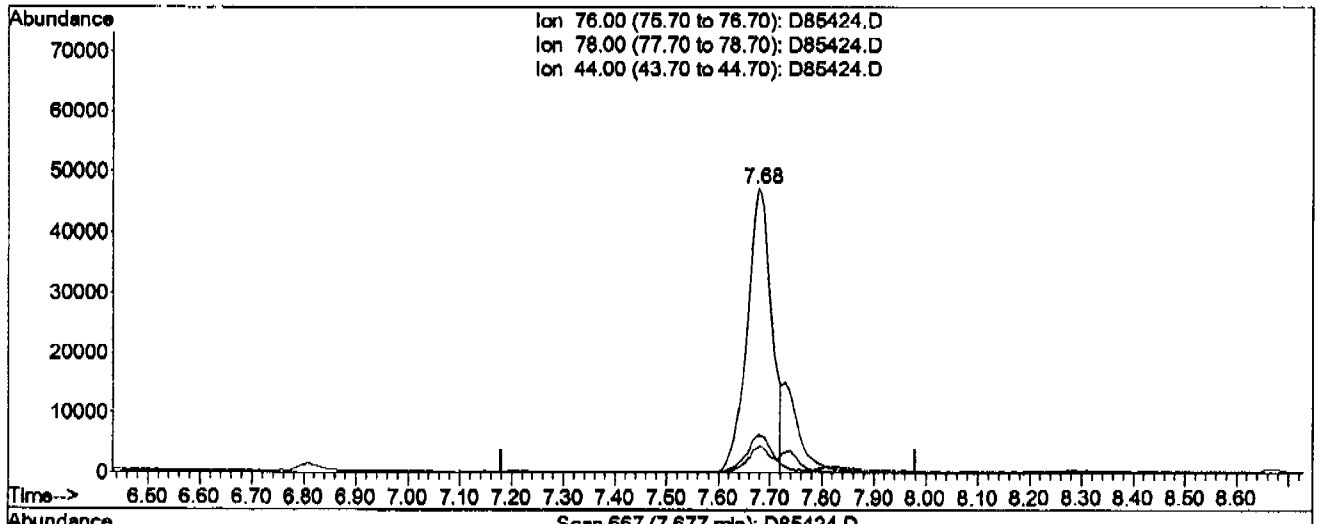
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	22.35
43.00	64.90	60.50
74.00	2.90	3.01

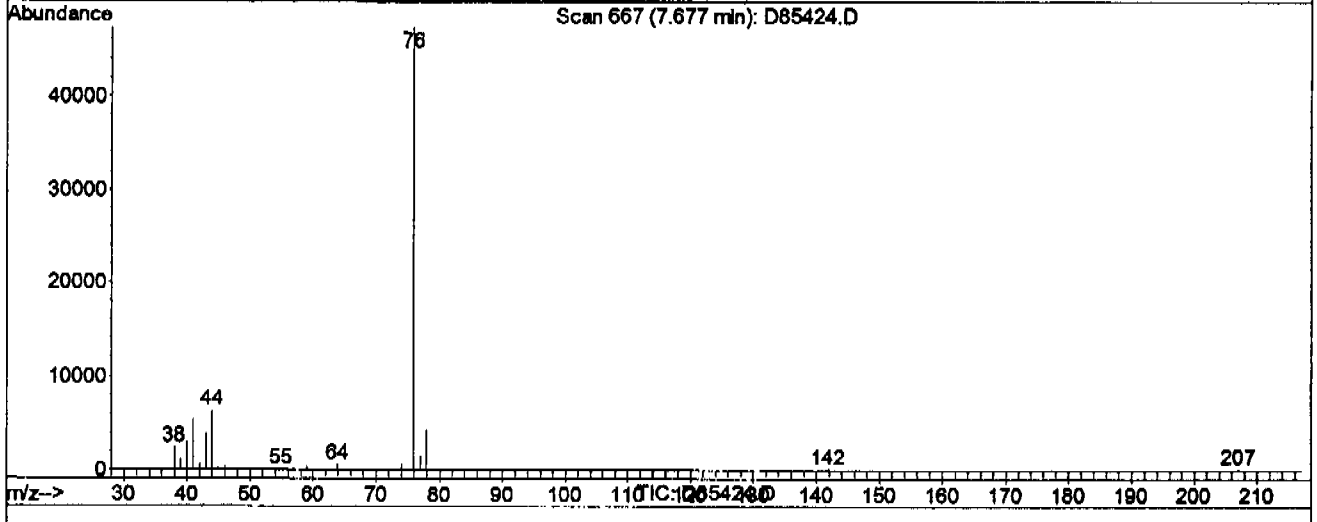
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 19.13ug/L m

response 154349

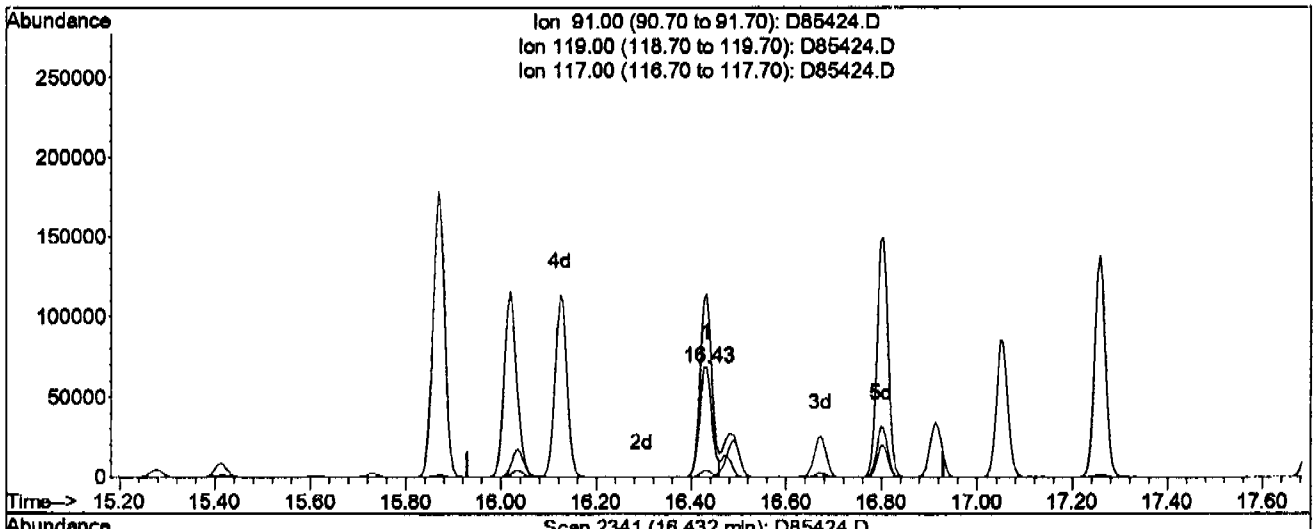
Ion	Exp%	Act%
76.00	100	100
78.00	9.40	8.98
44.00	12.80	13.41
0.00	0.00	0.00

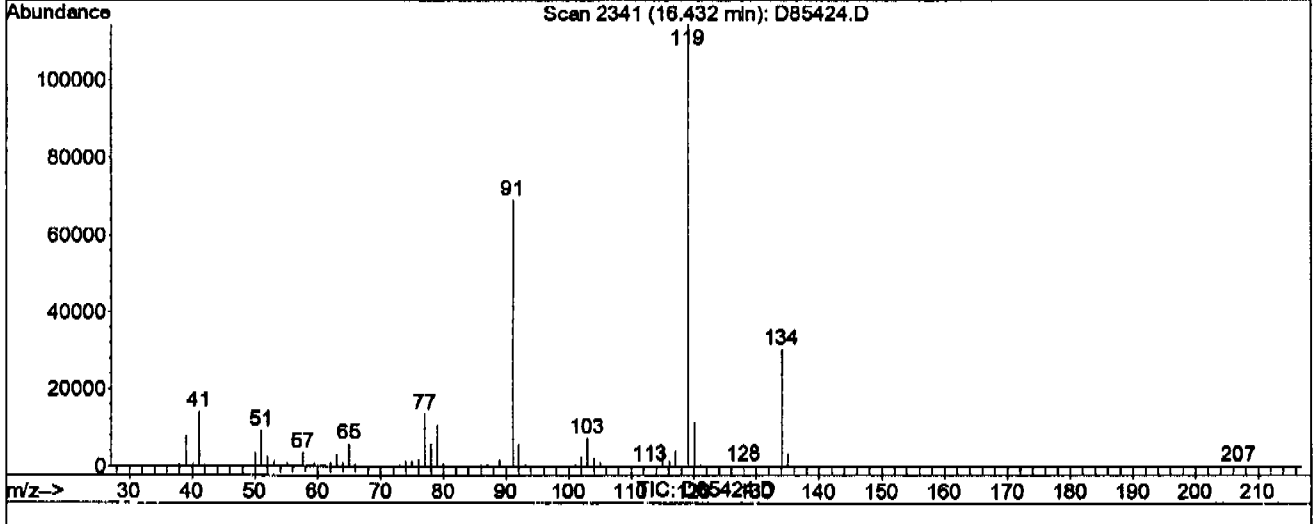
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85424.D
Acq On : 9 Aug 2004 9:14 pm
Sample : IC3408-20
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:27 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 20.73ug/L m

response 125443

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	165.34
117.00	5.60	5.57
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	180429	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	424040	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	614848	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	585548	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	354635	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	180612	49.57 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.14%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	209268	49.08 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 98.16%		
65) toluene-d8 (s)	12.71	98	733939	50.49 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 100.98%		
88) 4-bromofluorobenzene (s)	15.61	95	290755	49.82 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 99.64%		

Target Compounds

					Qvalue
2) tertiary butyl alcohol	7.93	59	63943	258.13 ug/L	100
4) chlorodifluoromethane	4.43	51	164347	48.67 ug/L	100
5) dichlorodifluoromethane	4.41	85	131470	53.64 ug/L	100
6) chloromethane	4.80	50	150580	50.73 ug/L	100
7) vinyl chloride	5.08	62	147991	51.21 ug/L	100
8) bromomethane	5.75	94	91286	45.39 ug/L	100
9) chloroethane	5.94	64	78874	47.62 ug/L	100
10) trichlorofluoromethane	6.43	101	184658	53.23 ug/L	100
11) ethyl ether	6.81	74	84123	51.64 ug/L	100
12) acrolein	6.99	56	119070	515.59 ug/L	100
13) 1,1-dichloroethene	7.27	96	127162	50.82 ug/L	100
14) acetone	7.21	43	43801	43.46 ug/L	100
15) allyl chloride	7.73	41	273112	51.71 ug/L	100
16) acetonitrile	7.59	40	76916	347.24 ug/L	100
17) iodomethane	7.53	142	229701	51.59 ug/L	100
18) iso-butyl alcohol	10.30	41	177391m	411.76 ug/L	
19) carbon disulfide	7.68	76	419014m	49.38 ug/L	
20) methylene chloride	7.90	84	150082 8/4/04	49.56 ug/L	100
21) methyl acetate	7.70	43	105552	47.75 ug/L	100
22) methyl tert butyl ether	8.29	73	381829	51.90 ug/L	100
23) trans-1,2-dichloroethene	8.30	96	139844	51.36 ug/L	100
24) di-isopropyl ether	8.88	45	408860	50.77 ug/L	100
25) ethyl tert-butyl ether	9.34	59	387595	50.83 ug/L	100
26) 2-butanone	9.51	72	18241	55.43 ug/L	99
27) 1,1-dichloroethane	8.84	63	241784	49.91 ug/L	100
28) chloroprene	8.98	53	158908	52.32 ug/L	100
29) acrylonitrile	8.16	53	293173	259.94 ug/L	100
30) vinyl acetate	8.82	86	29015	63.15 ug/L	100
31) ethyl acetate	9.55	45	16115	54.34 ug/L	100
32) 2,2-dichloropropane	9.60	77	170979	49.52 ug/L	100
33) cis-1,2-dichloroethene	9.56	96	151761	51.02 ug/L	100
34) propionitrile	9.55	54	224113	524.72 ug/L	100
35) bromochloromethane	9.86	128	77684	51.38 ug/L	100

362

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) tetrahydrofuran	9.92	42	44549	51.20 ug/L	100
37) chloroform	9.91	83	235076	49.96 ug/L	100
40) freon 113	7.26	151	99805	55.67 ug/L	100
41) methacrylonitrile	9.77	41	89115	53.01 ug/L	100
42) 1,1,1-trichloroethane	10.22	97	209685	50.68 ug/L	100
43) tert-amyl methyl ether	10.71	73	385987	49.58 ug/L	100
45) Di-isobutylene	11.31	57	364141	56.22 ug/L	100
46) epichlorohydrin	12.23	57	94233	263.60 ug/L	100
47) n-butyl alcohol	11.06	56	210119	2721.94 ug/L	100
48) carbon tetrachloride	10.45	117	182873	51.36 ug/L	100
49) 1,1-dichloropropene	10.40	75	182690	51.59 ug/L	100
50) hexane	8.67	57	164373	51.88 ug/L	100
51) benzene	10.65	78	550506	50.52 ug/L	100
52) heptane	10.89	57	85489	52.30 ug/L	100
53) isopropyl acetate	10.55	43	242847	50.89 ug/L	100
54) 1,2-dichloroethane	10.62	62	182504	49.81 ug/L	100
55) trichloroethene	11.36	95	142472	51.15 ug/L	100
56) 2-nitropropane	12.07	43	37578	56.83 ug/L	100
57) 2-chloroethyl vinyl ether	12.13	63	463612	269.01 ug/L	100
58) methyl methacrylate	11.61	69	154730	55.00 ug/L	100
59) 1,2-dichloropropane	11.60	63	145470	51.64 ug/L	100
60) methylcyclohexane	11.65	83	226103	52.35 ug/L	100
61) dibromomethane	11.74	93	91464	51.85 ug/L	100
62) 1,4-dioxane	11.70	88	37169	1336.37 ug/L	100
63) bromodichloromethane	11.88	83	183960	52.36 ug/L	100
64) cis-1,3-dichloropropene	12.37	75	245351	53.83 ug/L	100
66) 4-methyl-2-pentanone	12.46	43	217006	54.44 ug/L	100
67) toluene	12.79	92	359414	51.45 ug/L	100
68) 3-methyl-1-butanol	12.45	70	85687	1169.73 ug/L	100
69) trans-1,3-dichloropropene	12.94	75	226440	54.02 ug/L	100
70) ethyl methacrylate	12.97	69	201213	57.06 ug/L	100
71) 1,1,2-trichloroethane	13.17	83	111925	51.77 ug/L	100
72) 2-hexanone	13.37	43	97766	55.99 ug/L	100
74) tetrachloroethene	13.43	166	177656	51.05 ug/L	100
75) 1,3-dichloropropane	13.37	76	234522	51.78 ug/L	100
76) butyl acetate	13.47	56	95522	53.56 ug/L	100
77) dibromochloromethane	13.66	129	151723	54.43 ug/L	100
78) 1,2-dibromoethane	13.84	107	138340	52.32 ug/L	100
79) chlorobenzene	14.37	112	426541	50.88 ug/L	100
80) 1,1,1,2-tetrachloroethane	14.42	131	153325	52.11 ug/L	100
81) ethylbenzene	14.45	91	684354	52.39 ug/L	100
82) m,p-xylene	14.56	106	548611	106.07 ug/L	100
83) o-xylene	15.02	106	279273	53.66 ug/L	100
84) styrene	15.02	104	460071	56.58 ug/L	100
85) bromoform	15.28	173	111015	56.07 ug/L	100
87) isopropylbenzene	15.41	105	654031	54.32 ug/L	100
89) bromobenzene	15.83	156	195626	51.68 ug/L	100
90) cyclohexanone	15.54	55	77601	34.18 ug/L	100
91) 1,1,2,2-tetrachloroethane	15.68	83	185720	51.27 ug/L	100

363

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	52754	54.33 ug/L	100
93)	1,2,3-trichloropropane	15.77	77	46984	44.98 ug/L	100
94)	n-propylbenzene	15.87	91	826825	53.55 ug/L	100
95)	2-chlorotoluene	16.02	91	569608	52.71 ug/L	100
96)	4-chlorotoluene	16.13	91	518936	52.31 ug/L	100
97)	1,3,5-trimethylbenzene	16.03	105	594172	54.00 ug/L	100
98)	tert-butylbenzene	16.43	91	344355m	54.53 ug/L	
99)	pentachloroethane	16.49	167	124195	56.36 ug/L	100
100)	1,2,4-trimethylbenzene	16.47	105	623158	54.21 ug/L	100
101)	sec-butylbenzene	16.67	105	787375	54.48 ug/L	100
102)	1,3-dichlorobenzene	16.85	146	385642	51.46 ug/L	100
103)	p-isopropyltoluene	16.80	119	685231	55.20 ug/L	100
104)	1,4-dichlorobenzene	16.94	146	398445	50.76 ug/L	100
105)	1,2-dichlorobenzene	17.37	146	376133	51.40 ug/L	100
106)	n-butylbenzene	17.26	91	601788	54.57 ug/L	100
107)	1,2-dibromo-3-chloropropan	18.19	75	33989	54.57 ug/L	100
108)	1,2,4-trichlorobenzene	19.17	180	261811	55.25 ug/L	100
109)	hexachlorobutadiene	19.33	225	134262	53.54 ug/L	100
110)	naphthalene	19.48	128	509519	57.32 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	204904	54.35 ug/L	100
112)	hexachloroethane	17.70	119	117522	56.32 ug/L	100
113)	Cyclohexane	10.34	84	210669	51.92 ug/L #	100

364

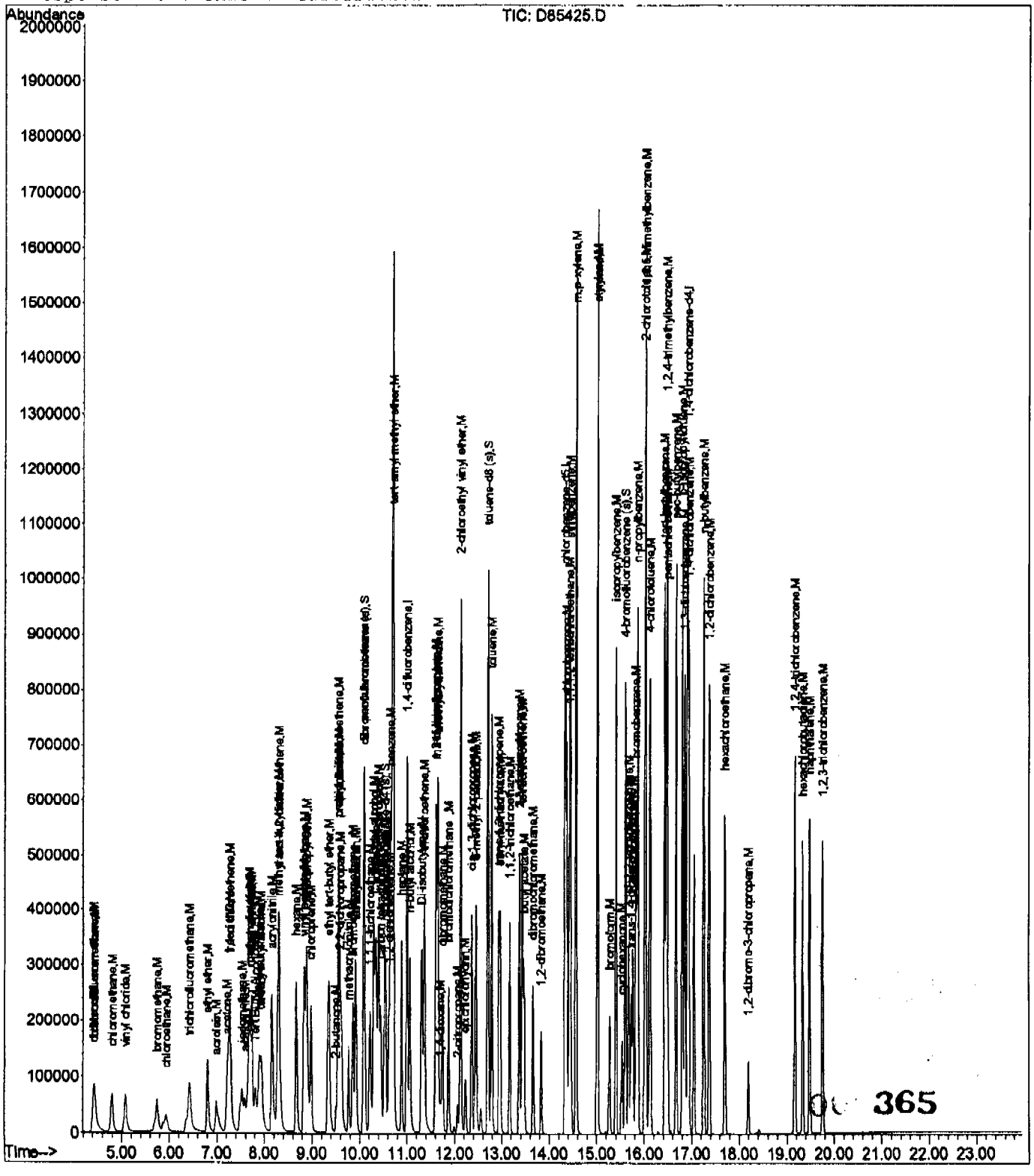
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

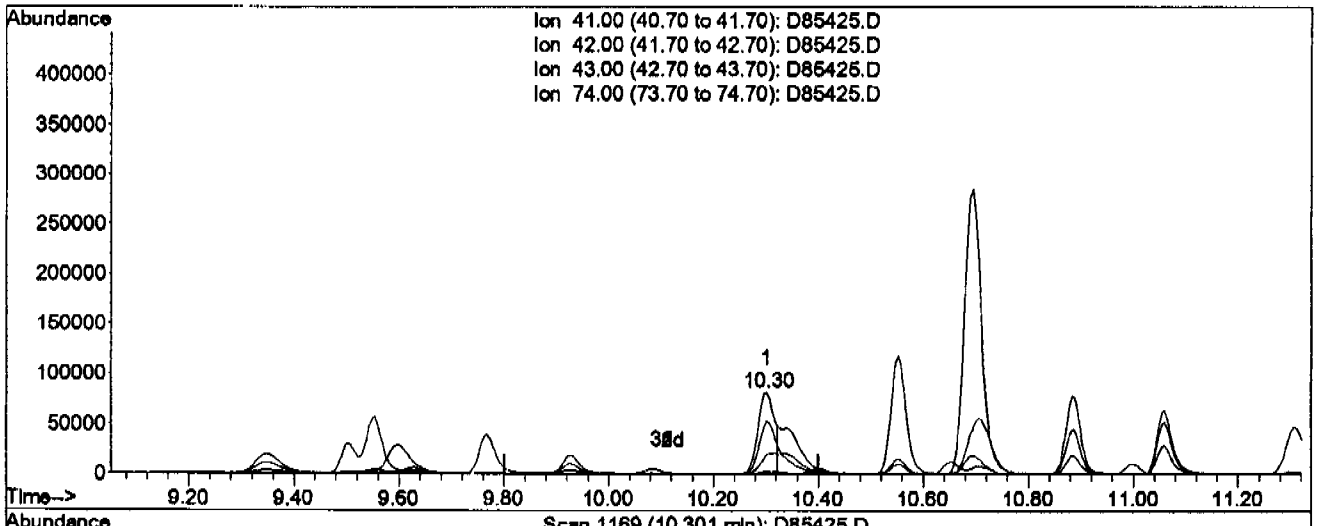


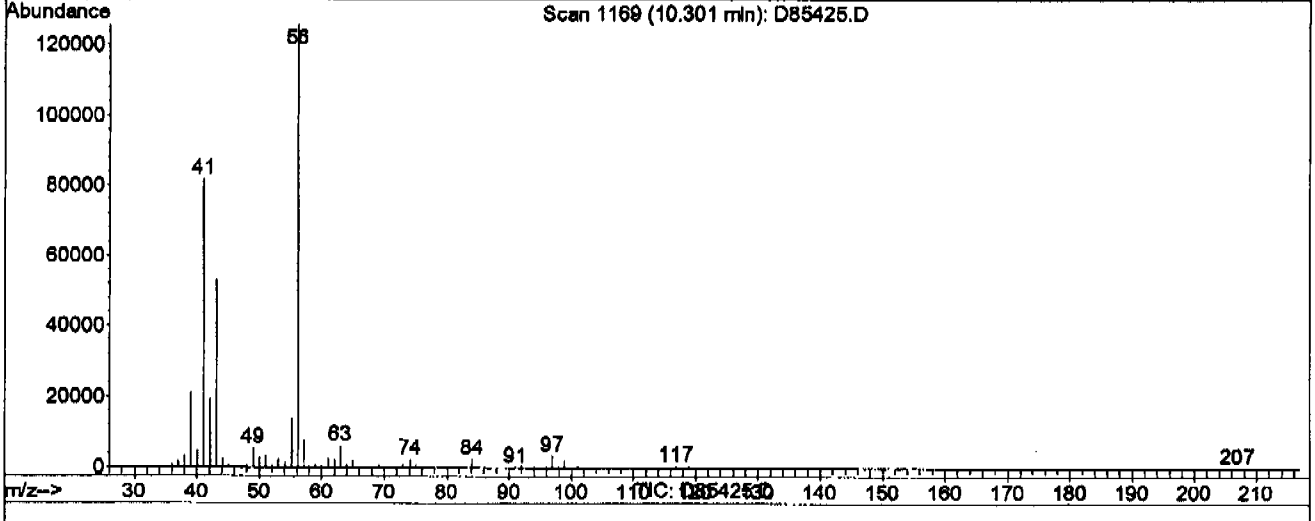
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) Iso-butyl alcohol (M)

10.30min 411.76ug/L m

response 177391

Ion	Exp%	Act%
41.00	100	100
42.00	23.60	23.65
43.00	64.90	64.88
74.00	2.90	2.87

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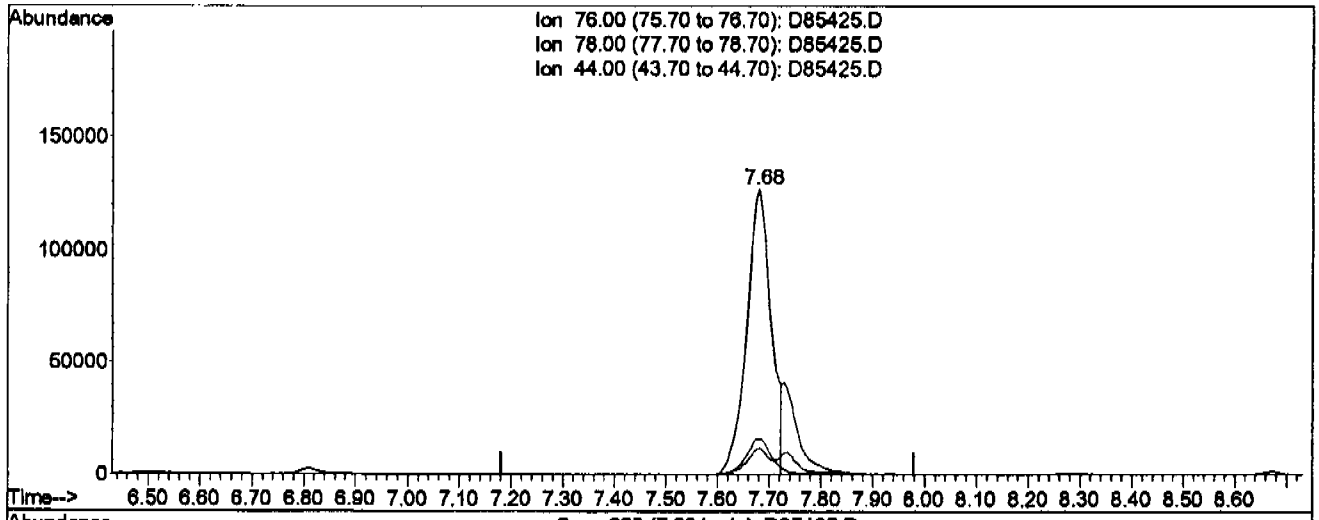
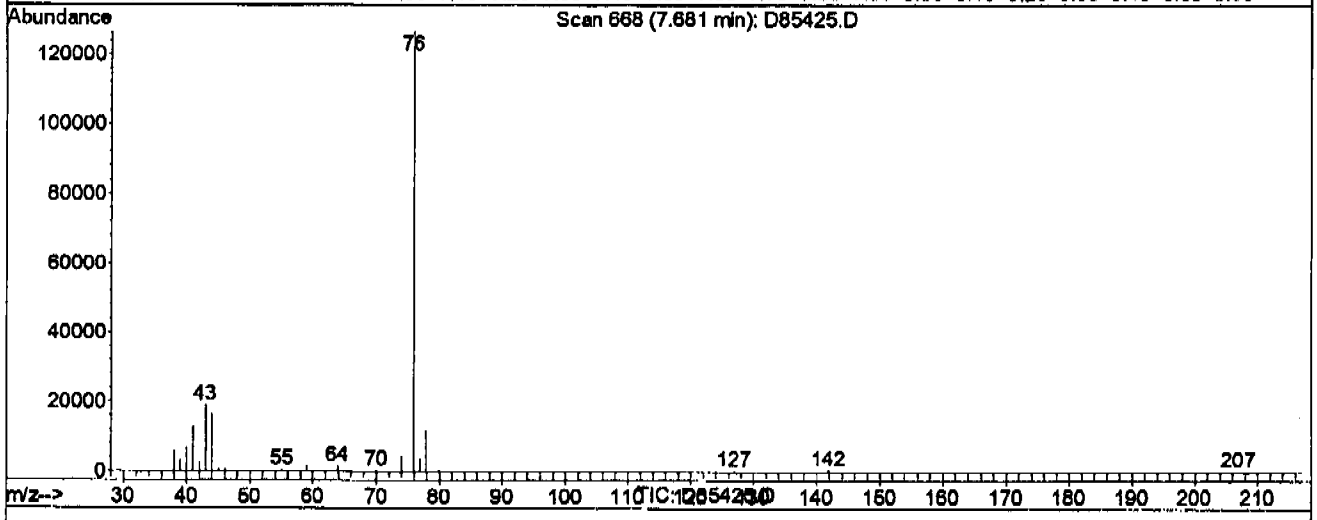
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 49.38ug/L m

response 419014

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.37
44.00	12.80	12.77
0.00	0.00	0.00

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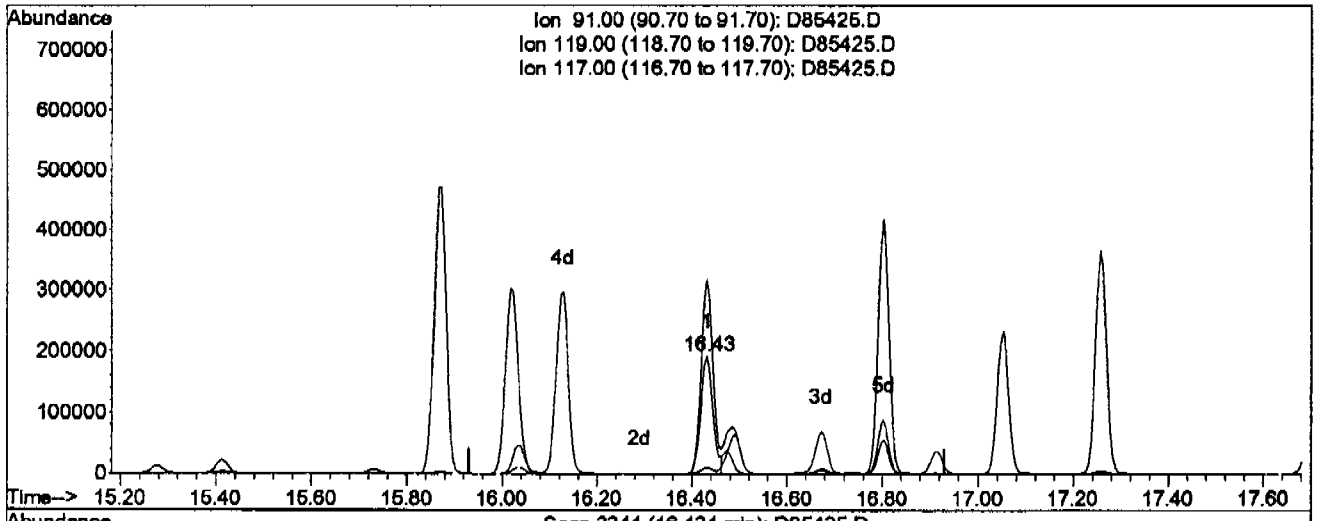
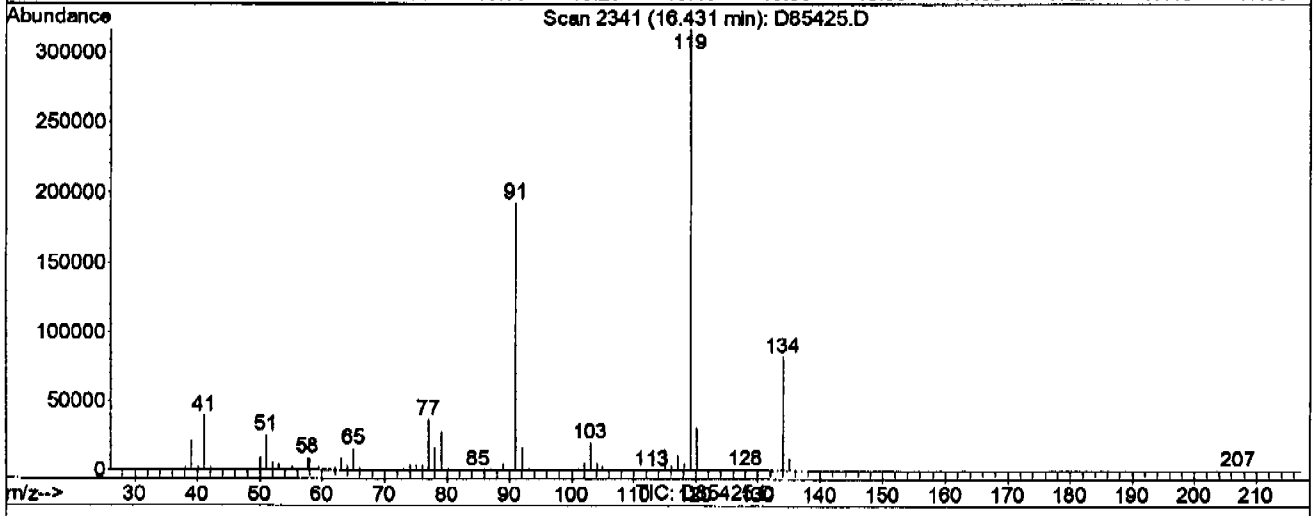
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85425.D
Acq On : 9 Aug 2004 9:44 pm
Sample : IC3408-50
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:28 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 54.53ug/L m

response 344355

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	164.80
117.00	5.60	5.57
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	196540	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	451024	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	658238	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	639902	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	390548	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	192205	49.60 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.20%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	218570	48.20 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 96.40%		
65) toluene-d8 (s)	12.71	98	791754	50.88 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 101.76%		
88) 4-bromofluorobenzene (s)	15.61	95	321997	50.10 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 100.20%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	268420	994.76 ug/L	96
4) chlorodifluoromethane	4.43	51	664735	185.08 ug/L	97
5) dichlorodifluoromethane	4.41	85	508736	195.15 ug/L	100
6) chloromethane	4.81	50	599159	189.78 ug/L	99
7) vinyl chloride	5.09	62	584731	190.21 ug/L	99
8) bromomethane	5.74	94	257720	120.49 ug/L	99
9) chloroethane	5.93	64	223386m	126.80 ug/L	
10) trichlorofluoromethane	6.42	101	703443	190.63 ug/L	99
11) ethyl ether	6.81	74	332322	191.80 ug/L	94
12) acrolein	6.99	56	449391	1829.50 ug/L	100
13) 1,1-dichloroethene	7.27	96	528282	198.50 ug/L	94
14) acetone	7.21	43	163630	152.65 ug/L	97
15) allyl chloride	7.73	41	1098804	195.58 ug/L	94
16) acetonitrile	7.59	40	289571m	1229.07 ug/L	
17) iodomethane	7.53	142	967731	204.34 ug/L	98
18) iso-butyl alcohol	10.30	41	760817m	1660.35 ug/L	
19) carbon disulfide	7.68	76	1642470m	182.00 ug/L	
20) methylene chloride	7.93	84	623393	193.55 ug/L	97
21) methyl acetate	7.70	43	421961	179.45 ug/L	96
22) methyl tert butyl ether	8.29	73	1472415	188.17 ug/L	98
23) trans-1,2-dichloroethene	8.31	96	569741	196.72 ug/L	96
24) di-isopropyl ether	8.89	45	1625548	189.77 ug/L	98
25) ethyl tert-butyl ether	9.35	59	1486743	183.30 ug/L	99
26) 2-butanone	9.50	72	77919	222.62 ug/L	92
27) 1,1-dichloroethane	8.84	63	953024	184.97 ug/L	99
28) chloroprene	8.97	53	659855	204.25 ug/L	98
29) acrylonitrile	8.16	53	1189610	991.65 ug/L	99
30) vinyl acetate	8.82	86	123737	253.20 ug/L	91
31) ethyl acetate	9.55	45	61237	194.15 ug/L	77
32) 2,2-dichloropropane	9.60	77	658776	179.37 ug/L	99
33) cis-1,2-dichloroethene	9.56	96	605504	191.39 ug/L	97
34) propionitrile	9.55	54	853263	1878.24 ug/L	98
35) bromochloromethane	9.86	128	327836	203.86 ug/L	94

369

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	tetrahydrofuran	9.93	42	178824	193.21 ug/L	96
37)	chloroform	9.92	83	961549	192.11 ug/L	98
40)	freon 113	7.25	151	415817	218.05 ug/L	100
41)	methacrylonitrile	9.76	41	369162	206.46 ug/L	97
42)	1,1,1-trichloroethane	10.22	97	860792	195.61 ug/L	99
43)	tert-amyl methyl ether	10.72	73	1265815	152.88 ug/L	94
45)	Di-isobutylene	11.31	57	1517933	218.89 ug/L	96
46)	epichlorohydrin	12.23	57	402017	1050.43 ug/L	99
47)	n-butyl alcohol	11.06	56	883869	10695.11 ug/L	98
48)	carbon tetrachloride	10.44	117	768225	201.54 ug/L	100
49)	1,1-dichloropropene	10.40	75	743416	196.10 ug/L	99
50)	hexane	8.67	57	688977	203.13 ug/L	99
51)	benzene	10.65	78	2142525	183.68 ug/L	99
52)	heptane	10.88	57	348716	199.27 ug/L	99
53)	isopropyl acetate	10.55	43	1019725	199.60 ug/L	99
54)	1,2-dichloroethane	10.62	62	738986	188.39 ug/L	100
55)	trichloroethene	11.36	95	575529	193.01 ug/L	99
56)	2-nitropropane	12.07	43	183339	259.00 ug/L	97
57)	2-chloroethyl vinyl ether	12.13	63	1575947	854.16 ug/L	93
58)	methyl methacrylate	11.61	69	626494	208.00 ug/L	89
59)	1,2-dichloropropane	11.61	63	561348	186.14 ug/L	96
60)	methylcyclohexane	11.65	83	931064	201.34 ug/L	97
61)	dibromomethane	11.74	93	374668	198.39 ug/L	97
62)	1,4-dioxane	11.70	88	157214	5279.85 ug/L	96
63)	bromodichloromethane	11.88	83	770833	204.92 ug/L	99
64)	cis-1,3-dichloropropene	12.37	75	1015171	208.07 ug/L	98
66)	4-methyl-2-pentanone	12.46	43	868672	203.57 ug/L	99
67)	toluene	12.79	92	1451775	194.11 ug/L	97
68)	3-methyl-1-butanol	12.45	70	371618	4738.61 ug/L	95
69)	trans-1,3-dichloropropene	12.94	75	937974	209.03 ug/L	98
70)	ethyl methacrylate	12.97	69	843990	223.55 ug/L	95
71)	1,1,2-trichloroethane	13.17	83	463777	200.37 ug/L	98
72)	2-hexanone	13.37	43	387844	207.49 ug/L	97
74)	tetrachloroethene	13.44	166	733398	192.84 ug/L	100
75)	1,3-dichloropropane	13.37	76	949566	191.84 ug/L	100
76)	butyl acetate	13.47	56	408079	209.39 ug/L	95
77)	dibromochloromethane	13.66	129	677354	222.37 ug/L	99
78)	1,2-dibromoethane	13.83	107	593422	205.36 ug/L	99
79)	chlorobenzene	14.37	112	1773935	193.61 ug/L	99
80)	1,1,1,2-tetrachloroethane	14.42	131	647675	201.44 ug/L	99
81)	ethylbenzene	14.45	91	2696568	188.90 ug/L	96
82)	m,p-xylene	14.57	106	2055676	363.67 ug/L	95
83)	o-xylene	15.03	106	1046858	184.05 ug/L	98
84)	styrene	15.03	104	1729529	194.64 ug/L	98
85)	bromoform	15.28	173	517580	239.22 ug/L	98
87)	isopropylbenzene	15.41	105	2698806	203.53 ug/L	97
89)	bromobenzene	15.83	156	848521	203.53 ug/L	99
90)	cyclohexanone	15.54	55	374844	149.90 ug/L	99
91)	1,1,2,2-tetrachloroethane	15.68	83	788210	197.57 ug/L	100

370

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	234735	219.50 ug/L	94
93)	1,2,3-trichloropropane	15.77	77	200848	174.59 ug/L	98
94)	n-propylbenzene	15.87	91	3279569	192.87 ug/L	95
95)	2-chlorotoluene	16.02	91	2216358	186.24 ug/L	98
96)	4-chlorotoluene	16.13	91	2158606	197.57 ug/L	99
97)	1,3,5-trimethylbenzene	16.04	105	2351370	194.04 ug/L	99
98)	tert-butylbenzene	16.43	91	1445981m	207.92 ug/L	
99)	pentachloroethane	16.50	167	534708	220.32 ug/L	97
100)	1,2,4-trimethylbenzene	16.47	105	2507763	198.10 ug/L	99
101)	sec-butylbenzene	16.67	105	3187780	200.29 ug/L	97
102)	1,3-dichlorobenzene	16.86	146	1643666	199.18 ug/L	99
103)	p-isopropyltoluene	16.80	119	2782730	203.57 ug/L	97
104)	1,4-dichlorobenzene	16.95	146	1687871	195.24 ug/L	99
105)	1,2-dichlorobenzene	17.37	146	1586679	196.90 ug/L	99
106)	n-butylbenzene	17.26	91	2385669	196.43 ug/L	96
107)	1,2-dibromo-3-chloropropan	18.19	75	145626	212.31 ug/L	92
108)	1,2,4-trichlorobenzene	19.17	180	1056842	202.52 ug/L	99
109)	hexachlorobutadiene	19.34	225	537452	194.62 ug/L	99
110)	naphthalene	19.48	128	2096077	214.11 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	839819	202.27 ug/L	99
112)	hexachloroethane	17.70	119	532691	231.80 ug/L	100
113)	Cyclohexane	10.34	84	881112	197.20 ug/L #	100

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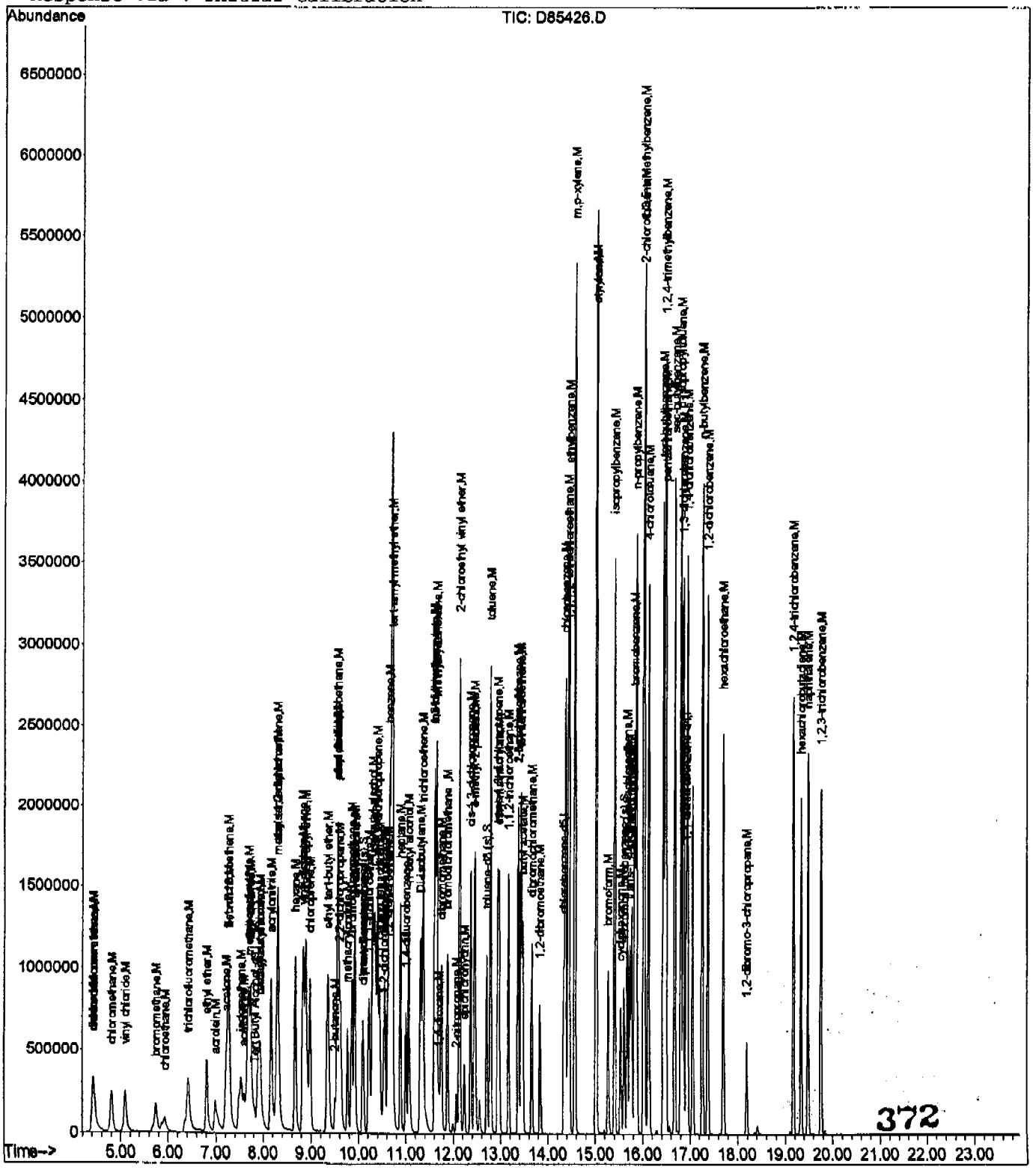
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

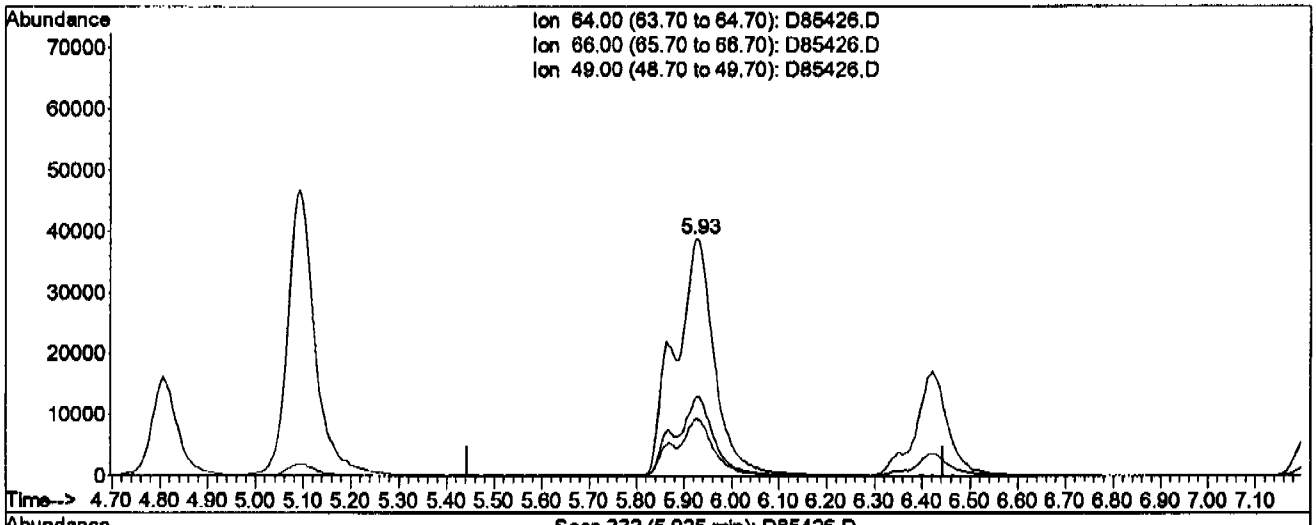


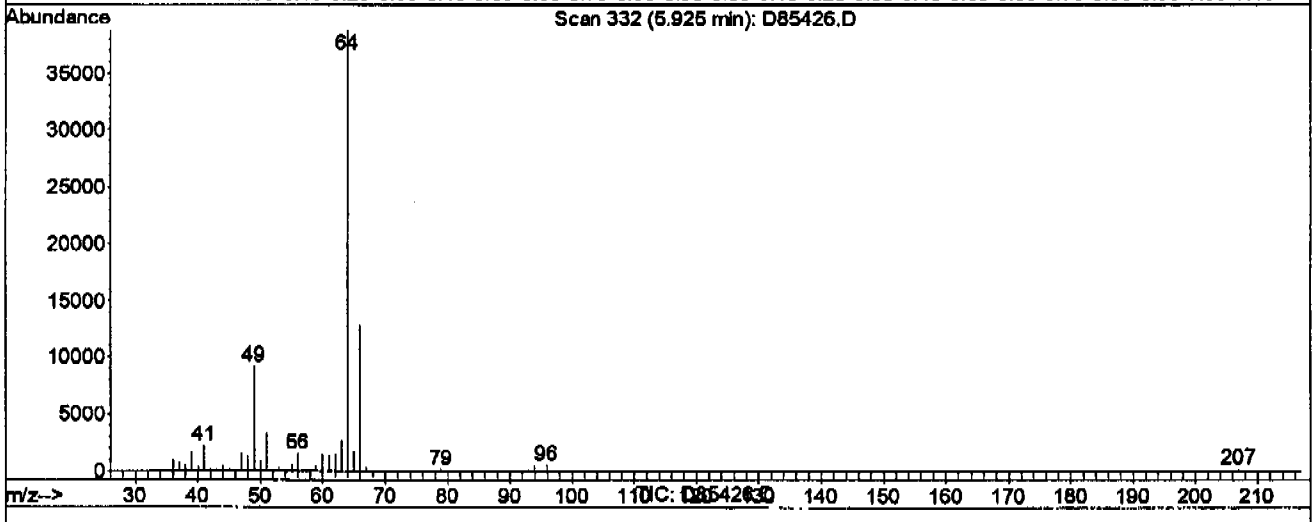
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(9) chloroethane (M)

5.93min 126.80ug/L m

response 223386

Ion	Exp%	Act%
64.00	100	100
66.00	30.80	33.11
49.00	21.10	23.62
0.00	0.00	0.00

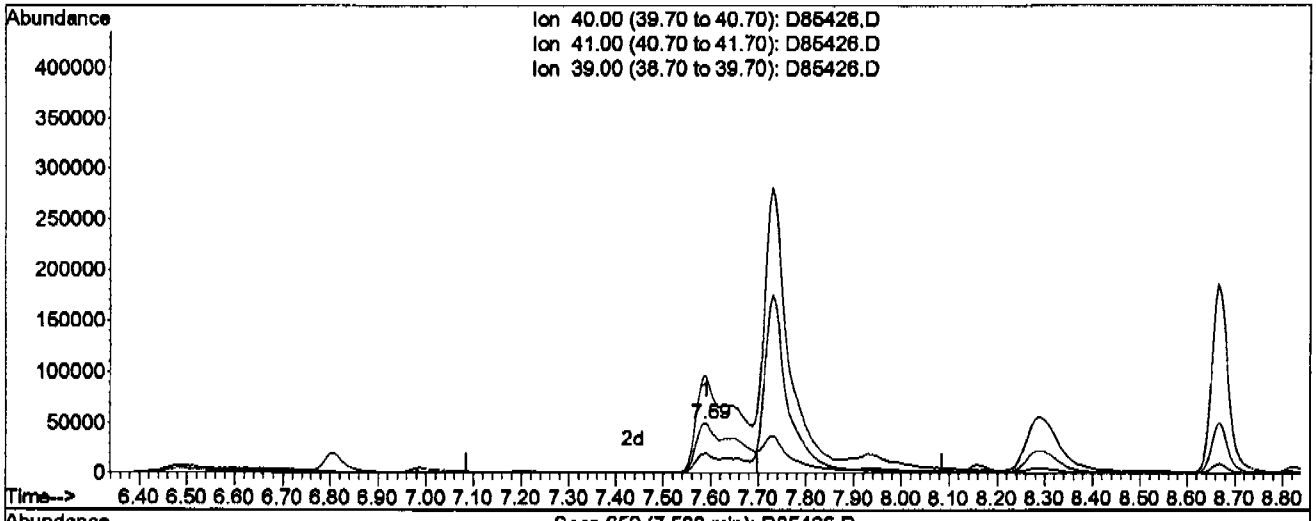
373

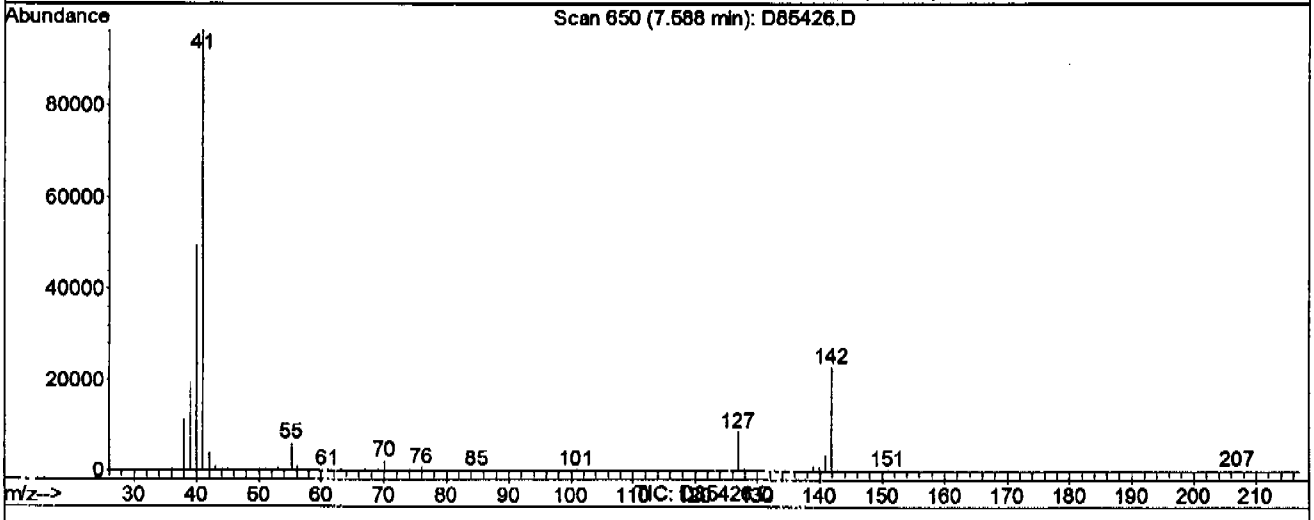
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(16) acetonitrile (M)

7.69min 1229.07ug/L m

response 289571

Ion	Exp%	Act%
40.00	100	100
41.00	194.00	195.28
39.00	36.20	39.84
0.00	0.00	0.00

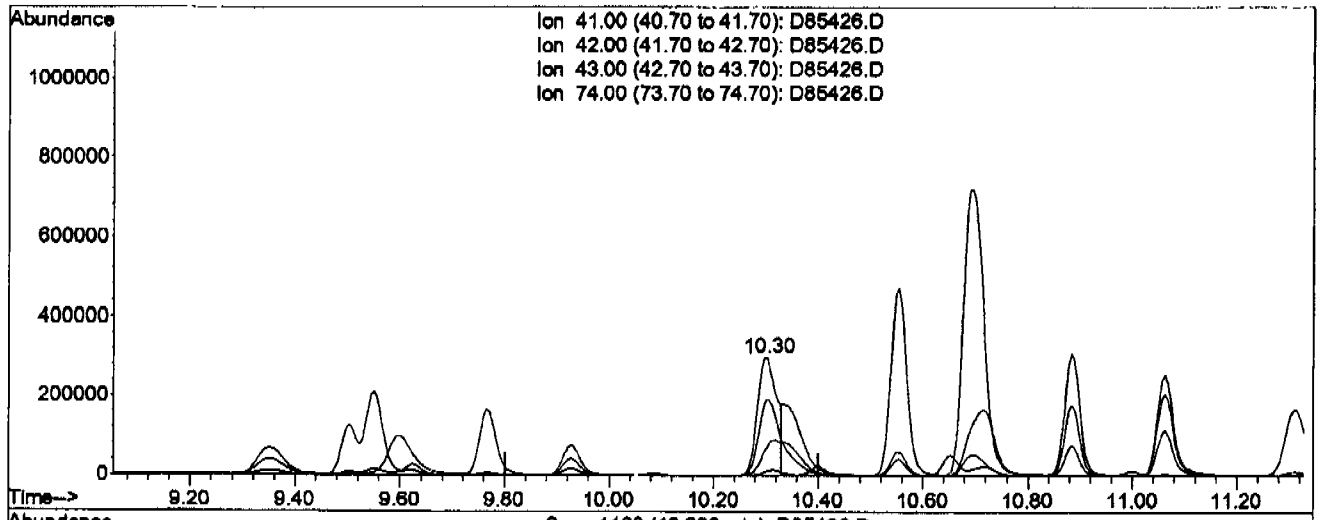
D85426.D MD3408.M Tue Aug 10 09:55:22 2004 MSD

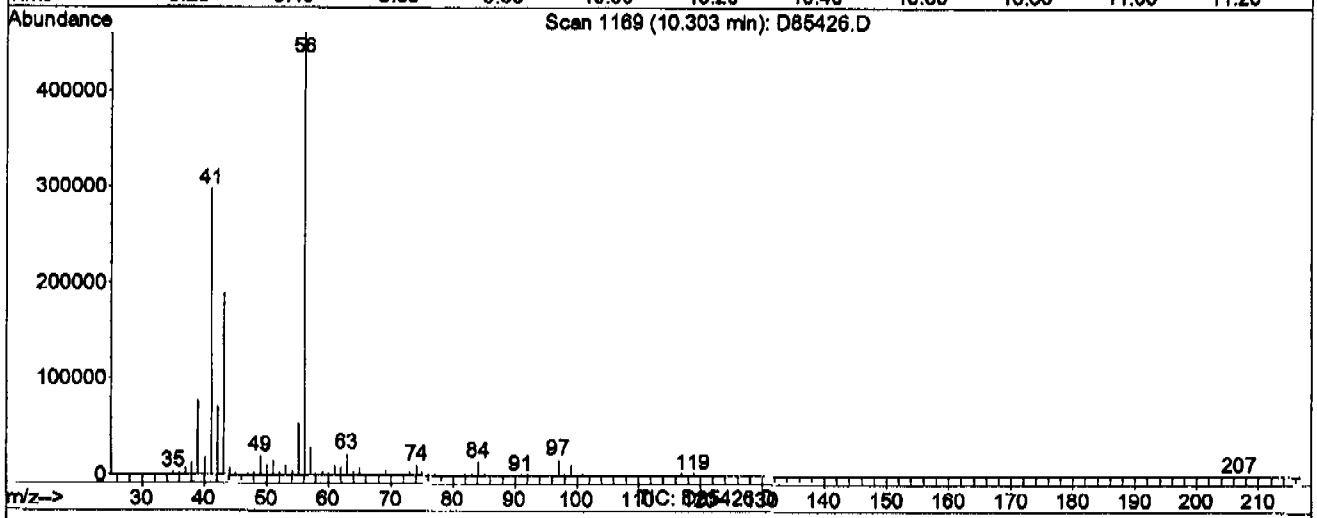
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) Iso-butyl alcohol (M)

10.30min 1660.35ug/L m

response 760817

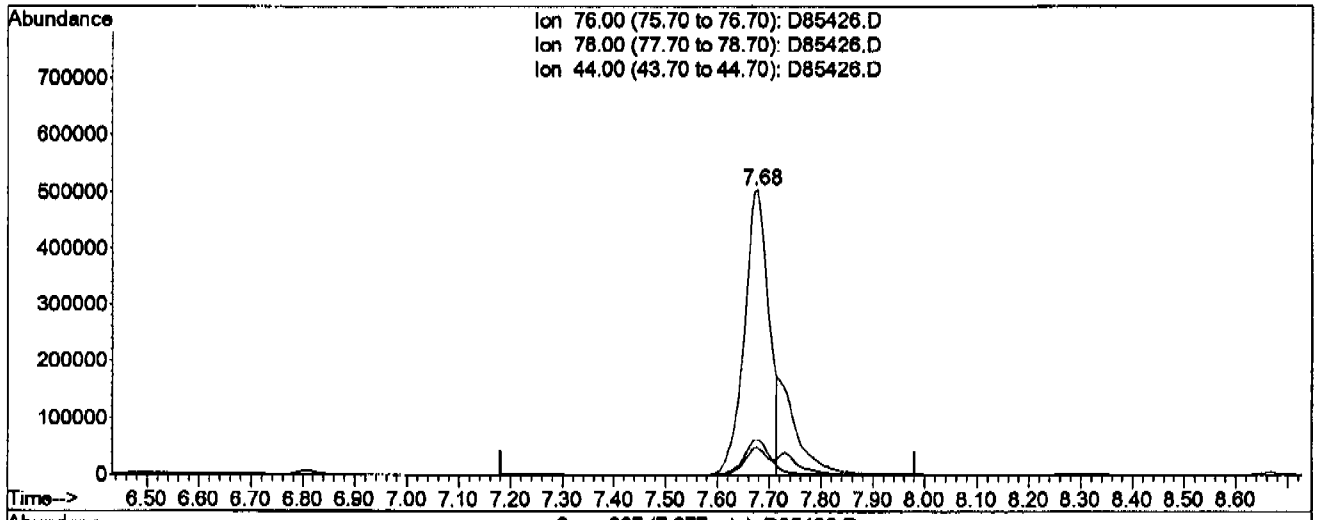
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	23.88
43.00	64.90	63.81
74.00	2.90	3.56

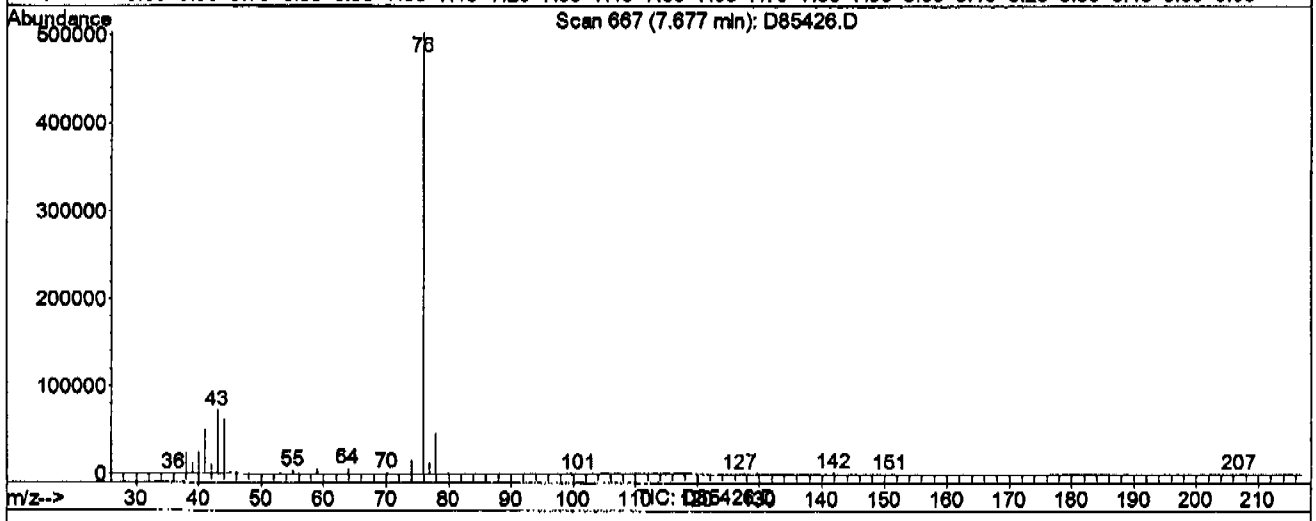
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 182.00ug/L m

response 1642470

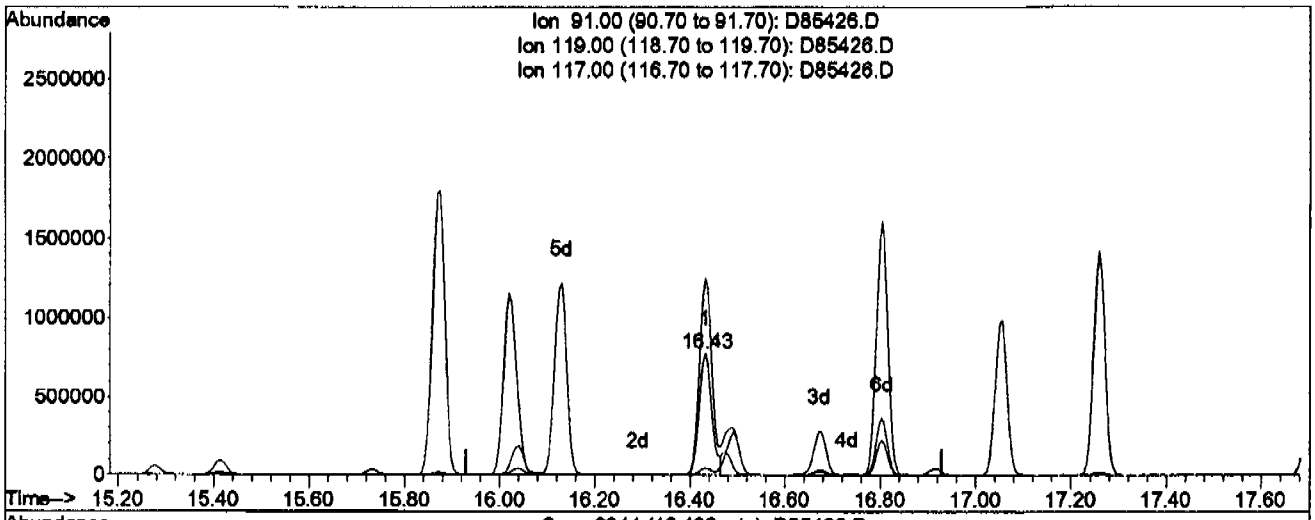
Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.36
44.00	12.80	12.33
0.00	0.00	0.00

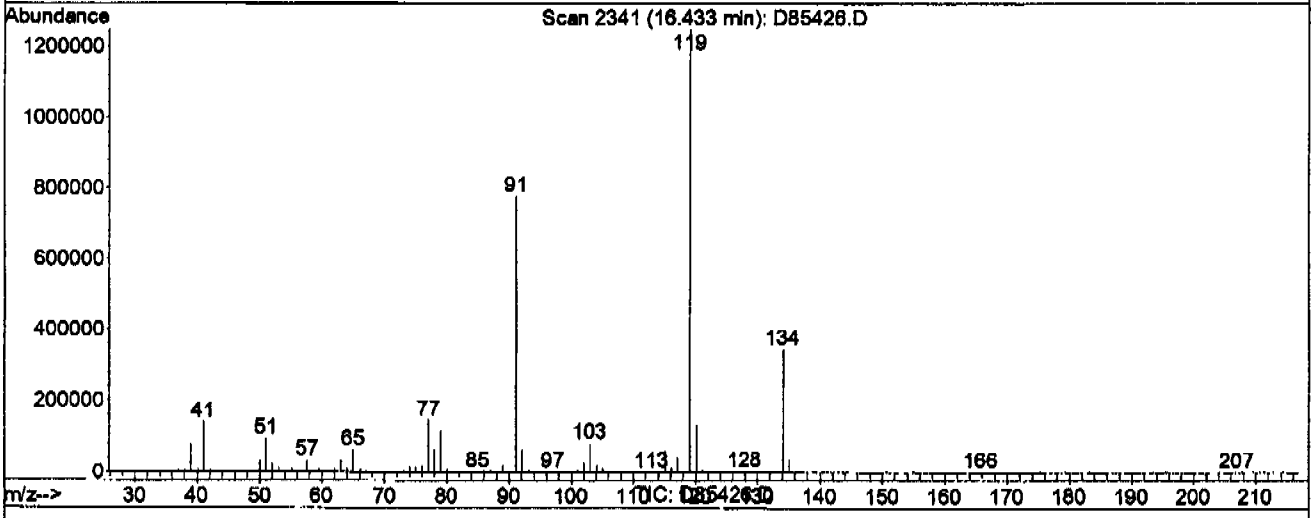
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85426.D
Acq On : 9 Aug 2004 10:14 pm
Sample : IC3408-200
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:29 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 207.92ug/L m

response 1445981

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	160.45
117.00	5.60	5.50
0.00	0.00	0.00

377

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	211939	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	470808	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	687277	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	648580	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	390740	50.00 ug/L	0.00
System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	199101	49.22 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 98.44%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	222768	47.06 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 94.12%		
65) toluene-d8 (s)	12.71	98	813759	50.09 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 100.18%		
88) 4-bromofluorobenzene (s)	15.61	95	318752	49.57 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 99.14%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.94	59	149571	514.04 ug/L	94
4) chlorodifluoromethane	4.43	51	357067	95.24 ug/L	96
5) dichlorodifluoromethane	4.41	85	276784	101.71 ug/L	98
6) chloromethane	4.81	50	277274	84.13 ug/L	99
7) vinyl chloride	5.09	62	299801	93.43 ug/L	100
8) bromomethane	5.75	94	168622	75.52 ug/L	97
9) chloroethane	5.94	64	148667	80.84 ug/L	97
10) trichlorofluoromethane	6.43	101	389923m	101.23 ug/L	
11) ethyl ether	6.81	74	191808	106.05 ug/L	98
12) acrolein	6.99	56	235884	919.95 ug/L	99
13) 1,1-dichloroethene	7.27	96	287777	103.59 ug/L	94
14) acetone	7.21	43	99245	88.70 ug/L	98
15) allyl chloride	7.73	41	592563	101.04 ug/L	96
16) acetonitrile	7.59	40	172503	701.41 ug/L	99
17) iodomethane	7.53	142	525773	106.36 ug/L	100
18) iso-butyl alcohol	10.30	41	410250m	857.68 ug/L	
19) carbon disulfide	7.68	76	893671m	94.86 ug/L	
20) methylene chloride	7.90	84	335770	99.87 ug/L	96
21) methyl acetate	7.70	43	235685	96.02 ug/L	98
22) methyl tert butyl ether	8.29	73	870081	106.52 ug/L	99
23) trans-1,2-dichloroethene	8.30	96	310967	102.86 ug/L	96
24) di-isopropyl ether	8.88	45	907318	101.47 ug/L	98
25) ethyl tert-butyl ether	9.35	59	881854	104.15 ug/L	99
26) 2-butanone	9.51	72	42107	115.25 ug/L	98
27) 1,1-dichloroethane	8.84	63	524952	97.60 ug/L	99
28) chloroprene	8.98	53	357678	106.06 ug/L	98
29) acrylonitrile	8.16	53	652999	521.46 ug/L	99
30) vinyl acetate	8.83	86	67632	132.58 ug/L	88
31) ethyl acetate	9.55	45	35737	108.54 ug/L	50
32) 2,2-dichloropropane	9.60	77	357690	93.30 ug/L	99
33) cis-1,2-dichloroethene	9.56	96	337603	102.23 ug/L	97
34) propionitrile	9.55	54	490803	1034.98 ug/L	99
35) bromochloromethane	9.86	128	177684	105.85 ug/L	93

378

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	tetrahydrofuran	9.93	42	97145	100.55 ug/L	96
37)	chloroform	9.91	83	514696	98.51 ug/L	98
40)	freon 113	7.27	151	229718	115.40 ug/L	98
41)	methacrylonitrile	9.77	41	199752	107.02 ug/L	99
42)	1,1,1-trichloroethane	10.22	97	453078	98.63 ug/L	99
43)	tert-amyl methyl ether	10.71	73	825409	95.50 ug/L	99
45)	Di-isobutylene	11.31	57	810207	111.90 ug/L	97
46)	epichlorohydrin	12.23	57	215049	538.16 ug/L	99
47)	n-butyl alcohol	11.06	56	492483	5707.42 ug/L	96
48)	carbon tetrachloride	10.44	117	398624	100.16 ug/L	99
49)	1,1-dichloropropene	10.40	75	402958	101.80 ug/L	98
50)	hexane	8.67	57	377634	106.63 ug/L	99
51)	benzene	10.65	78	1201254	98.63 ug/L	99
52)	heptane	10.88	57	190052	104.01 ug/L	99
53)	isopropyl acetate	10.55	43	551733	103.44 ug/L	99
54)	1,2-dichloroethane	10.62	62	391208	95.52 ug/L	99
55)	trichloroethene	11.36	95	309426	99.39 ug/L	98
56)	2-nitropropane	12.07	43	90793	122.84 ug/L	99
57)	2-chloroethyl vinyl ether	12.13	63	980215	508.83 ug/L	97
58)	methyl methacrylate	11.61	69	345050	109.72 ug/L	92
59)	1,2-dichloropropane	11.60	63	312729	99.32 ug/L	100
60)	methylcyclohexane	11.65	83	515417	106.75 ug/L	96
61)	dibromomethane	11.75	93	200443	101.65 ug/L	100
62)	1,4-dioxane	11.71	88	87335	2809.12 ug/L	95
63)	bromodichloromethane	11.88	83	405211	103.17 ug/L	100
64)	cis-1,3-dichloropropene	12.37	75	540547	106.11 ug/L	98
66)	4-methyl-2-pentanone	12.46	43	477343	107.14 ug/L	100
67)	toluene	12.79	92	791314	101.33 ug/L	97
68)	3-methyl-1-butanol	12.45	70	202217	2469.58 ug/L	96
69)	trans-1,3-dichloropropene	12.94	75	497791	106.25 ug/L	98
70)	ethyl methacrylate	12.97	69	452727	114.85 ug/L	95
71)	1,1,2-trichloroethane	13.17	83	248268	102.73 ug/L	98
72)	2-hexanone	13.37	43	210525	107.87 ug/L	96
74)	tetrachloroethene	13.43	166	392022	101.70 ug/L	99
75)	1,3-dichloropropane	13.37	76	509142	101.49 ug/L	100
76)	butyl acetate	13.47	56	217307	110.01 ug/L	97
77)	dibromochloromethane	13.66	129	348831	112.99 ug/L	98
78)	1,2-dibromoethane	13.83	107	311783	106.45 ug/L	98
79)	chlorobenzene	14.37	112	944842	101.74 ug/L	99
80)	1,1,1,2-tetrachloroethane	14.42	131	340185	104.39 ug/L	98
81)	ethylbenzene	14.45	91	1483220	102.51 ug/L	97
82)	m,p-xylene	14.56	106	1188338	207.42 ug/L	95
83)	o-xylene	15.02	106	602897	104.58 ug/L	99
84)	styrene	15.02	104	995271	110.51 ug/L	100
85)	bromoform	15.28	173	262354	119.63 ug/L	99
87)	isopropylbenzene	15.41	105	1436684	108.29 ug/L	99
89)	bromobenzene	15.83	156	438599	105.15 ug/L	98
90)	cyclohexanone	15.54	55	224208	89.62 ug/L	99
91)	1,1,2,2-tetrachloroethane	15.68	83	413768	103.66 ug/L	100

379

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:18:09 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	118379	110.64 ug/L	94
93)	1,2,3-trichloropropane	15.77	77	103711	90.11 ug/L	98
94)	n-propylbenzene	15.87	91	1783625	104.84 ug/L	98
95)	2-chlorotoluene	16.02	91	1225063	102.89 ug/L	100
96)	4-chlorotoluene	16.13	91	1134633	103.80 ug/L	100
97)	1,3,5-trimethylbenzene	16.03	105	1299135	107.15 ug/L	100
98)	tert-butylbenzene	16.43	91	738165m	106.09 ug/L	
99)	pentachloroethane	16.49	167	280207	115.40 ug/L	98
100)	1,2,4-trimethylbenzene	16.47	105	1370980	108.24 ug/L	99
101)	sec-butylbenzene	16.67	105	1732307	108.79 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	859670	104.12 ug/L	100
103)	p-isopropyltoluene	16.80	119	1509237	110.35 ug/L	99
104)	1,4-dichlorobenzene	16.94	146	890392	102.94 ug/L	100
105)	1,2-dichlorobenzene	17.37	146	840239	104.22 ug/L	99
106)	n-butylbenzene	17.26	91	1293266	106.43 ug/L	99
107)	1,2-dibromo-3-chloropropan	18.19	75	76099	110.89 ug/L	92
108)	1,2,4-trichlorobenzene	19.17	180	579384	110.97 ug/L	100
109)	hexachlorobutadiene	19.33	225	289421	104.75 ug/L	99
110)	naphthalene	19.48	128	1199860	122.50 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	477580	114.97 ug/L	100
112)	hexachloroethane	17.70	119	271673	118.16 ug/L	99
113)	Cyclohexane	10.34	84	472419	105.68 ug/L #	100

380

(#) = qualifier out of range (m) = manual integration

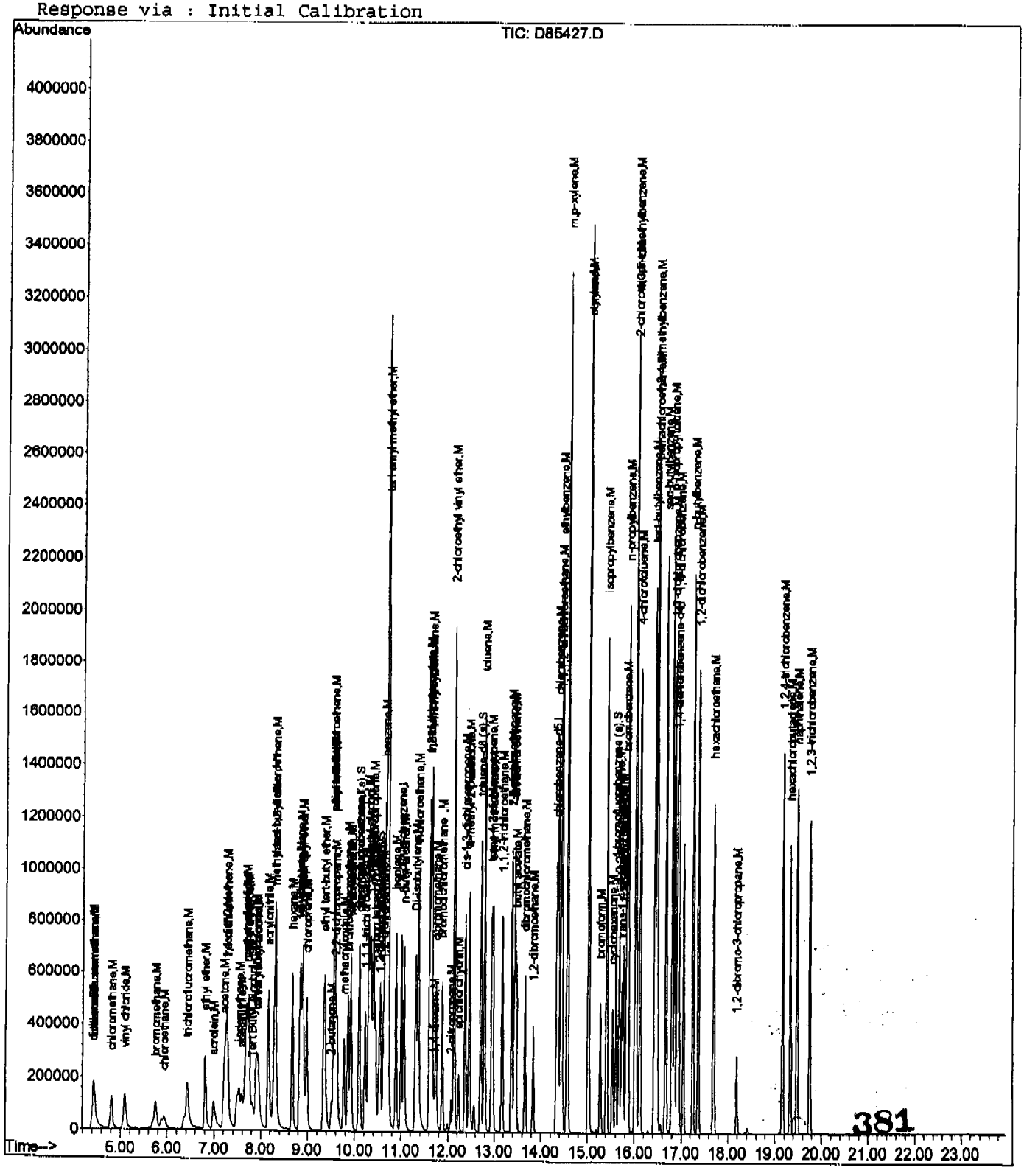
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Initial Calibration

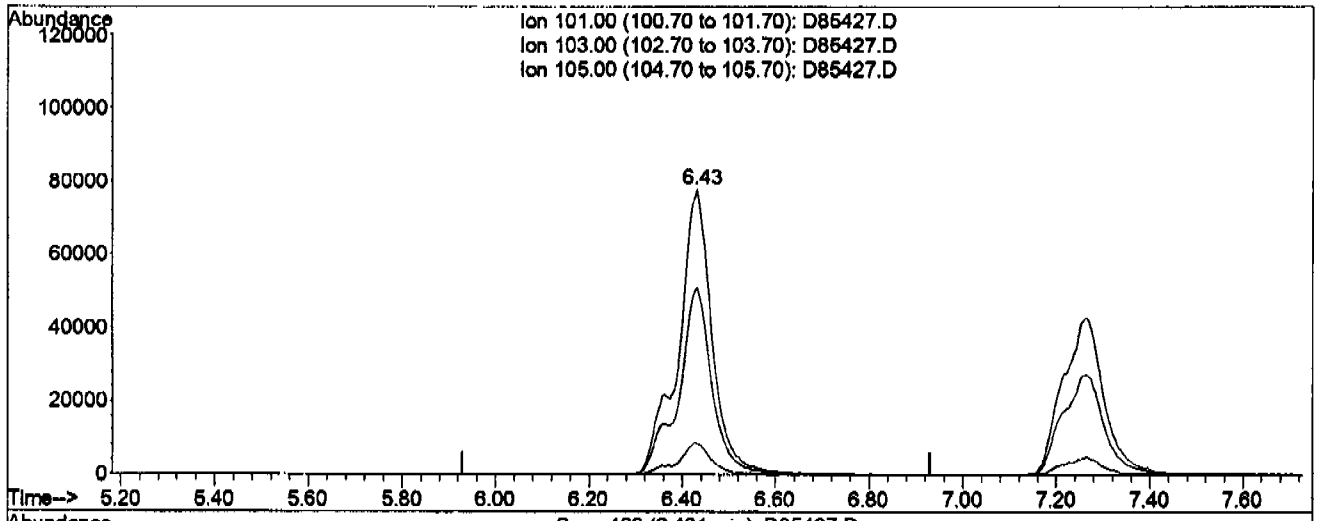


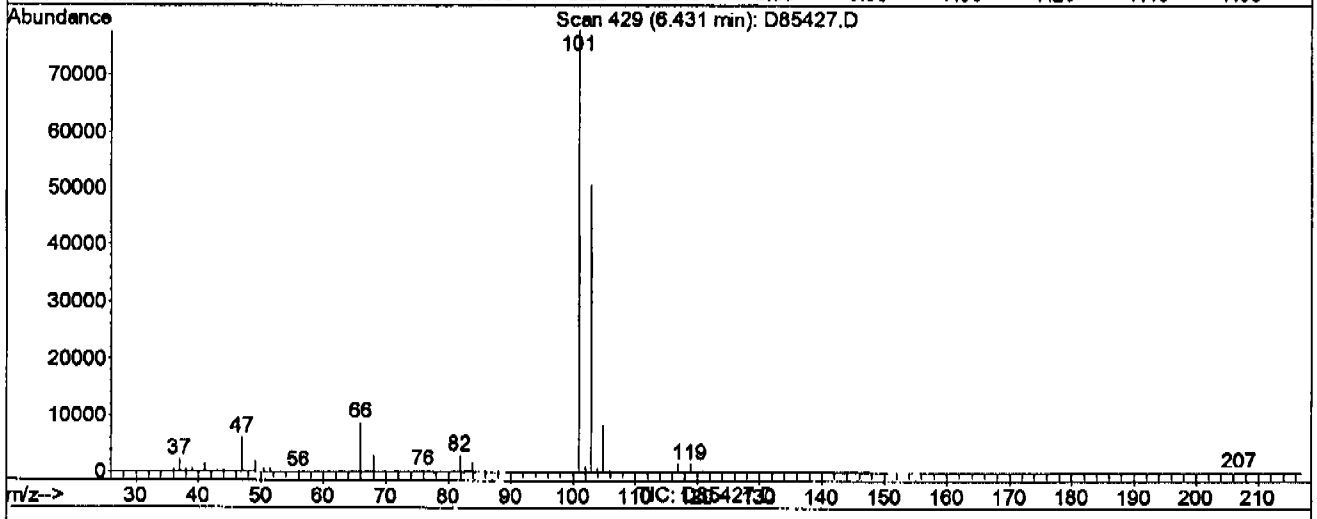
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(10) trichlorofluoromethane (M)

6.43min 101.23ug/L m

response 389923

Ion	Exp%	Act%
101.00	100	100
103.00	63.30	64.98
105.00	10.90	10.77
0.00	0.00	0.00

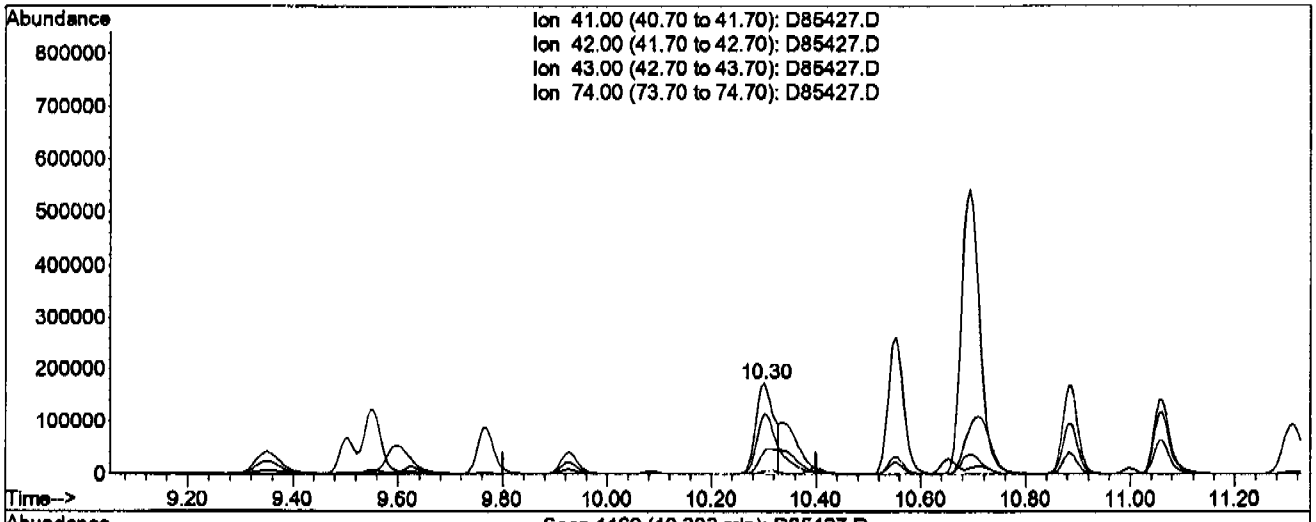
382

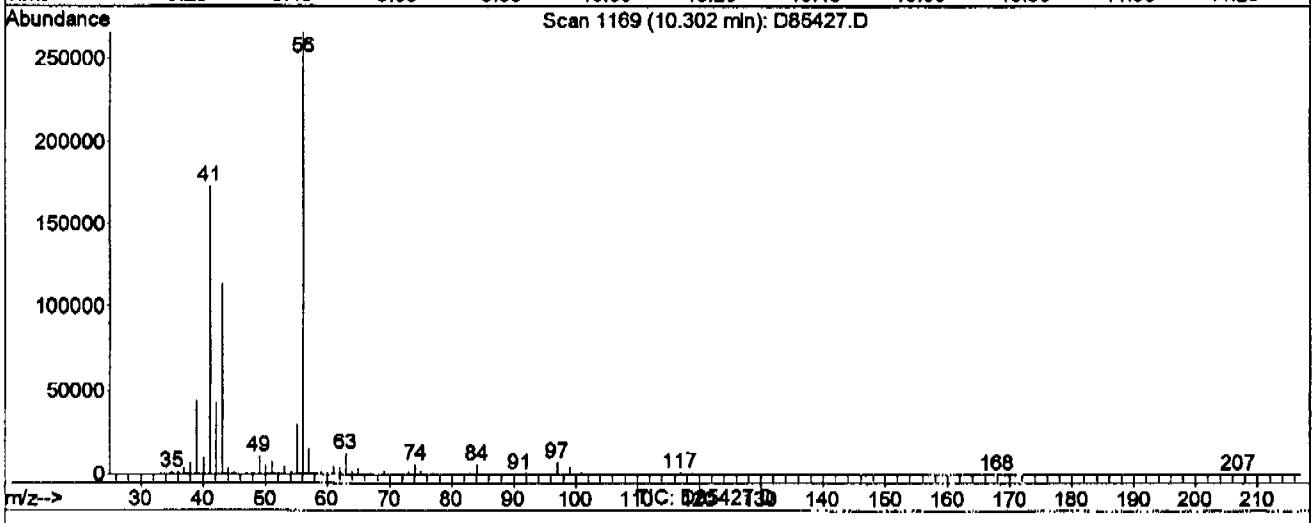
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 857.68ug/L m

response 410250

Ion	Exp%	Act%
41.00	100	100
42.00	23.60	24.75
43.00	64.90	65.52
74.00	2.90	3.53

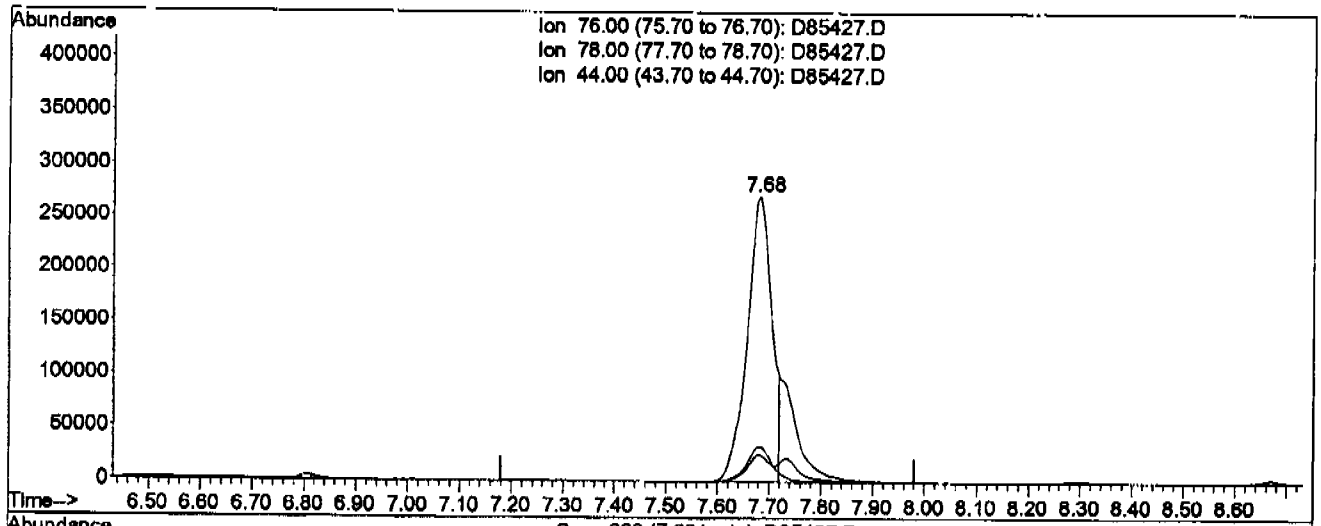
Quantitation Report (Qedit)

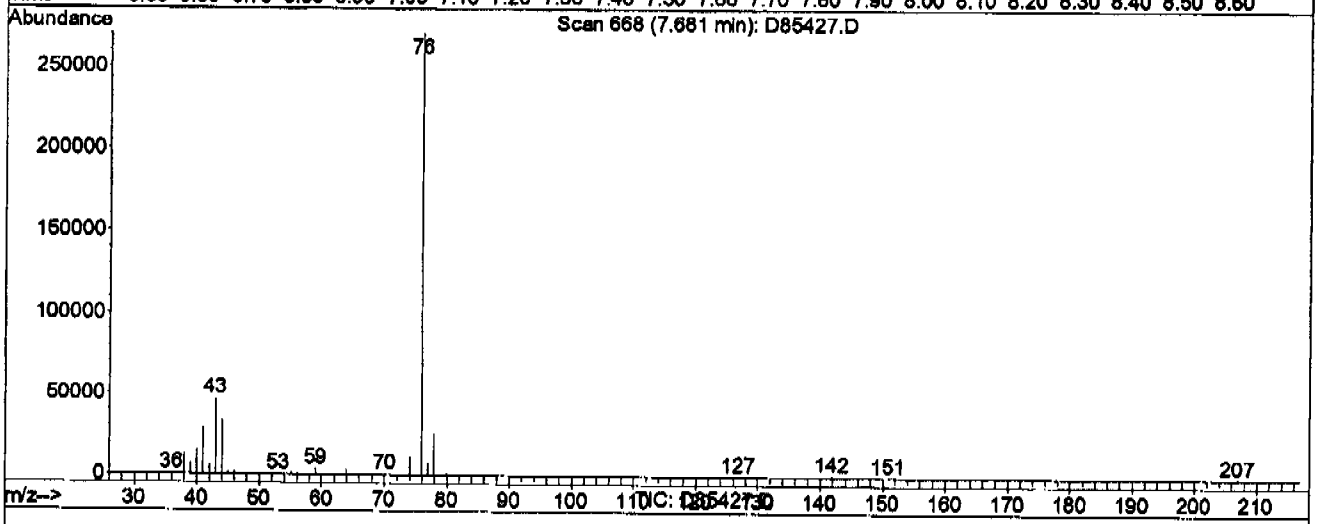
Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 94.86ug/L m

response 893671

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.24
44.00	12.80	12.02
0.00	0.00	0.00

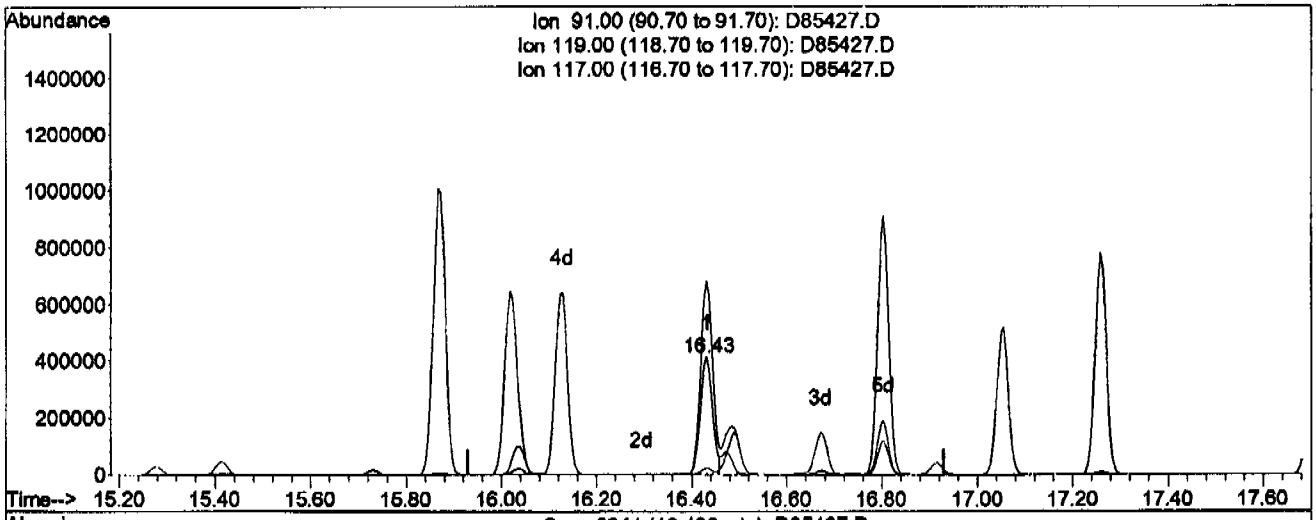
384

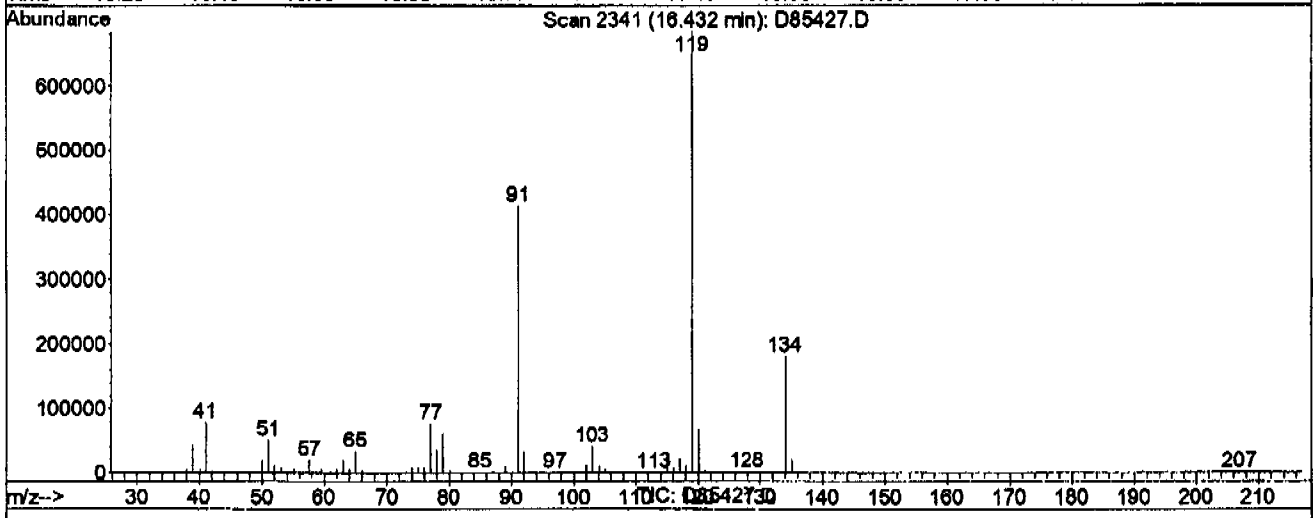
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85427.D
Acq On : 9 Aug 2004 10:44 pm
Sample : IC3408-100
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 10 8:30 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Tue Aug 10 08:47:54 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 106.09ug/L m

response 738165

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	165.59
117.00	5.60	5.49
0.00	0.00	0.00

Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: VD3415-CC3408
Lab FileID: D85606.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	98	0.00	7.81
2	M	tertiary butyl alcohol	0.687	0.661	3.8	93	0.00	7.93
3	I	pentafluorobenzene	1.000	1.000	0.0	99	0.00	10.08
4	M	chlorodifluoromethane	0.398	0.436	-9.5	109	0.00	4.43
5	M	dichlorodifluoromethane	0.289	0.264	8.7	88	0.00	4.42
6	M	chloromethane	0.350	0.319	8.9	91	0.00	4.79
7	M	vinyl chloride	0.341	0.314	7.9	93	-0.01	5.07
		----------	True	Calc.	% Drift	----------		
8	M	bromomethane	20.000	23.526	-17.6	126	0.00	5.74
9	M	chloroethane	20.000	21.794	-9.0	101	0.00	5.94
		----------	AvgRF	CCRF	% Dev	----------		
10	M	trichlorofluoromethane	0.404	0.375	7.2	90	-0.02	6.41
11	M	ethyl ether	0.192	0.208	-8.3	105	0.00	6.81
12	M	acrolein	0.027	0.018	33.3#	70	0.00	7.00
13	M	1,1-dichloroethene	0.295	0.308	-4.4	107	0.00	7.27
14	M	acetone	0.108	0.100	7.4	93	0.00	7.21
15	M	allyl chloride	0.623	0.646	-3.7	98	0.00	7.74
16	M	acetonitrile	0.018	0.015	16.7	79	0.00	7.60
17	M	iodomethane	0.525	0.553	-5.3	105	0.00	7.52
18	M	iso-butyl alcohol	0.044	0.046	-4.5	107	0.00	10.30
19	M	carbon disulfide	0.965	0.959	0.6	99	0.00	7.67
20	M	methylene chloride	0.357	0.371	-3.9	105	0.00	7.90
21	M	methyl acetate	0.261	0.263	-0.8	104	0.00	7.70
22	M	methyl tert butyl ether	0.867	0.750	13.5	83	0.00	8.29
23	M	trans-1,2-dichloroethene	0.321	0.340	-5.9	104	0.00	8.31
24	M	di-isopropyl ether	0.950	0.974	-2.5	99	0.00	8.88
25	M	ethyl tert-butyl ether	0.899	0.800	11.0	86	0.00	9.34
26	M	2-butanone	0.042	0.042	0.0	103	0.00	9.50
27	M	1,1-dichloroethane	0.571	0.595	-4.2	102	0.00	8.84
28	M	chloroprene	0.358	0.378	-5.6	103	0.00	8.98
29	M	acrylonitrile	0.133	0.143	-7.5	103	0.00	8.16
30	M	vinyl acetate	0.065	0.069	-6.2	110	0.00	8.82
31	M	ethyl acetate	0.040	0.039	2.5	82	0.00	9.55
32	M	2,2-dichloropropane	0.407	0.404	0.7	98	0.00	9.59
33	M	cis-1,2-dichloroethene	0.351	0.368	-4.8	102	0.00	9.56
34	M	propionitrile	0.050	0.054	-8.0	101	0.00	9.55
35	M	bromochloromethane	0.178	0.183	-2.8	100	0.00	9.85
36	M	tetrahydrofuran	0.103	0.103	0.0	99	0.00	9.93
37	M	chloroform	0.555	0.561	-1.1	100	0.00	9.91

Continuing Calibration Summary

Job Number: N74914 **Sample:** VD3415-CC3408
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** D85606.D
Project: Former Camp Butner, NC

38	S	dibromofluoromethane (s)	0.430	0.439	-2.1	102	0.00	10.10
39	S	1,2-dichloroethane-d4 (s)	0.503	0.508	-1.0	97	0.00	10.52
40	M	freon 113	0.234	0.229	2.1	104	0.00	7.26
41	M	methacrylonitrile	0.199	0.208	-4.5	98	0.00	9.77
42	M	1,1,1-trichloroethane	0.488	0.480	1.6	98	0.00	10.22
43	M	tert-amyl methyl ether	0.918	0.895	2.5	91	0.00	10.71
44	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	10.99
45	M	Di-isobutylene	0.527	0.539	-2.3	102	0.00	11.31
46	M	epichlorohydrin	0.029	0.026	10.3	87	0.00	12.22
47	M	n-butyl alcohol	0.006	0.007#	-16.7	102	0.00	11.06
48	M	carbon tetrachloride	0.290	0.283	2.4	98	0.00	10.44
49	M	1,1-dichloropropene	0.288	0.297	-3.1	103	0.00	10.40
50	M	hexane	0.258	0.290	-12.4	118	0.00	8.67
51	M	benzene	0.886	0.922	-4.1	104	0.00	10.65
52	M	heptane	0.133	0.147	-10.5	111	0.00	10.88
53	M	isopropyl acetate	0.388	0.388	0.0	100	0.00	10.55
54	M	1,2-dichloroethane	0.298	0.295	1.0	99	0.00	10.61
55	M	trichloroethene	0.227	0.230	-1.3	102	0.00	11.36
		----------	True	Calc.	% Drift	----------		
56	M	2-nitropropane	20.000	17.065	14.7	95	0.00	12.07
		----------	AvgRF	CCRF	% Dev	----------		
57	M	2-chloroethyl vinyl ether	0.140	0.157	-12.1	103	0.00	12.12
58	M	methyl methacrylate	0.229	0.246	-7.4	103	0.00	11.61
59	M	1,2-dichloropropane	0.229	0.237	-3.5	100	0.00	11.60
60	M	methylcyclohexane	0.351	0.370	-5.4	108	0.00	11.64
61	M	dibromomethane	0.143	0.145	-1.4	101	0.00	11.74
62	M	1,4-dioxane	0.002	0.002#	0.0	91	0.00	11.71
63	M	bromodichloromethane	0.286	0.286	0.0	99	0.00	11.87
64	M	cis-1,3-dichloropropene	0.371	0.374	-0.8	98	0.00	12.36
65	S	toluene-d8 (s)	1.182	1.181	0.1	100	0.00	12.71
66	M	4-methyl-2-pentanone	0.324	0.340	-4.9	99	0.00	12.46
67	M	toluene	0.568	0.576	-1.4	101	0.00	12.79
		----------	True	Calc.	% Drift	----------		
68	M	3-methyl-1-butanol	400.000	381.424	4.6	102	0.00	12.45
		----------	AvgRF	CCRF	% Dev	----------		
69	M	trans-1,3-dichloropropene	0.341	0.337	1.2	94	0.00	12.94
70	M	ethyl methacrylate	0.298	0.306	-2.7	99	0.00	12.97
71	M	1,1,2-trichloroethane	0.176	0.177	-0.6	100	0.00	13.17
72	M	2-hexanone	0.142	0.148	-4.2	97	0.00	13.37
73	I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	14.33
74	M	tetrachloroethene	0.297	0.290	2.4	96	0.00	13.43
75	M	1,3-dichloropropane	0.387	0.398	-2.8	99	0.00	13.37
76	M	butyl acetate	0.152	0.163	-7.2	100	0.00	13.47
77	M	dibromochloromethane	0.238	0.237	0.4	96	0.00	13.66
78	M	1,2-dibromoethane	0.226	0.231	-2.2	100	0.00	13.83
79	M	chlorobenzene	0.716	0.716	0.0	99	0.00	14.37
80	M	1,1,1,2-tetrachloroethane	0.251	0.247	1.6	96	0.00	14.43
81	M	ethylbenzene	1.115	1.154	-3.5	100	0.00	14.45
82	M	m,p-xylene	0.442	0.463	-4.8	100	0.00	14.56
83	M	o-xylene	0.444	0.474	-6.8	99	0.00	15.02
84	M	styrene	0.694	0.748	-7.8	97	0.00	15.02
		----------	True	Calc.	% Drift	----------		
85	M	bromoform	20.000	17.698	11.5	94	0.00	15.28

Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Sample: VD3415-CC3408
Lab FileID: D85606.D

			AvgRF	CCRF	% Dev			
86	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	16.92
87	M	isopropylbenzene	1.698	1.788	-5.3	99	0.00	15.41
88	S	4-bromofluorobenzene (s)	0.823	0.822	0.1	97	0.00	15.61
89	M	bromobenzene	0.534	0.532	0.4	96	0.00	15.83
90	M	cyclohexanone	0.320	0.203	36.6#	45#	0.00	15.53
91	M	1,1,2,2-tetrachloroethane	0.511	0.531	-3.9	100	0.00	15.68
92	M	trans-1,4-dichloro-2-bute	0.137	0.078	43.1#	54	0.00	15.73
93	M	1,2,3-trichloropropane	0.134	0.141	-5.2	104	0.00	15.76
94	M	n-propylbenzene	2.177	2.289	-5.1	98	0.00	15.87
95	M	2-chlorotoluene	1.524	1.584	-3.9	97	0.00	16.02
96	M	4-chlorotoluene	1.399	1.444	-3.2	98	0.00	16.13
97	M	1,3,5-trimethylbenzene	1.551	1.612	-3.9	97	0.00	16.03
98	M	tert-butylbenzene	0.894	0.926	-3.6	97	0.00	16.43
99	M	pentachloroethane	0.311	0.334	-7.4	100	0.00	16.49
100	M	1,2,4-trimethylbenzene	1.621	1.694	-4.5	97	0.00	16.47
101	M	sec-butylbenzene	2.038	2.126	-4.3	97	0.00	16.67
102	M	1,3-dichlorobenzene	1.057	1.063	-0.6	97	0.00	16.85
103	M	p-isopropyltoluene	1.750	1.833	-4.7	96	0.00	16.80
104	M	1,4-dichlorobenzene	1.107	1.103	0.4	98	0.00	16.94
105	M	1,2-dichlorobenzene	1.032	1.037	-0.5	96	0.00	17.37
106	M	n-butylbenzene	1.555	1.628	-4.7	96	0.00	17.26
107	M	1,2-dibromo-3-chloropropa	0.088	0.086	2.3	91	0.00	18.19
108	M	1,2,4-trichlorobenzene	0.668	0.682	-2.1	94	0.00	19.17
109	M	hexachlorobutadiene	0.354	0.347	2.0	93	0.00	19.33
110	M	naphthalene	1.310	1.297	1.0	93	0.00	19.48
111	M	1,2,3-trichlorobenzene	0.532	0.512	3.8	89	0.00	19.76

			True	Calc.	% Drift			
112	M	hexachloroethane	20.000	17.938	10.3	95	0.00	17.70

			AvgRF	CCRF	% Dev			
113	M	Cyclohexane	0.572	0.600	-4.9	106	0.00	10.34

(#) = Out of Range SPCC's out = 0 CCC's out = 0
D85424.D MD3408.M Fri Aug 13 19:21:55 2004 MSD

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.81	65	174207	500.00 ug/L	0.00
3) pentafluorobenzene	10.08	168	400169	50.00 ug/L	0.00
44) 1,4-difluorobenzene	10.99	114	587839	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	550086	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.92	152	329290	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	175631	51.08 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 102.16%		
39) 1,2-dichloroethane-d4 (s)	10.52	65	203467	50.57 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 101.14%		
65) toluene-d8 (s)	12.71	98	694029	49.94 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 99.88%		
88) 4-bromofluorobenzene (s)	15.61	95	270758	49.96 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 99.92%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	23029	96.27 ug/L	81
4) chlorodifluoromethane	4.43	51	69783	21.90 ug/L	99
5) dichlorodifluoromethane	4.42	85	42199	18.24 ug/L	100
6) chloromethane	4.79	50	51018	18.21 ug/L	96
7) vinyl chloride	5.07	62	50232	18.42 ug/L	99
8) bromomethane	5.74	94	37044m	23.53 ug/L	
9) chloroethane	5.94	64	30991m	21.79 ug/L	
10) trichlorofluoromethane	6.41	101	60099	18.59 ug/L	98
11) ethyl ether	6.81	74	33289	21.65 ug/L	96
12) acrolein	7.00	56	28929	135.70 ug/L	90
13) 1,1-dichloroethene	7.27	96	49372	20.91 ug/L	95
14) acetone	7.21	43	16045	18.48 ug/L	98
15) allyl chloride	7.74	41	103345	20.74 ug/L	91
16) acetonitrile	7.60	40	23332	158.81 ug/L	98
17) iodomethane	7.52	142	88466	21.05 ug/L	99
18) iso-butyl alcohol	10.30	41	74028m	210.59 ug/L	
19) carbon disulfide	7.67	76	153507m	19.87 ug/L	
20) methylene chloride	7.90	84	59412 8/13/04	20.79 ug/L	99
21) methyl acetate	7.70	43	42152	20.20 ug/L	99
22) methyl tert butyl ether	8.29	73	119989	17.28 ug/L	99
23) trans-1,2-dichloroethene	8.31	96	54398	21.17 ug/L	99
24) di-isopropyl ether	8.88	45	155827	20.50 ug/L	97
25) ethyl tert-butyl ether	9.34	59	127977	17.78 ug/L	97
26) 2-butanone	9.50	72	6685	19.96 ug/L	90
27) 1,1-dichloroethane	8.84	63	95228	20.83 ug/L	99
28) chloroprene	8.98	53	60493	21.10 ug/L	99
29) acrylonitrile	8.16	53	114124	107.22 ug/L	99
30) vinyl acetate	8.82	86	11096	21.34 ug/L	93
31) ethyl acetate	9.55	45	6320	19.94 ug/L	78
32) 2,2-dichloropropane	9.59	77	64745	19.87 ug/L	97
33) cis-1,2-dichloroethene	9.56	96	58933	21.00 ug/L	98
34) propionitrile	9.55	54	86276	214.05 ug/L	100
35) bromochloromethane	9.85	128	29311	20.54 ug/L	95

389

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	tetrahydrofuran	9.93	42	16510	20.11 ug/L	100
37)	chloroform	9.91	83	89822	20.23 ug/L	98
40)	freon 113	7.26	151	36604	19.51 ug/L	100
41)	methacrylonitrile	9.77	41	33251	20.85 ug/L	94
42)	1,1,1-trichloroethane	10.22	97	76885	19.69 ug/L	99
43)	tert-amyl methyl ether	10.71	73	143212	19.49 ug/L	92
45)	Di-isobutylene	11.31	57	126664	20.45 ug/L	99
46)	epichlorohydrin	12.22	57	30345	88.78 ug/L	99
47)	n-butyl alcohol	11.06	56	79087	1071.59 ug/L	99
48)	carbon tetrachloride	10.44	117	66536	19.55 ug/L	99
49)	1,1-dichloropropene	10.40	75	69797	20.62 ug/L	99
50)	hexane	8.67	57	68241	22.53 ug/L	99
51)	benzene	10.65	78	216796	20.81 ug/L	99
52)	heptane	10.88	57	34474	22.06 ug/L	97
53)	isopropyl acetate	10.55	43	91271	20.01 ug/L	96
54)	1,2-dichloroethane	10.61	62	69327	19.79 ug/L	99
55)	trichloroethene	11.36	95	54140	20.33 ug/L	96
56)	2-nitropropane	12.07	43	11573	17.07 ug/L	95
57)	2-chloroethyl vinyl ether	12.12	63	184478	111.96 ug/L	99
58)	methyl methacrylate	11.61	69	57825	21.50 ug/L	93
59)	1,2-dichloropropane	11.60	63	55666	20.67 ug/L	100
60)	methylcyclohexane	11.64	83	86920	21.05 ug/L	99
61)	dibromomethane	11.74	93	34019	20.17 ug/L	97
62)	1,4-dioxane	11.71	88	12185	462.25 ug/L	92
63)	bromodichloromethane	11.87	83	67363	20.05 ug/L	98
64)	cis-1,3-dichloropropene	12.36	75	87935	20.18 ug/L	98
66)	4-methyl-2-pentanone	12.46	43	79842	20.95 ug/L	100
67)	toluene	12.79	92	135454	20.28 ug/L	98
68)	3-methyl-1-butanol	12.45	70	30874	381.42 ug/L	97
69)	trans-1,3-dichloropropene	12.94	75	79229	19.77 ug/L	99
70)	ethyl methacrylate	12.97	69	71840	20.52 ug/L	97
71)	1,1,2-trichloroethane	13.17	83	41693	20.17 ug/L	99
72)	2-hexanone	13.37	43	34685	20.78 ug/L	99
74)	tetrachloroethene	13.43	166	63797	19.51 ug/L	98
75)	1,3-dichloropropane	13.37	76	87609	20.59 ug/L	99
76)	butyl acetate	13.47	56	35779	21.36 ug/L	99
77)	dibromochloromethane	13.66	129	52071	19.89 ug/L	99
78)	1,2-dibromoethane	13.83	107	50885	20.48 ug/L	97
79)	chlorobenzene	14.37	112	157467	19.99 ug/L	100
80)	1,1,1,2-tetrachloroethane	14.43	131	54403	19.68 ug/L	99
81)	ethylbenzene	14.45	91	253960	20.69 ug/L	100
82)	m,p-xylene	14.56	106	203877	41.96 ug/L	100
83)	o-xylene	15.02	106	104230	21.32 ug/L	97
84)	styrene	15.02	104	164644	21.55 ug/L	98
85)	bromoform	15.28	173	36219	17.70 ug/L	98
87)	isopropylbenzene	15.41	105	235547	21.07 ug/L	99
89)	bromobenzene	15.83	156	70016	19.92 ug/L	98
90)	cyclohexanone	15.53	55	26703	12.67 ug/L	97
91)	1,1,2,2-tetrachloroethane	15.68	83	69900	20.78 ug/L	97

390

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	10269	11.39 ug/L	93
93)	1,2,3-trichloropropane	15.76	77	18555m	21.00 ug/L	
94)	n-propylbenzene	15.87	91	301548	21.03 ug/L	100
95)	2-chlorotoluene	16.02	91	208662	20.79 ug/L	99
96)	4-chlorotoluene	16.13	91	190145	20.63 ug/L	99
97)	1,3,5-trimethylbenzene	16.03	105	212312	20.78 ug/L	100
98)	tert-butylbenzene	16.43	91	121919m	20.71 ug/L	
99)	pentachloroethane	16.49	167	43934	21.47 ug/L	98
100)	1,2,4-trimethylbenzene	16.47	105	223093	20.90 ug/L	99
101)	sec-butylbenzene	16.67	105	279990	20.86 ug/L	100
102)	1,3-dichlorobenzene	16.85	146	139998	20.12 ug/L	98
103)	p-isopropyltoluene	16.80	119	241378	20.94 ug/L	99
104)	1,4-dichlorobenzene	16.94	146	145290	19.93 ug/L	100
105)	1,2-dichlorobenzene	17.37	146	136610	20.11 ug/L	100
106)	n-butylbenzene	17.26	91	214446	20.94 ug/L	99
107)	1,2-dibromo-3-chloropropan	18.19	75	11313	19.56 ug/L	98
108)	1,2,4-trichlorobenzene	19.17	180	89830	20.42 ug/L	99
109)	hexachlorobutadiene	19.33	225	45702	19.63 ug/L	100
110)	naphthalene	19.48	128	170867	19.81 ug/L	99
111)	1,2,3-trichlorobenzene	19.76	180	67412	19.26 ug/L	98
112)	hexachloroethane	17.70	119	38226	17.94 ug/L	98
113)	Cyclohexane	10.34	84	79055	20.98 ug/L #	100

391

(#) = qualifier out of range (m) = manual integration

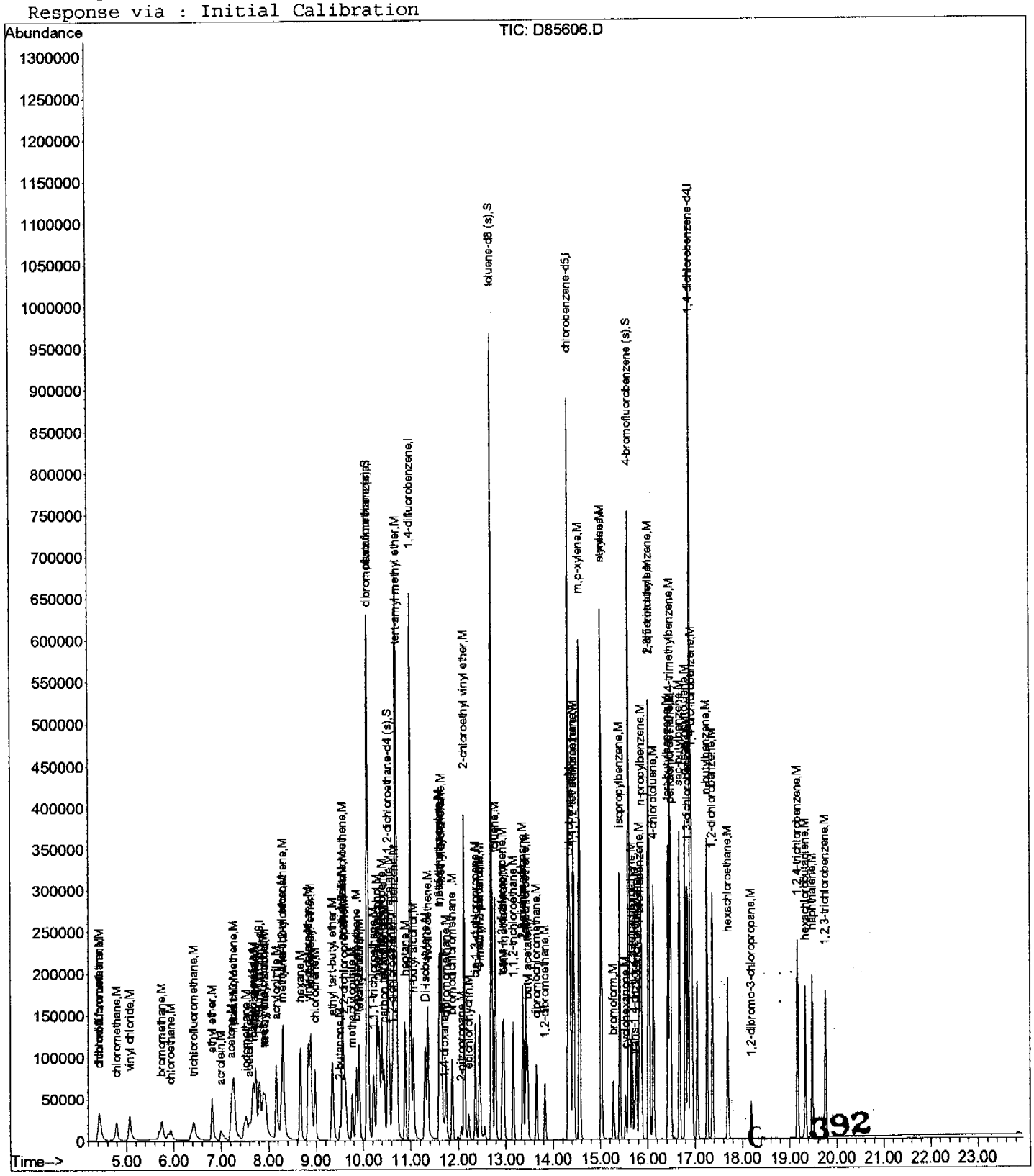
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration



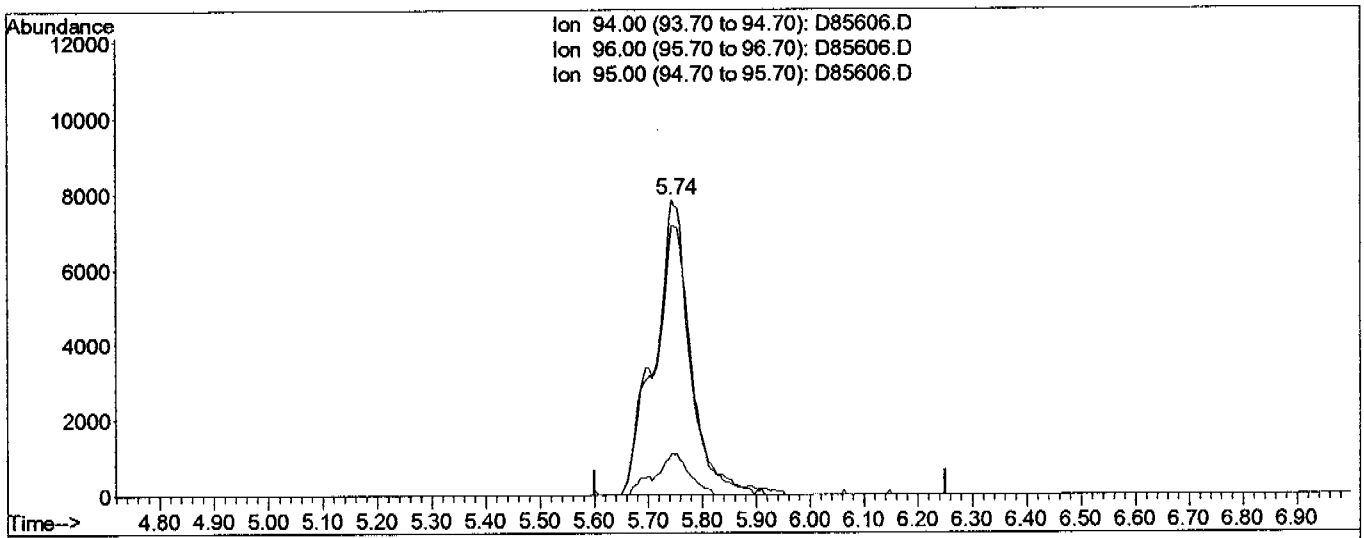
Quantitation Report (Qedit)

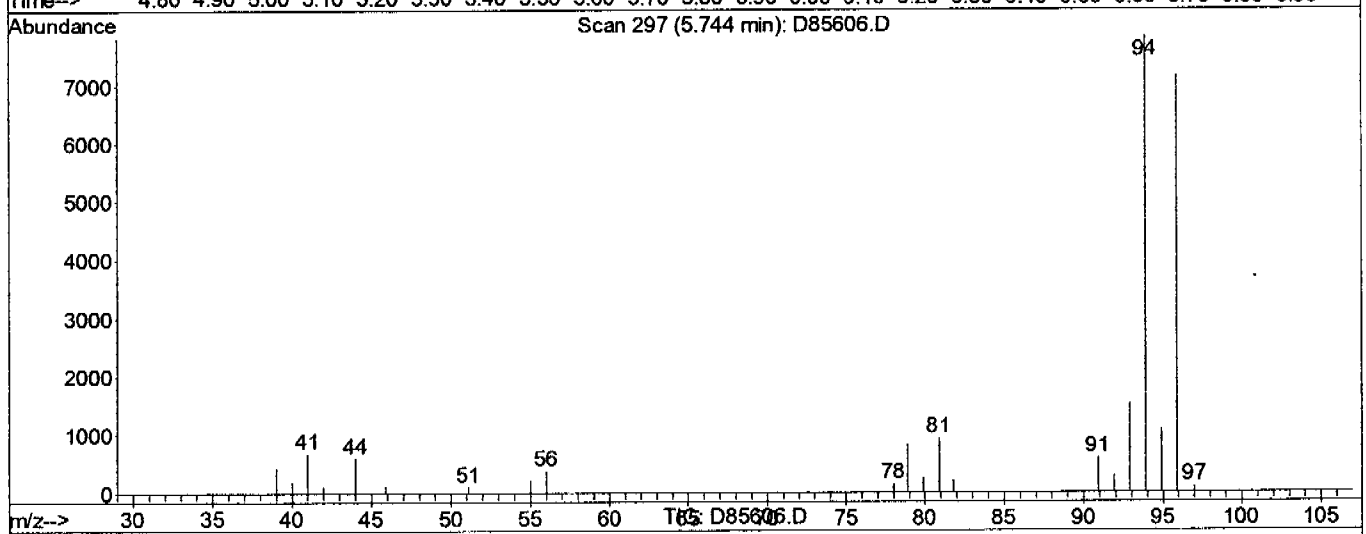
Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(8) bromomethane (M)

5.74min 23.53ug/L m

response 37044

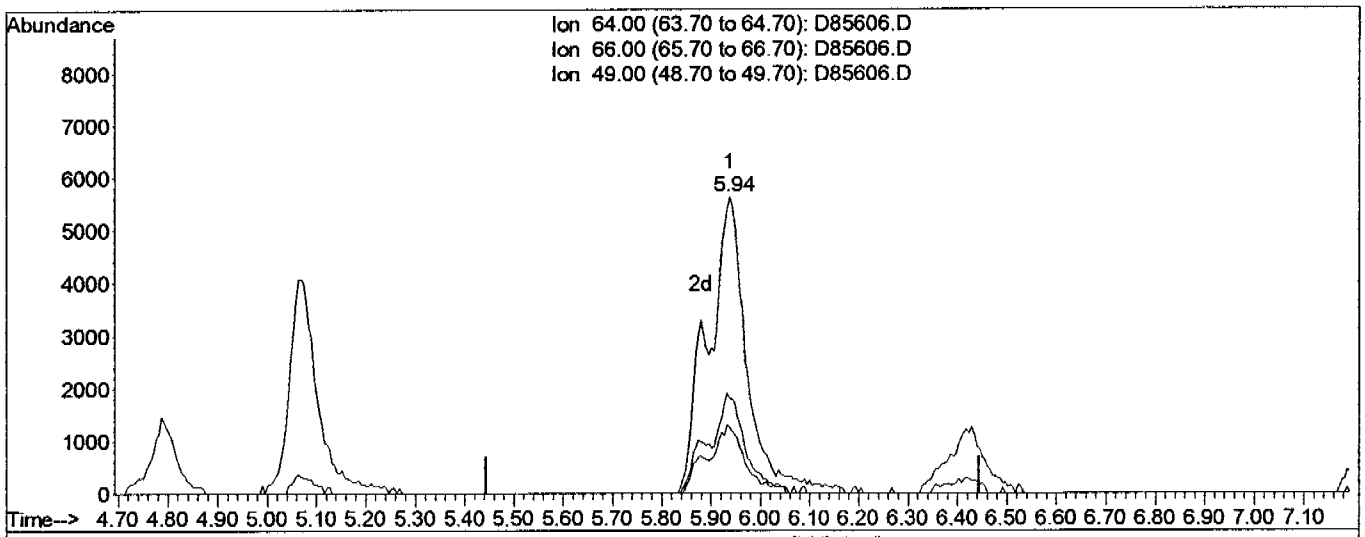
Ion	Exp%	Act%
94.00	100	100
96.00	91.90	91.41
95.00	13.60	13.94
0.00	0.00	0.00

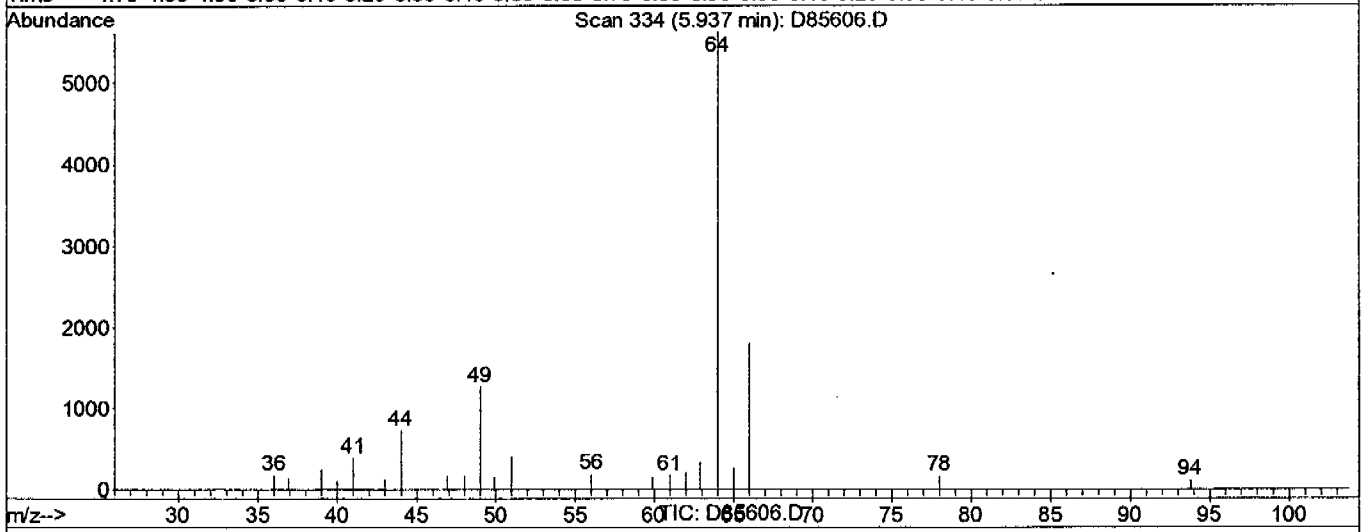
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(9) chloroethane (M)

5.94min 21.79ug/L m

response 30991

Ion	Exp%	Act%
64.00	100	100
66.00	30.80	32.00
49.00	21.10	22.50
0.00	0.00	0.00

394

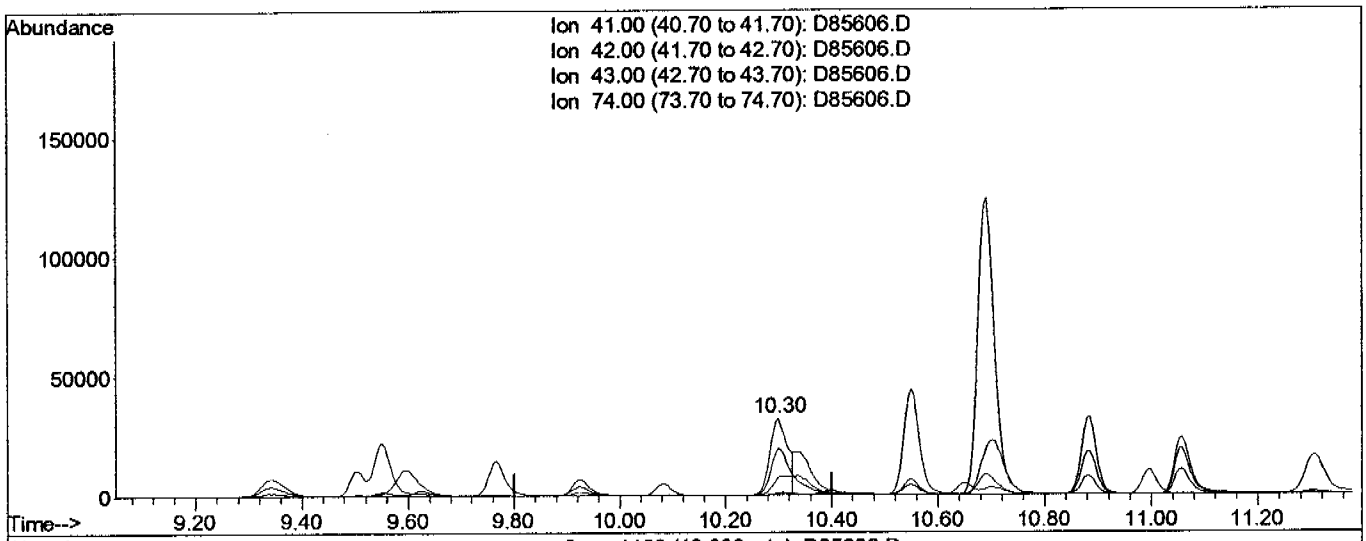
Quantitation Report (Qedit)

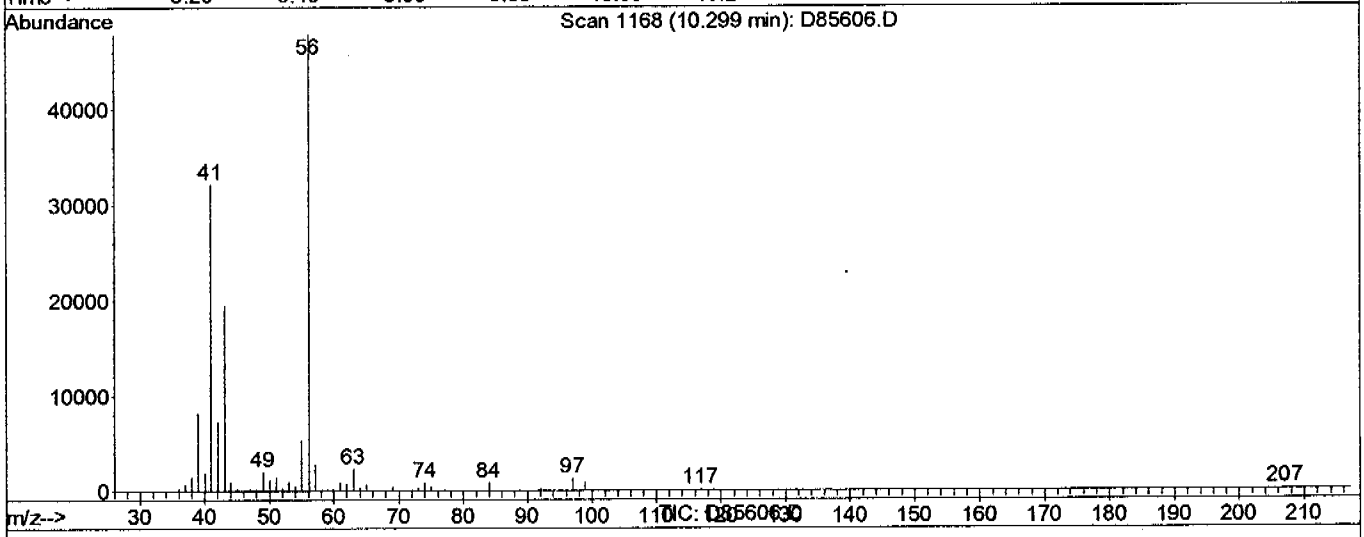
Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 210.59ug/L m

response 74028

Ion	Exp%	Act%
41.00	100	100
42.00	23.60	22.61
43.00	64.90	60.63
74.00	2.90	2.73

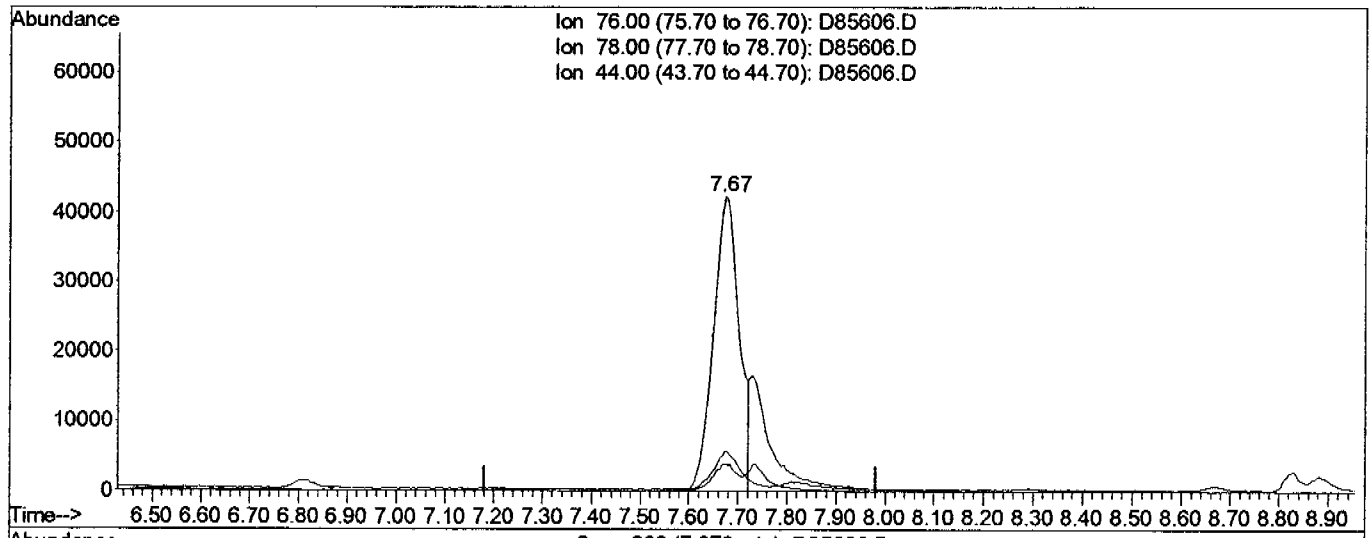
395

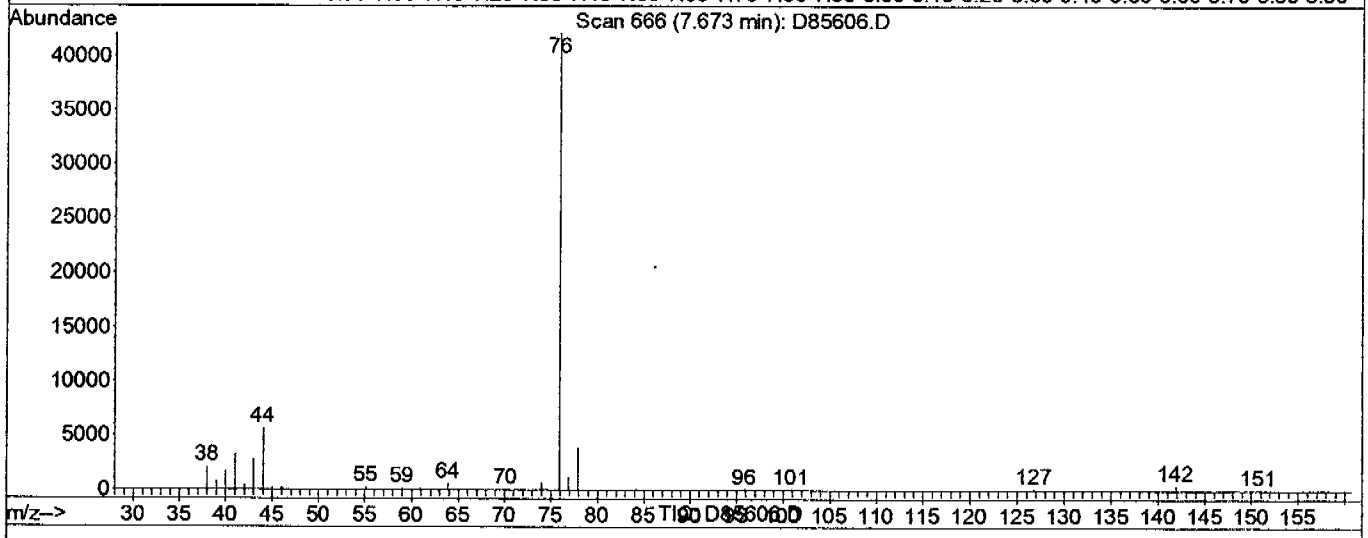
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.67min 19.87ug/L m

response 153507

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.12
44.00	12.80	13.43
0.00	0.00	0.00

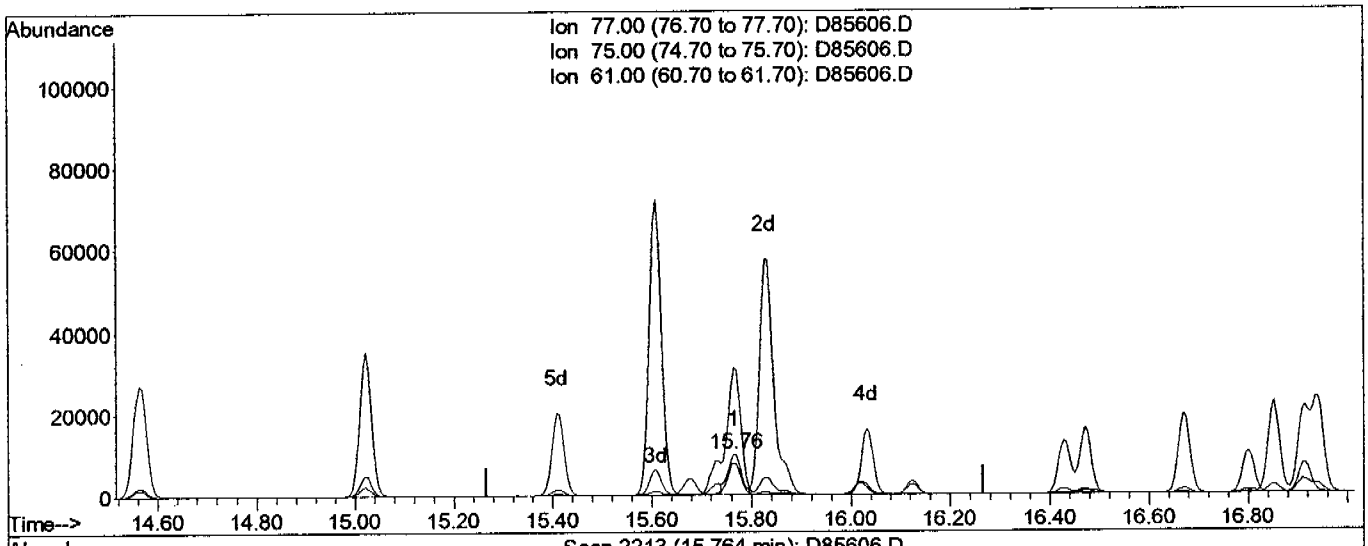
Quantitation Report (Qedit)

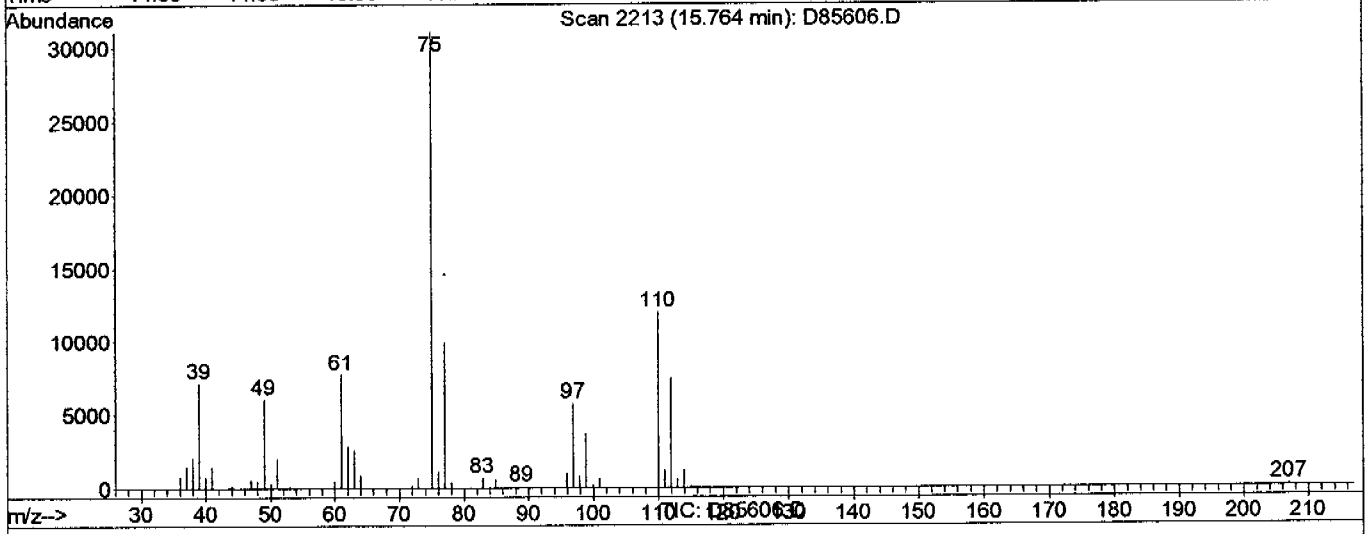
Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:20 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(93) 1,2,3-trichloropropane (M)

15.76min 21.00ug/L m

response 18555

Ion	Exp%	Act%
77.00	100	100
75.00	320.00	313.34
61.00	82.50	77.65
0.00	0.00	0.00

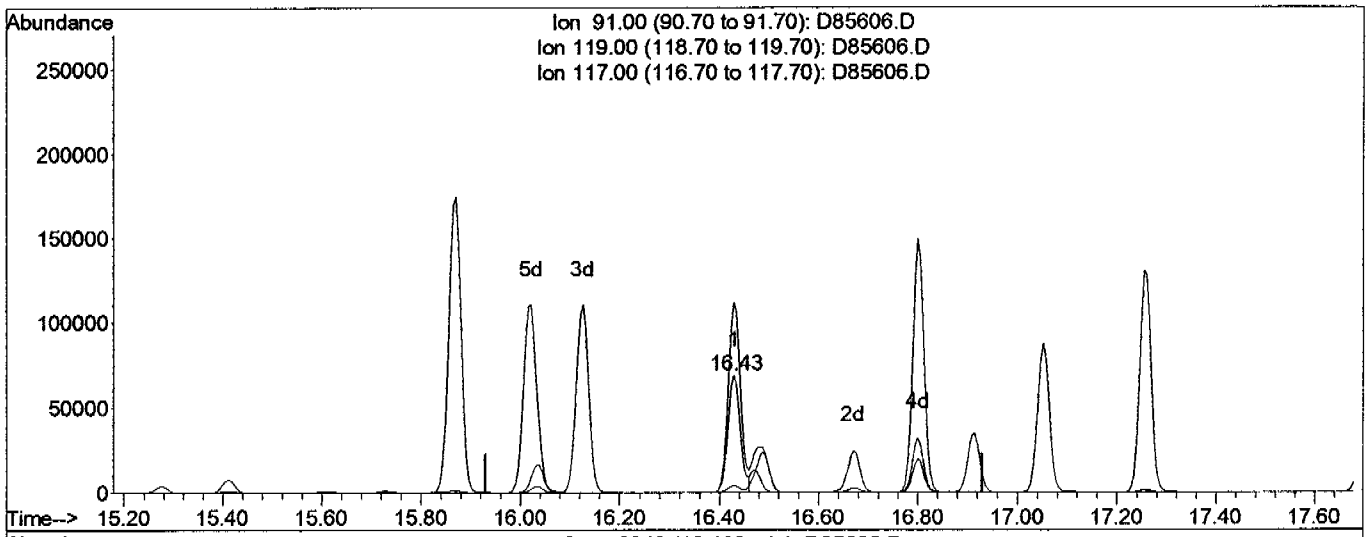
Quantitation Report (Qedit)

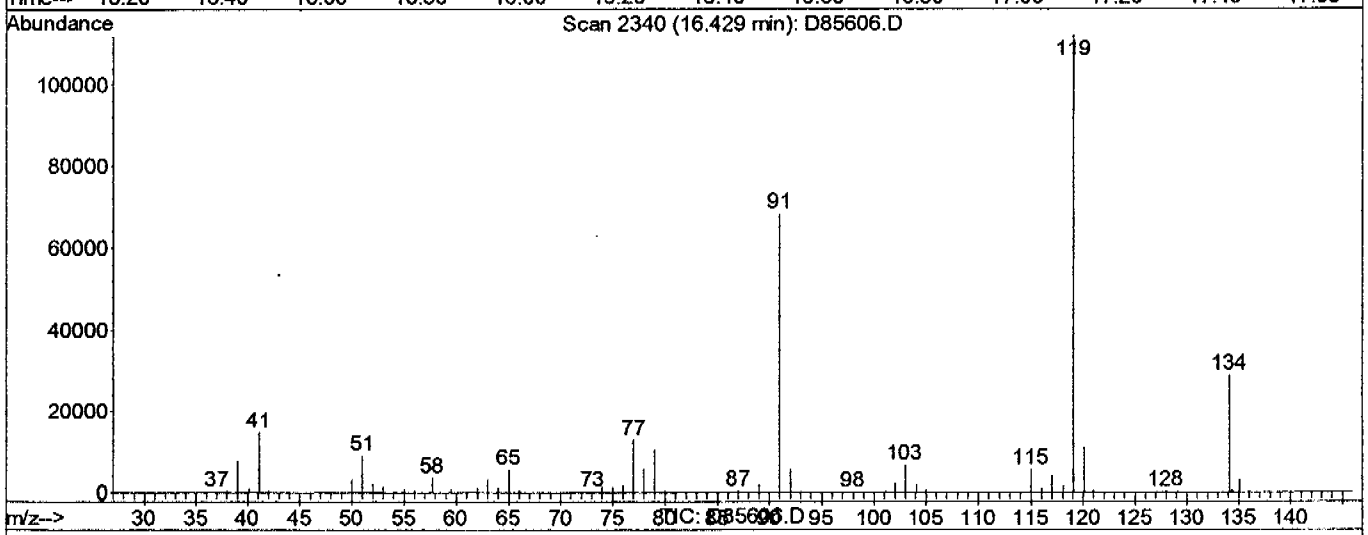
Data File : C:\HPCHEM\1\DATA\D85606.D
Acq On : 13 Aug 2004 5:29 pm
Sample : CC3408-20
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:21 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 20.71ug/L m

response 121919

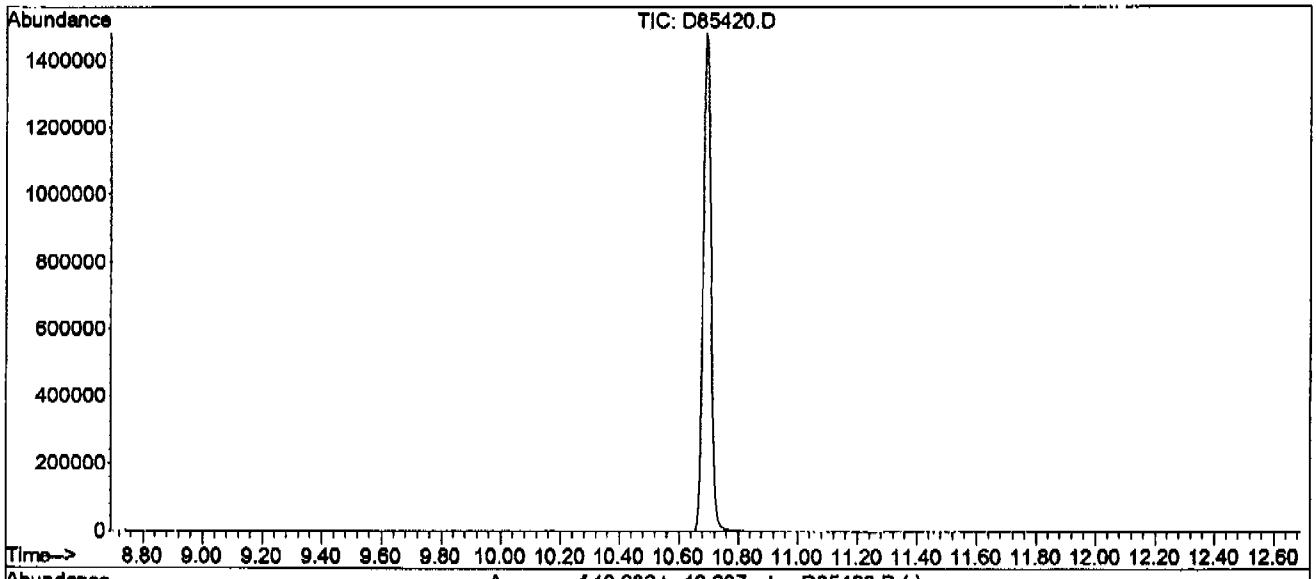
Ion	Exp%	Act%
91.00	100	100
119.00	164.80	163.89
117.00	5.60	6.07
0.00	0.00	0.00

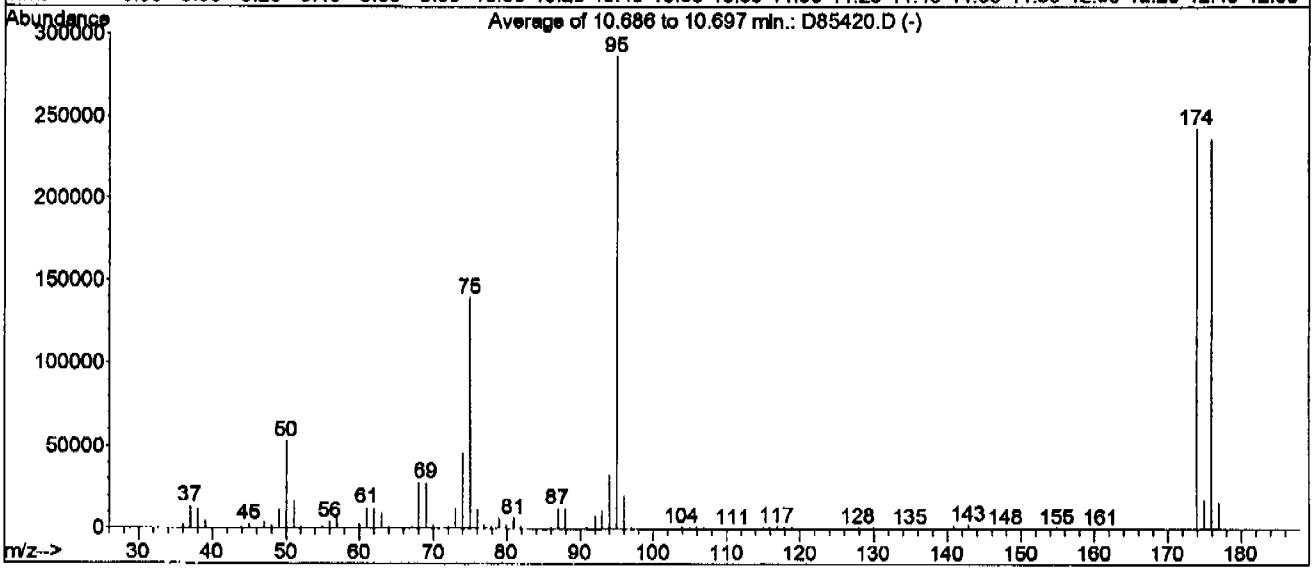
398

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\D85420.D
Acq On : 9 Aug 2004 6:27 pm
Sample : BFB
Misc : MS2625,VD3408,5,,,,1
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\MDBFB.M (RTE Integrator)
Title : SW-846 Method 8260

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00





AutoFind: Scans 114, 115, 116; Background Corrected with Scan 105

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	52989	PASS
75	95	30	60	48.6	139240	PASS
95	95	100	100	100.0	286293	PASS
96	95	5	9	7.0	20061	PASS
173	174	0.00	2	0.2	478	PASS
174	95	50	150	84.7	242581	PASS
175	174	5	9	7.3	17626	PASS
176	174	95	101	97.2	235883	PASS
177	176	5	9	6.8	15962	PASS

D85420.D MDBFB.M Tue Aug 10 09:58:00 2004 MSD

Average of 10.686 to 10.697 min.: D85420.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2442	49.00	11238	63.00	9511	76.00	12152
37.00	13342	50.00	52989	64.00	890	76.95	1994
38.00	11894	51.00	16786	65.05	212	77.95	1247
39.00	4590	52.00	747	67.05	805	78.90	6235
39.95	167	55.00	660	68.00	27755	79.95	1736
43.05	128	56.00	3819	69.00	27971	80.90	6284
43.95	1318	57.00	7198	70.00	2130	81.95	1289
45.00	2358	57.95	320	72.00	1453	83.00	66
46.05	213	60.00	2507	73.00	12362	86.05	278
47.00	3821	61.00	12443	74.00	45389	86.90	12173
48.00	1664	62.00	12375	75.00	139240	87.95	11808

Average of 10.686 to 10.697 min.: D85420.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	920	106.90	245	125.90	52	144.90	199
92.00	7324	109.90	53	127.90	987	145.90	360
93.00	11201	110.85	196	128.85	463	147.05	110
94.00	32533	111.90	55	129.90	969	147.90	612
95.00	286293	112.95	193	130.90	358	148.90	217
96.00	20061	114.95	284	134.95	490	149.90	291
97.00	555	115.90	893	136.95	408	152.95	234
102.80	51	116.90	1482	139.95	245	153.95	190
103.90	1095	117.90	902	140.90	2293	154.90	722
104.95	366	118.90	1309	141.95	342	155.95	290
105.90	1084	123.95	137	142.90	2586	156.90	488

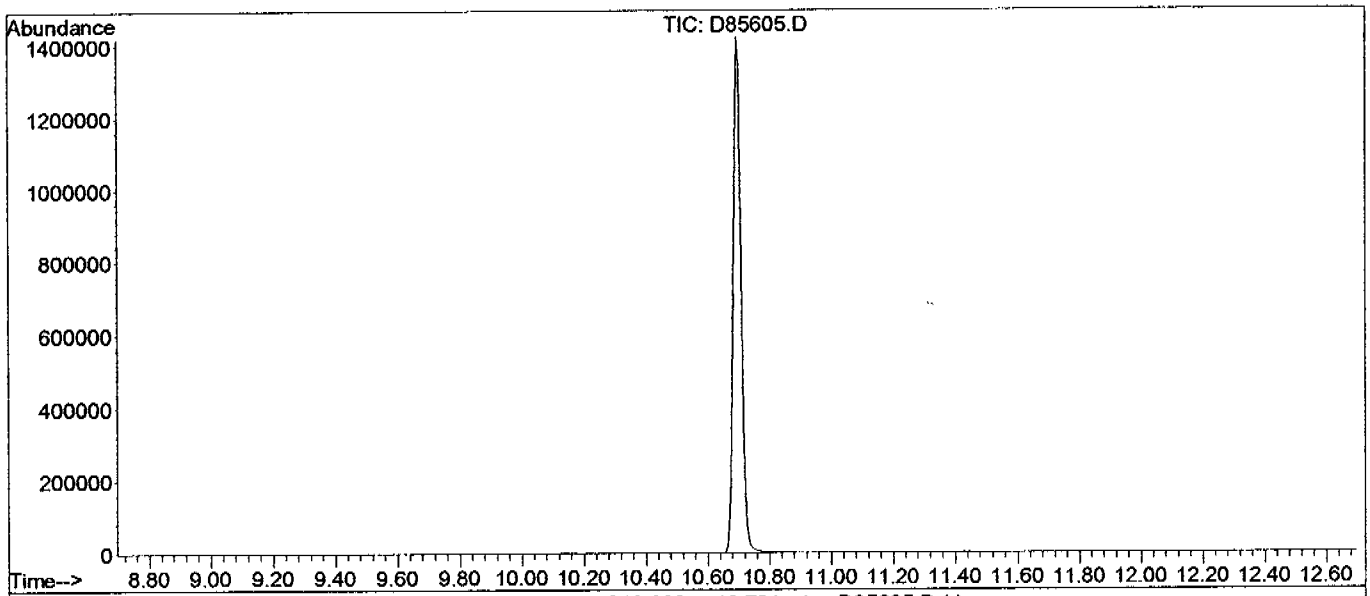
Average of 10.686 to 10.697 min.: D85420.D
BFB
Modified:subtracted

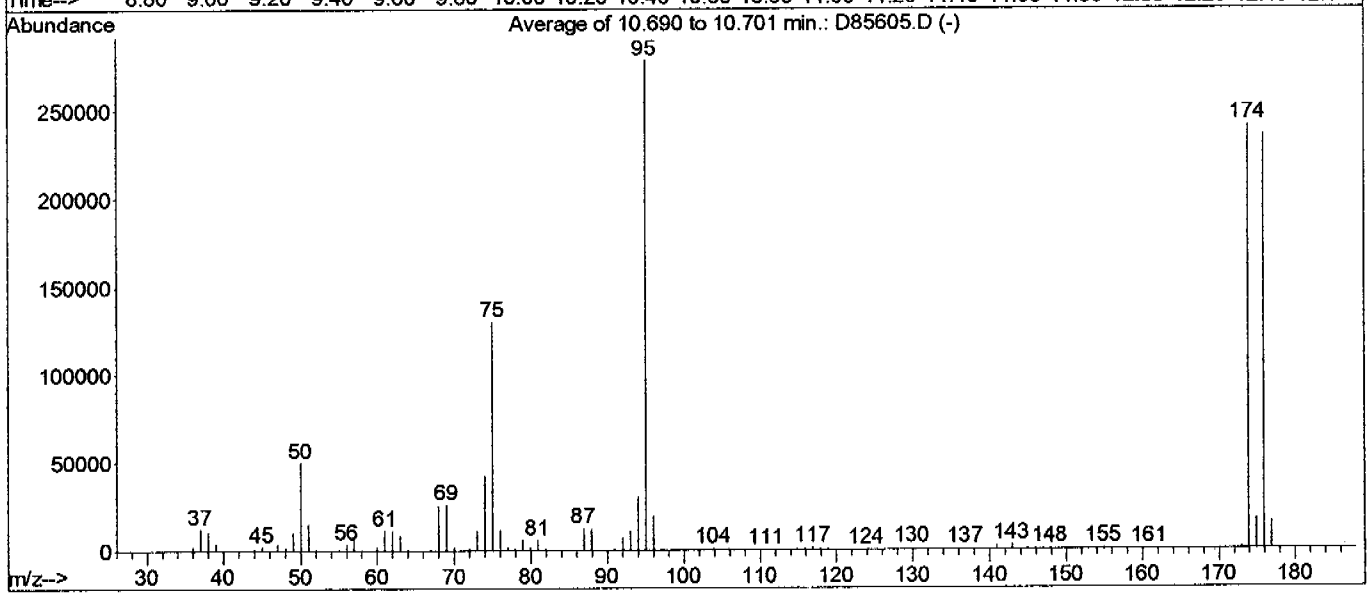
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.90	198						
158.90	355						
160.90	295						
171.90	261						
172.90	478						
173.90	242581						
174.90	17626						
175.90	235883						
176.90	15962						
177.95	395						

SW-846 Method 8260

Data File : C:\HPCHEM\1\DATA\D85605.D
Acq On : 13 Aug 2004 4:24 pm
Sample : BFB
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\MDBFB.M (RTE Integrator)
Title : SW-846 Method 8260

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00





AutoFind: Scans 115, 116, 117; Background Corrected with Scan 105

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	49723	PASS
75	95	30	60	46.8	130541	PASS
95	95	100	100	100.0	279083	PASS
96	95	5	9	6.9	19211	PASS
173	174	0.00	2	0.5	1119	PASS
174	95	50	150	86.4	241024	PASS
175	174	5	9	7.2	17382	PASS
176	174	95	101	97.7	235413	PASS
177	176	5	9	6.7	15722	PASS

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D85605.D MDBFB.M Fri Aug 13 19:19:54 2004 MSD

Average of 10.690 to 10.701 min.: D85605.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2210	50.00	49723	64.00	823	77.00	1668
37.00	12092	51.00	15197	65.00	59	77.90	1192
38.00	10570	52.00	686	66.95	698	78.90	5875
39.00	4163	55.00	675	68.00	25288	79.90	1750
40.00	128	56.00	3432	69.00	25685	80.90	5735
44.00	1200	57.00	6379	70.00	1961	81.90	1181
45.00	2197	58.00	276	71.95	1293	82.90	50
46.05	126	60.00	2370	73.00	11139	85.95	326
47.00	3839	61.00	11234	74.00	42315	86.90	12290
48.00	1507	62.00	11075	75.00	130541	87.90	11848
49.00	10428	63.00	8580	76.00	11332	90.90	834

Average of 10.690 to 10.701 min.: D85605.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	7018	111.90	58	130.95	339	147.90	658
93.00	10513	112.90	122	134.90	380	148.85	200
94.00	30195	114.90	267	136.90	423	149.90	292
95.00	279083	115.90	875	139.90	144	151.90	53
96.00	19211	116.90	1426	140.90	2351	152.95	207
97.00	514	117.90	882	141.95	298	153.95	116
103.90	933	118.90	1220	142.90	2445	154.90	662
104.95	352	123.90	54	143.80	52	155.95	285
105.90	922	127.90	887	144.95	237	156.95	450
106.95	205	128.90	473	145.90	394	157.95	165
110.85	204	129.90	892	146.90	215	158.90	283

Average of 10.690 to 10.701 min.: D85605.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
160.90	209						
171.90	231						
173.00	1119						
173.90	241024						
174.90	17382						
175.90	235413						
176.90	15722						
177.90	465						

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85607.D
Acq On : 13 Aug 2004 6:03 pm
Sample : MB1
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:24 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	168960	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	406628	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	592324	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	541297	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	316299	50.00 ug/L	0.00

System Monitoring Compounds

38) dibromofluoromethane (s)	10.10	113	175791	50.31 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 100.62%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	199971	48.91 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 97.82%		
65) toluene-d8 (s)	12.71	98	684575	48.89 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 97.78%		
88) 4-bromofluorobenzene (s)	15.61	95	264566	50.83 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 101.66%		

Target Compounds Qvalue

JL
8/13/04

403

(#) = qualifier out of range (m) = manual integration

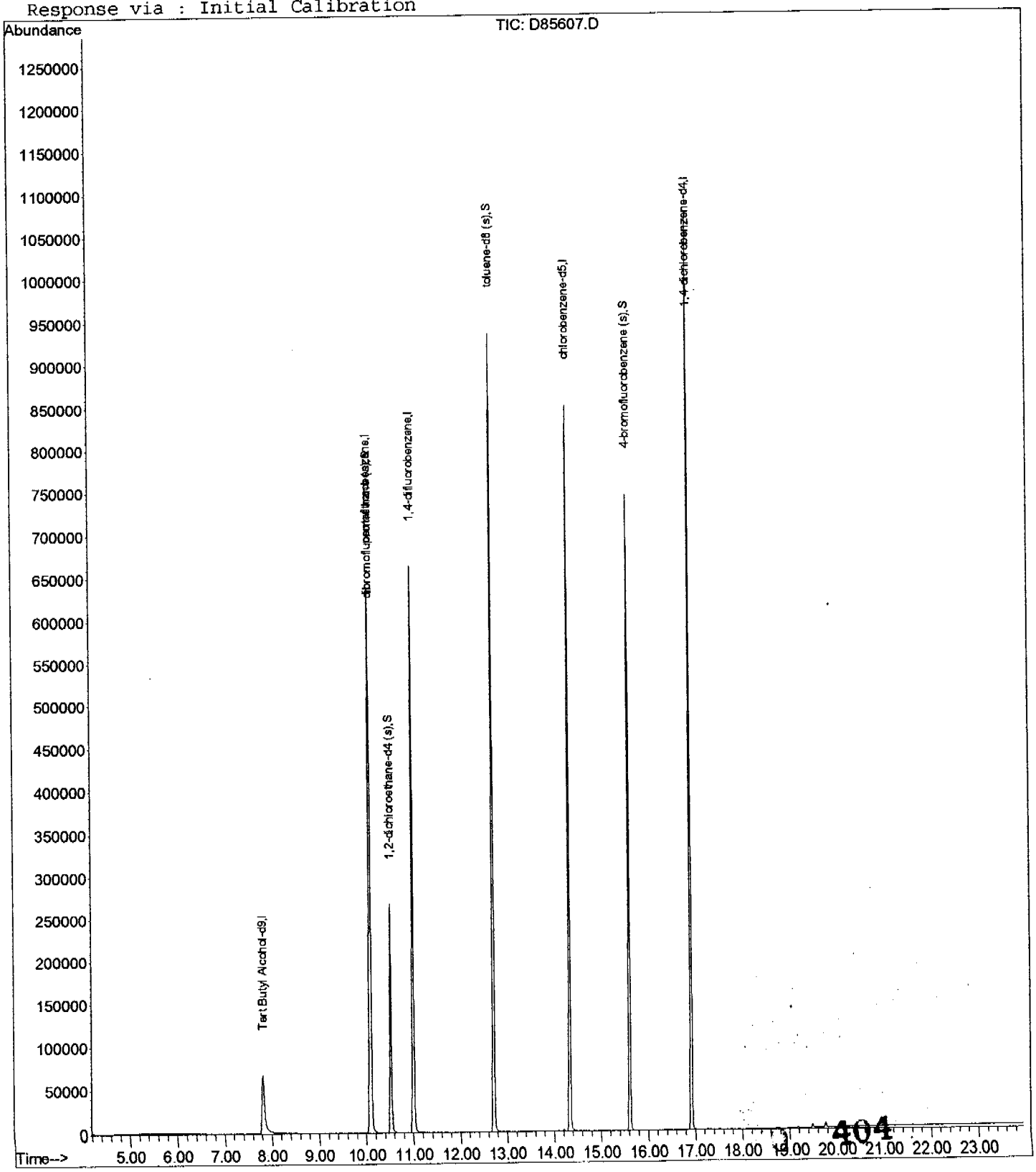
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85607.D
Acq On : 13 Aug 2004 6:03 pm
Sample : MB1
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 13 19:24 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration



404

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:13 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	178646	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	448758	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	653935	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	610265	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	363870	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	191063	49.55 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.10%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	213507	47.32 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 94.64%		
65) toluene-d8 (s)	12.71	98	769501	49.78 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 99.56%		
88) 4-bromofluorobenzene (s)	15.61	95	300964	50.26 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 100.52%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	61432	250.43 ug/L	88
4) chlorodifluoromethane	4.43	51	188095	52.63 ug/L	94
5) dichlorodifluoromethane	4.41	85	116337	44.83 ug/L	99
6) chloromethane	4.80	50	142915	45.50 ug/L	99
7) vinyl chloride	5.08	62	143942	47.06 ug/L	99
8) bromomethane	5.76	94	96519	57.29 ug/L	95
9) chloroethane	5.94	64	80043m	53.56 ug/L	
10) trichlorofluoromethane	6.43	101	168755	46.54 ug/L	97
11) ethyl ether	6.81	74	90540	52.52 ug/L	99
12) acrolein	6.99	56	254354	1063.91 ug/L	99
13) 1,1-dichloroethene	7.27	96	140673	53.12 ug/L	94
14) acetone	7.21	43	42789	43.95 ug/L	99
15) allyl chloride	7.74	41	275100	49.22 ug/L	88
16) acetonitrile	7.59	40	66384	402.93 ug/L	98
17) iodomethane	7.53	142	250015	53.06 ug/L	98
18) iso-butyl alcohol	10.30	41	199478m	506.02 ug/L	
19) carbon disulfide	7.68	76	404748m	46.71 ug/L	
20) methylene chloride	7.90	84	159131	49.66 ug/L	99
21) methyl acetate	7.70	43	103761	44.35 ug/L	98
22) methyl tert butyl ether	8.29	73	340640	43.75 ug/L	99
23) trans-1,2-dichloroethene	8.31	96	151320	52.51 ug/L	97
24) di-isopropyl ether	8.88	45	436704	51.24 ug/L	99
25) ethyl tert-butyl ether	9.35	59	367508	45.54 ug/L	99
26) 2-butanone	9.51	72	18875	50.26 ug/L	89
27) 1,1-dichloroethane	8.84	63	255774	49.89 ug/L	99
28) chloroprene	8.98	53	171382	53.32 ug/L	98
29) acrylonitrile	8.16	53	292838	245.34 ug/L	99
30) vinyl acetate	8.83	86	30388	52.11 ug/L	92
31) ethyl acetate	9.55	45	18362	51.66 ug/L	91
32) 2,2-dichloropropane	9.60	77	161815	44.28 ug/L	99
33) cis-1,2-dichloroethene	9.56	96	161991	51.46 ug/L	99
34) propionitrile	9.55	54	225954	499.89 ug/L	99
35) bromochloromethane	9.86	128	81307	50.81 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:13 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) tetrahydrofuran	9.93	42	44852	48.71 ug/L	97
37) chloroform	9.91	83	243302	48.86 ug/L	97
40) freon 113	7.27	151	107954	51.31 ug/L	95
41) methacrylonitrile	9.77	41	88033	49.23 ug/L	98
42) 1,1,1-trichloroethane	10.22	97	211495	48.30 ug/L	97
43) tert-amyl methyl ether	10.72	73	374798	45.49 ug/L	89
45) Di-isobutylene	11.31	57	300678	43.64 ug/L	68
46) epichlorohydrin	12.23	57	44336	116.61 ug/L	99
47) n-butyl alcohol	11.06	56	217588	2650.21 ug/L	97
48) carbon tetrachloride	10.44	117	185926	49.10 ug/L	100
49) 1,1-dichloropropene	10.40	75	194538	51.65 ug/L	99
50) hexane	8.68	57	192663	57.18 ug/L	99
51) benzene	10.65	78	593776	51.24 ug/L	99
52) heptane	10.89	57	96366	55.43 ug/L	99
53) isopropyl acetate	10.55	43	253551	49.96 ug/L	100
54) 1,2-dichloroethane	10.62	62	183057	46.97 ug/L	99
55) trichloroethene	11.36	95	148720	50.20 ug/L	98
56) 2-nitropropane	12.07	43	36136	42.51 ug/L	98
57) 2-chloroethyl vinyl ether	12.23	63	1782	0.97 ug/L #	67
58) methyl methacrylate	11.61	69	162700	54.37 ug/L	95
59) 1,2-dichloropropane	11.60	63	151885	50.70 ug/L	100
60) methylcyclohexane	11.65	83	247610	53.90 ug/L	99
61) dibromomethane	11.75	93	93222	49.69 ug/L	99
62) 1,4-dioxane	11.71	88	32713	1115.58 ug/L	97
63) bromodichloromethane	11.88	83	186008	49.77 ug/L	99
64) cis-1,3-dichloropropene	12.37	75	244470	50.44 ug/L	99
66) 4-methyl-2-pentanone	12.46	43	218895	51.63 ug/L	99
67) toluene	12.79	92	373656	50.29 ug/L	98
68) 3-methyl-1-butanol	12.45	70	90096	978.57 ug/L	97
69) trans-1,3-dichloropropene	12.94	75	223273	50.08 ug/L	98
70) ethyl methacrylate	12.97	69	199761	51.29 ug/L	97
71) 1,1,2-trichloroethane	13.17	83	114910	49.97 ug/L	99
72) 2-hexanone	13.37	43	96582	52.01 ug/L	98
74) tetrachloroethene	13.43	166	179725	49.55 ug/L	99
75) 1,3-dichloropropane	13.37	76	238902	50.61 ug/L	99
76) butyl acetate	13.47	56	95740	51.51 ug/L	98
77) dibromochloromethane	13.66	129	147804	50.88 ug/L	97
78) 1,2-dibromoethane	13.83	107	142334	51.65 ug/L	100
79) chlorobenzene	14.37	112	434597	49.74 ug/L	99
80) 1,1,1,2-tetrachloroethane	14.43	131	154258	50.31 ug/L	99
81) ethylbenzene	14.45	91	703583	51.68 ug/L	99
82) m,p-xylene	14.56	106	562324	104.31 ug/L	99
83) o-xylene	15.02	106	287417	52.99 ug/L	96
84) styrene	15.02	104	439872	51.91 ug/L	100
85) bromoform	15.28	173	103041	42.99 ug/L	97
87) isopropylbenzene	15.41	105	655384	53.05 ug/L	99
89) bromobenzene	15.83	156	197421	50.83 ug/L	96
90) cyclohexanone	15.54	55	50163	21.53 ug/L	99
91) 1,1,2,2-tetrachloroethane	15.68	83	189475	50.97 ug/L	99

406

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:13 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	39021	39.16 ug/L	97
93)	1,2,3-trichloropropane	15.77	77	46543	47.66 ug/L	98
94)	n-propylbenzene	15.87	91	831821	52.50 ug/L	99
95)	2-chlorotoluene	16.02	91	574990	51.85 ug/L	99
96)	4-chlorotoluene	16.13	91	522490	51.31 ug/L	98
97)	1,3,5-trimethylbenzene	16.03	105	588413	52.12 ug/L	98
98)	tert-butylbenzene	16.43	91	334308m	51.40 ug/L	
99)	pentachloroethane	16.49	167	127957	56.59 ug/L	99
100)	1,2,4-trimethylbenzene	16.47	105	608769	51.61 ug/L	100
101)	sec-butylbenzene	16.67	105	787848	53.13 ug/L	100
102)	1,3-dichlorobenzene	16.86	146	385314	50.11 ug/L	99
103)	p-isopropyltoluene	16.80	119	675626	53.04 ug/L	99
104)	1,4-dichlorobenzene	16.94	146	398569	49.48 ug/L	99
105)	1,2-dichlorobenzene	17.37	146	374917	49.94 ug/L	99
106)	n-butylbenzene	17.26	91	593400	52.44 ug/L	99
107)	1,2-dibromo-3-chloropropan	18.19	75	32251	50.47 ug/L	91
108)	1,2,4-trichlorobenzene	19.17	180	251714	51.77 ug/L	98
109)	hexachlorobutadiene	19.33	225	128943	50.12 ug/L	98
110)	naphthalene	19.48	128	492586	51.69 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	191549	49.52 ug/L	97
112)	hexachloroethane	17.70	119	113532	46.41 ug/L	99
113)	Cyclohexane	10.34	84	259856	62.42 ug/L #	100

C 407

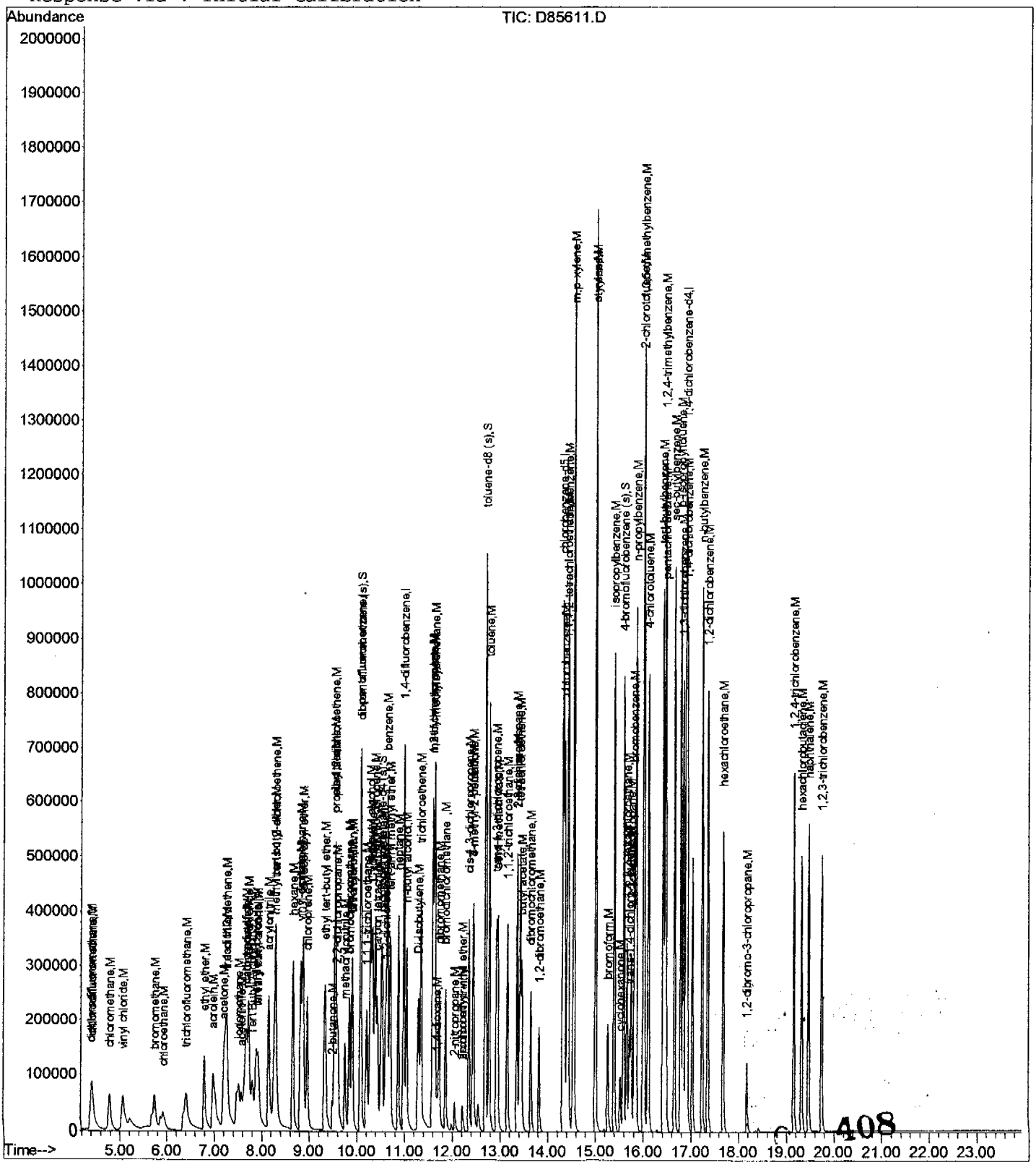
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:13 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration

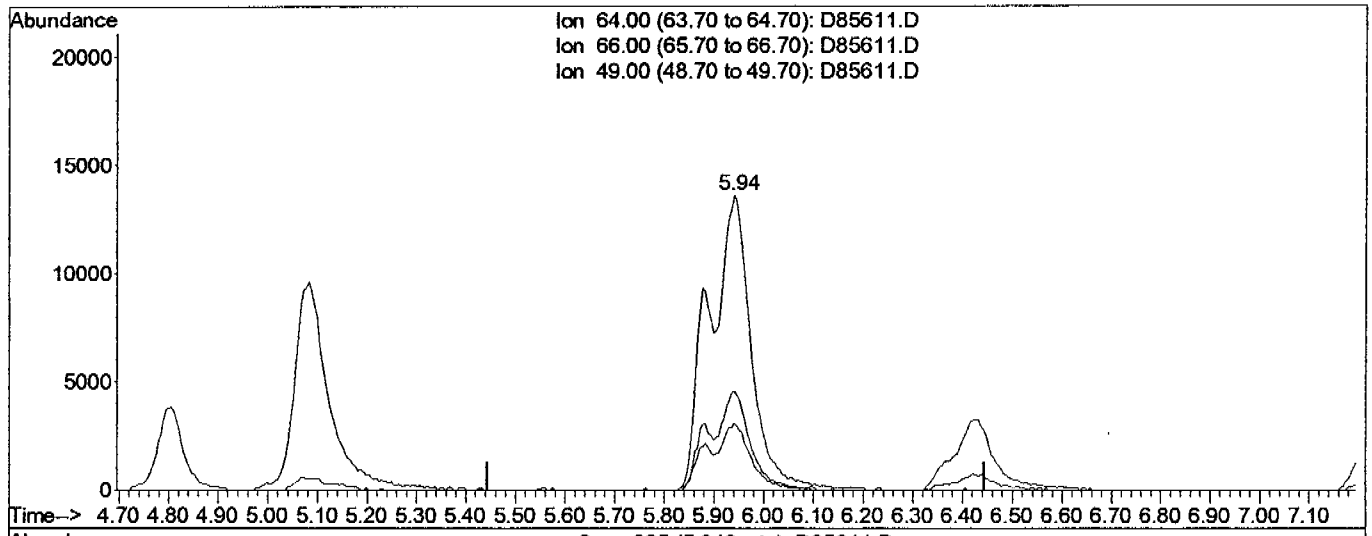


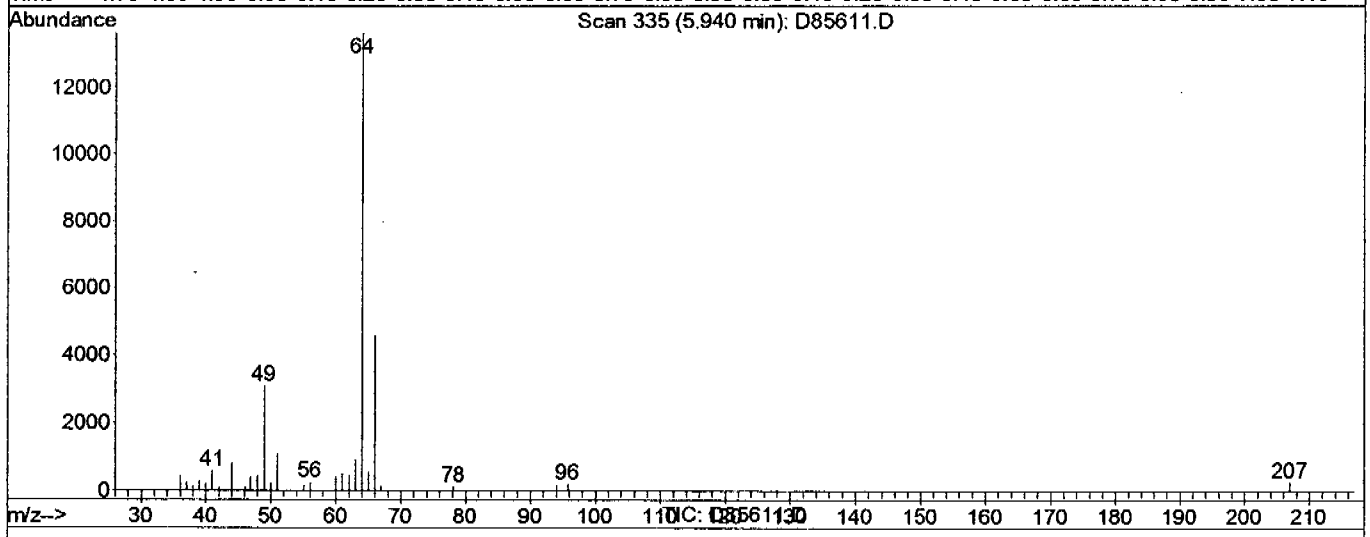
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:12 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(9) chloroethane (M)

5.94min 53.56ug/L m

response 80043

Ion	Exp%	Act%
64.00	100	100
66.00	30.80	33.70
49.00	21.10	22.62
0.00	0.00	0.00

409

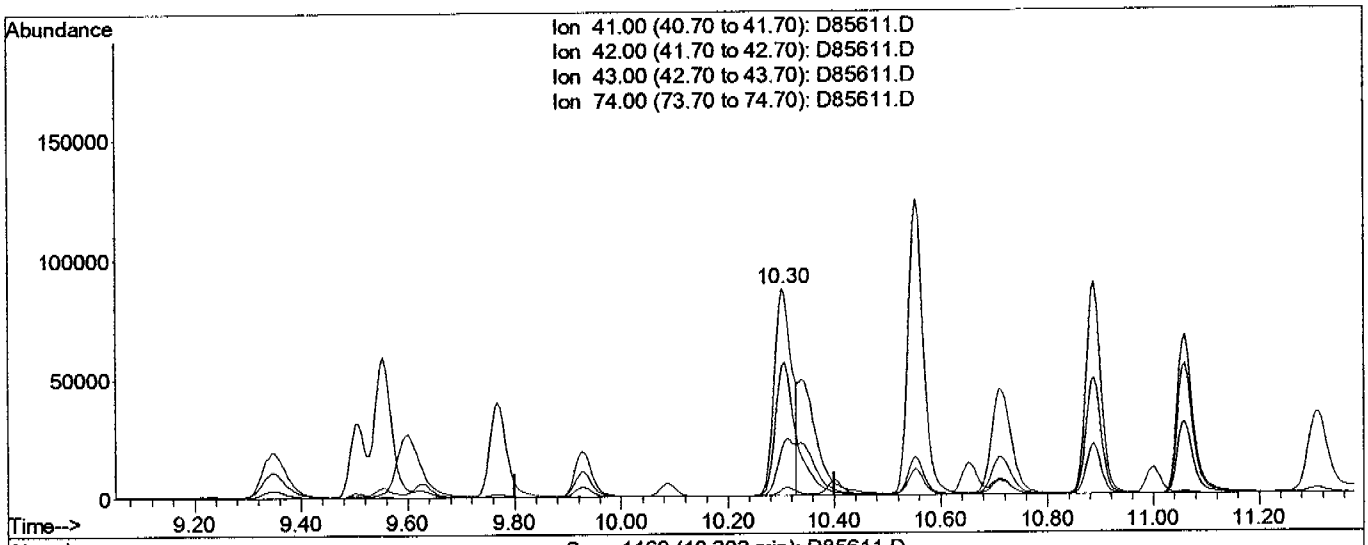
Quantitation Report (Qedit)

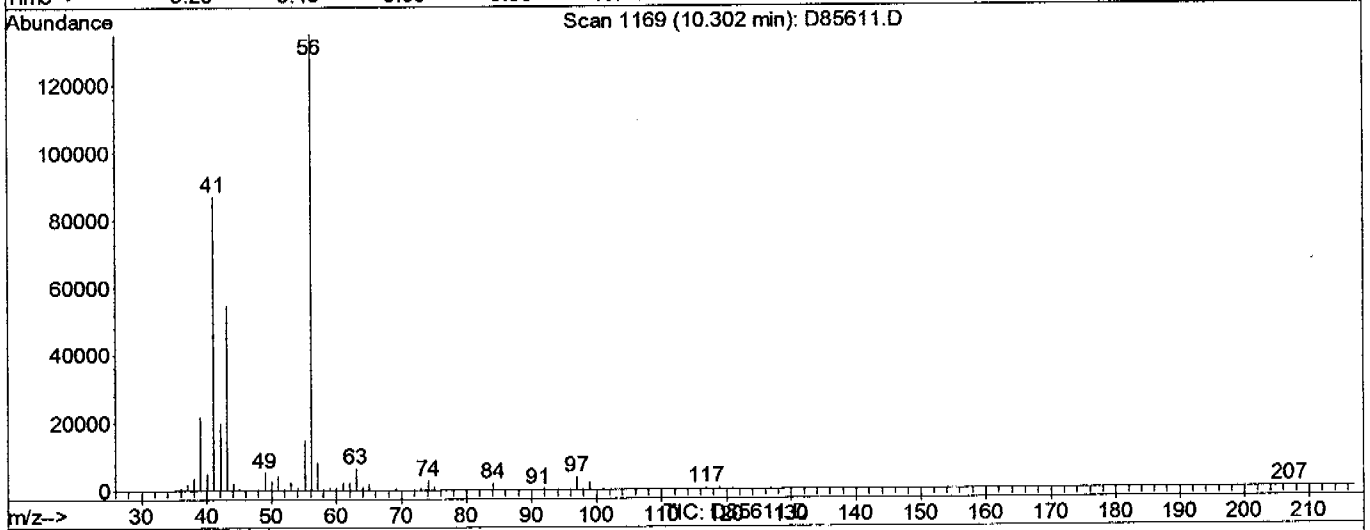
Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:12 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 506.02ug/L m

response 199478

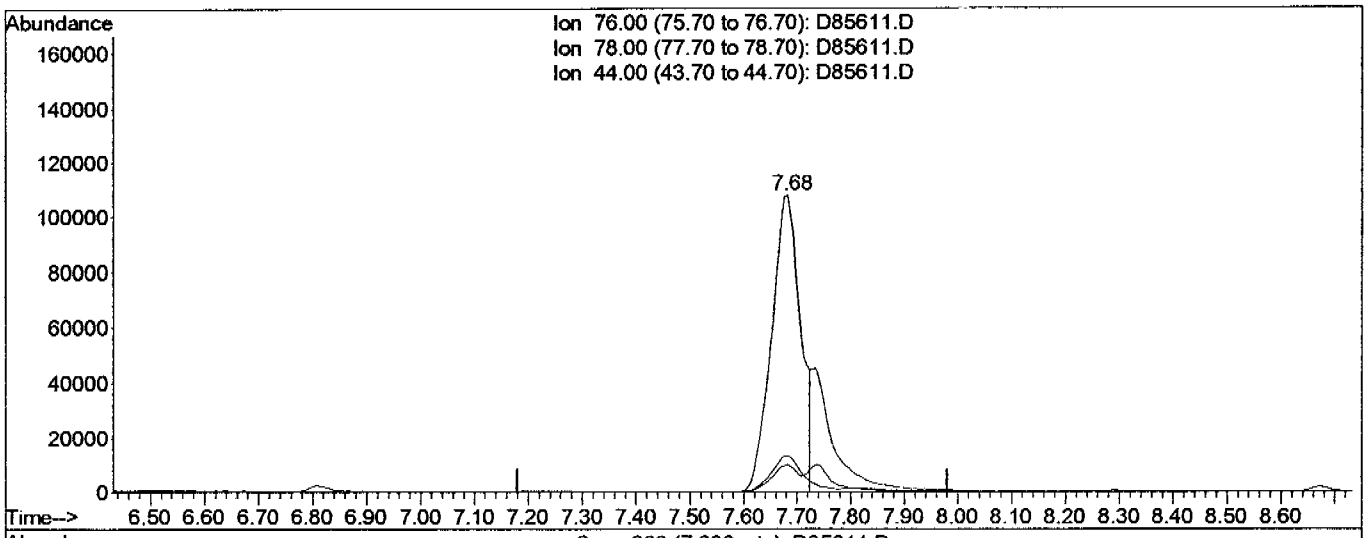
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	22.81
43.00	64.90	63.03
74.00	2.90	3.27

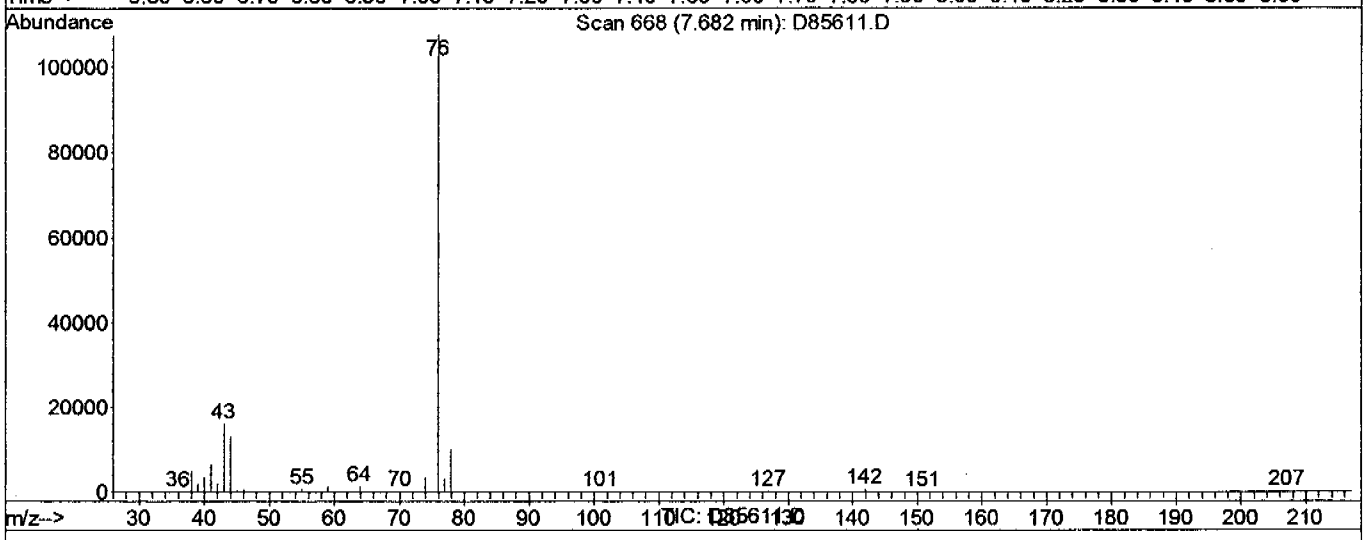
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:12 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 46.71ug/L m

response 404748

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.47
44.00	12.80	12.15
0.00	0.00	0.00

411

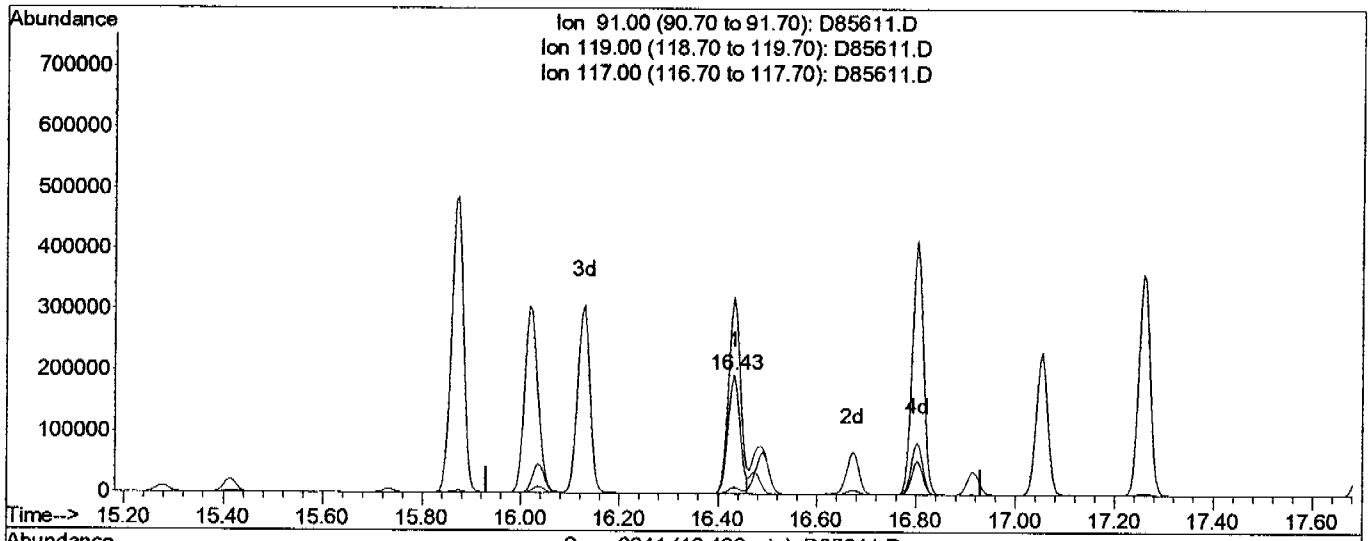
Quantitation Report (Qedit)

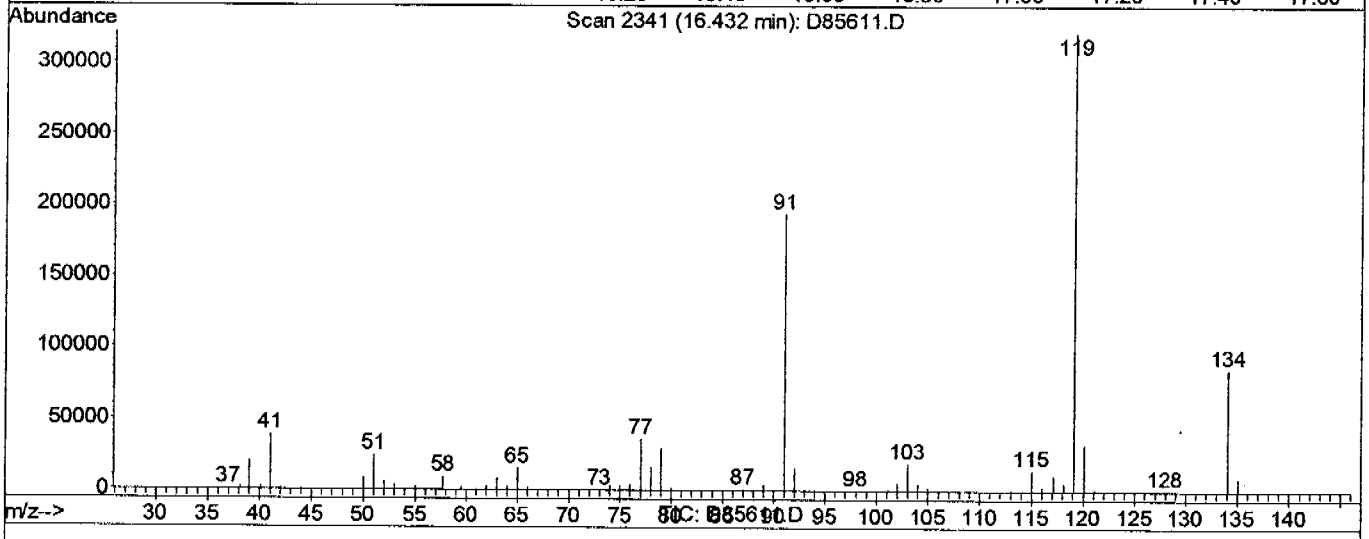
Data File : C:\HPCHEM\1\DATA\D85611.D
Acq On : 13 Aug 2004 8:04 pm
Sample : N74914-9MS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:13 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 51.40ug/L m

response 334308

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	165.62
117.00	5.60	5.62
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	184020	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	457956	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	668762	50.00 ug/L	0.00
73) chlorobenzene-d5	14.34	117	623889	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	371794	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	194958	49.54 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 99.08%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	216093	46.93 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 93.86%		
65) toluene-d8 (s)	12.71	98	786195	49.73 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 99.46%		
88) 4-bromofluorobenzene (s)	15.61	95	304763	49.81 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 99.62%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.94	59	64074	253.57 ug/L	93
4) chlorodifluoromethane	4.43	51	188994	51.82 ug/L	95
5) dichlorodifluoromethane	4.41	85	115828	43.74 ug/L	98
6) chloromethane	4.81	50	143915	44.89 ug/L	99
7) vinyl chloride	5.08	62	145905	46.74 ug/L	99
8) bromomethane	5.75	94	96946	56.36 ug/L	96
9) chloroethane	5.94	64	81735	53.60 ug/L	99
10) trichlorofluoromethane	6.43	101	169242	45.74 ug/L	98
11) ethyl ether	6.81	74	93887	53.36 ug/L	99
12) acrolein	6.99	56	261266	1070.88 ug/L	98
13) 1,1-dichloroethene	7.27	96	141894	52.51 ug/L	92
14) acetone	7.21	43	41399	41.67 ug/L	96
15) allyl chloride	7.74	41	274295	48.09 ug/L	86
16) acetonitrile	7.59	40	65965	392.34 ug/L	97
17) iodomethane	7.53	142	256800	53.40 ug/L	99
18) iso-butyl alcohol	10.30	41	205560m	510.98 ug/L	
19) carbon disulfide	7.68	76	397265m	44.93 ug/L	
20) methylene chloride	7.90	84	163028	49.85 ug/L	99
21) methyl acetate	7.70	43	104684	43.84 ug/L	97
22) methyl tert butyl ether	8.28	73	342353	43.09 ug/L	100
23) trans-1,2-dichloroethene	8.31	96	153783	52.29 ug/L	97
24) di-isopropyl ether	8.89	45	441726	50.79 ug/L	99
25) ethyl tert-butyl ether	9.35	59	366198	44.46 ug/L	97
26) 2-butanone	9.50	72	19832	51.75 ug/L	99
27) 1,1-dichloroethane	8.84	63	258958	49.50 ug/L	99
28) chloroprene	8.98	53	172437	52.57 ug/L	98
29) acrylonitrile	8.16	53	300758	246.91 ug/L	98
30) vinyl acetate	8.83	86	30601	51.42 ug/L	97
31) ethyl acetate	9.56	45	18600	51.28 ug/L	88
32) 2,2-dichloropropane	9.60	77	163855	43.94 ug/L	99
33) cis-1,2-dichloroethene	9.57	96	165972	51.67 ug/L	97
34) propionitrile	9.55	54	234372	508.10 ug/L	99
35) bromochloromethane	9.86	128	84223	51.58 ug/L	93

(#) = qualifier out of range (m) = manual integration

413

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) tetrahydrofuran	9.93	42	46586	49.57 ug/L	97
37) chloroform	9.92	83	246339	48.47 ug/L	99
40) freon 113	7.25	151	108164	50.38 ug/L	98
41) methacrylonitrile	9.77	41	91657	50.23 ug/L	99
42) 1,1,1-trichloroethane	10.22	97	214695	48.05 ug/L	100
43) tert-amyl methyl ether	10.71	73	381556	45.38 ug/L	88
45) Di-isobutylene	11.31	57	297618	42.24 ug/L	67
46) epichlorohydrin	12.23	57	42735	109.90 ug/L	99
47) n-butyl alcohol	11.06	56	228946	2726.73 ug/L	97
48) carbon tetrachloride	10.44	117	187703	48.47 ug/L	99
49) 1,1-dichloropropene	10.40	75	196643	51.05 ug/L	98
50) hexane	8.67	57	193926	56.27 ug/L	99
51) benzene	10.65	78	603577	50.93 ug/L	99
52) heptane	10.89	57	96942	54.52 ug/L	99
53) isopropyl acetate	10.55	43	259628	50.02 ug/L	99
54) 1,2-dichloroethane	10.62	62	186864	46.89 ug/L	100
55) trichloroethene	11.37	95	150676	49.74 ug/L	99
56) 2-nitropropane	12.07	43	37953	43.58 ug/L	98
57) 2-chloroethyl vinyl ether	12.23	63	1742	0.93 ug/L #	67
58) methyl methacrylate	11.61	69	165697	54.15 ug/L	94
59) 1,2-dichloropropane	11.61	63	155051	50.60 ug/L	98
60) methylcyclohexane	11.65	83	251871	53.61 ug/L	99
61) dibromomethane	11.75	93	96529	50.31 ug/L	98
62) 1,4-dioxane	11.70	88	34415	1147.60 ug/L	99
63) bromodichloromethane	11.88	83	190447	49.83 ug/L	100
64) cis-1,3-dichloropropene	12.37	75	249653	50.36 ug/L	97
66) 4-methyl-2-pentanone	12.46	43	225565	52.03 ug/L	99
67) toluene	12.79	92	380526	50.08 ug/L	99
68) 3-methyl-1-butanol	12.45	70	92691	984.35 ug/L	99
69) trans-1,3-dichloropropene	12.94	75	226161	49.61 ug/L	98
70) ethyl methacrylate	12.97	69	207156	52.00 ug/L	95
71) 1,1,2-trichloroethane	13.17	83	117535	49.98 ug/L	98
72) 2-hexanone	13.37	43	99928	52.62 ug/L	97
74) tetrachloroethene	13.44	166	183412	49.46 ug/L	99
75) 1,3-dichloropropane	13.37	76	246054	50.99 ug/L	99
76) butyl acetate	13.47	56	98485	51.83 ug/L	99
77) dibromochloromethane	13.66	129	150822	50.79 ug/L	99
78) 1,2-dibromoethane	13.83	107	145802	51.75 ug/L	100
79) chlorobenzene	14.37	112	442654	49.55 ug/L	99
80) 1,1,1,2-tetrachloroethane	14.42	131	158770	50.65 ug/L	98
81) ethylbenzene	14.45	91	712345	51.18 ug/L	99
82) m,p-xylene	14.57	106	575256	104.38 ug/L	97
83) o-xylene	15.03	106	291169	52.51 ug/L	97
84) styrene	15.02	104	450037	51.95 ug/L	100
85) bromoform	15.28	173	104325	42.59 ug/L	99
87) isopropylbenzene	15.41	105	665110	52.69 ug/L	98
89) bromobenzene	15.83	156	201859	50.86 ug/L	97
90) cyclohexanone	15.53	55	52133	21.90 ug/L	99
91) 1,1,2,2-tetrachloroethane	15.68	83	194852	51.30 ug/L	100

(#) = qualifier out of range (m) = manual integration

414

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	39299	38.60 ug/L	93
93)	1,2,3-trichloropropane	15.77	77	50575	50.68 ug/L	96
94)	n-propylbenzene	15.87	91	842377	52.04 ug/L	100
95)	2-chlorotoluene	16.02	91	582967	51.45 ug/L	100
96)	4-chlorotoluene	16.12	91	531560	51.09 ug/L	98
97)	1,3,5-trimethylbenzene	16.04	105	597679	51.81 ug/L	99
98)	tert-butylbenzene	16.43	91	341404m	51.38 ug/L	
99)	pentachloroethane	16.49	167	129860	56.21 ug/L	99
100)	1,2,4-trimethylbenzene	16.47	105	615815	51.10 ug/L	99
101)	sec-butylbenzene	16.67	105	795432	52.50 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	392775	50.00 ug/L	100
103)	p-isopropyltoluene	16.80	119	685779	52.69 ug/L	99
104)	1,4-dichlorobenzene	16.95	146	407158	49.47 ug/L	99
105)	1,2-dichlorobenzene	17.37	146	382882	49.91 ug/L	100
106)	n-butylbenzene	17.26	91	596913	51.63 ug/L	98
107)	1,2-dibromo-3-chloropropan	18.19	75	32717	50.10 ug/L	93
108)	1,2,4-trichlorobenzene	19.17	180	253131	50.95 ug/L	98
109)	hexachlorobutadiene	19.34	225	128847	49.01 ug/L	99
110)	naphthalene	19.48	128	502777	51.63 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	195743	49.52 ug/L	99
112)	hexachloroethane	17.70	119	114690	45.90 ug/L	100
113)	Cyclohexane	10.35	84	261409	61.46 ug/L #	100

415

(#) = qualifier out of range (m) = manual integration

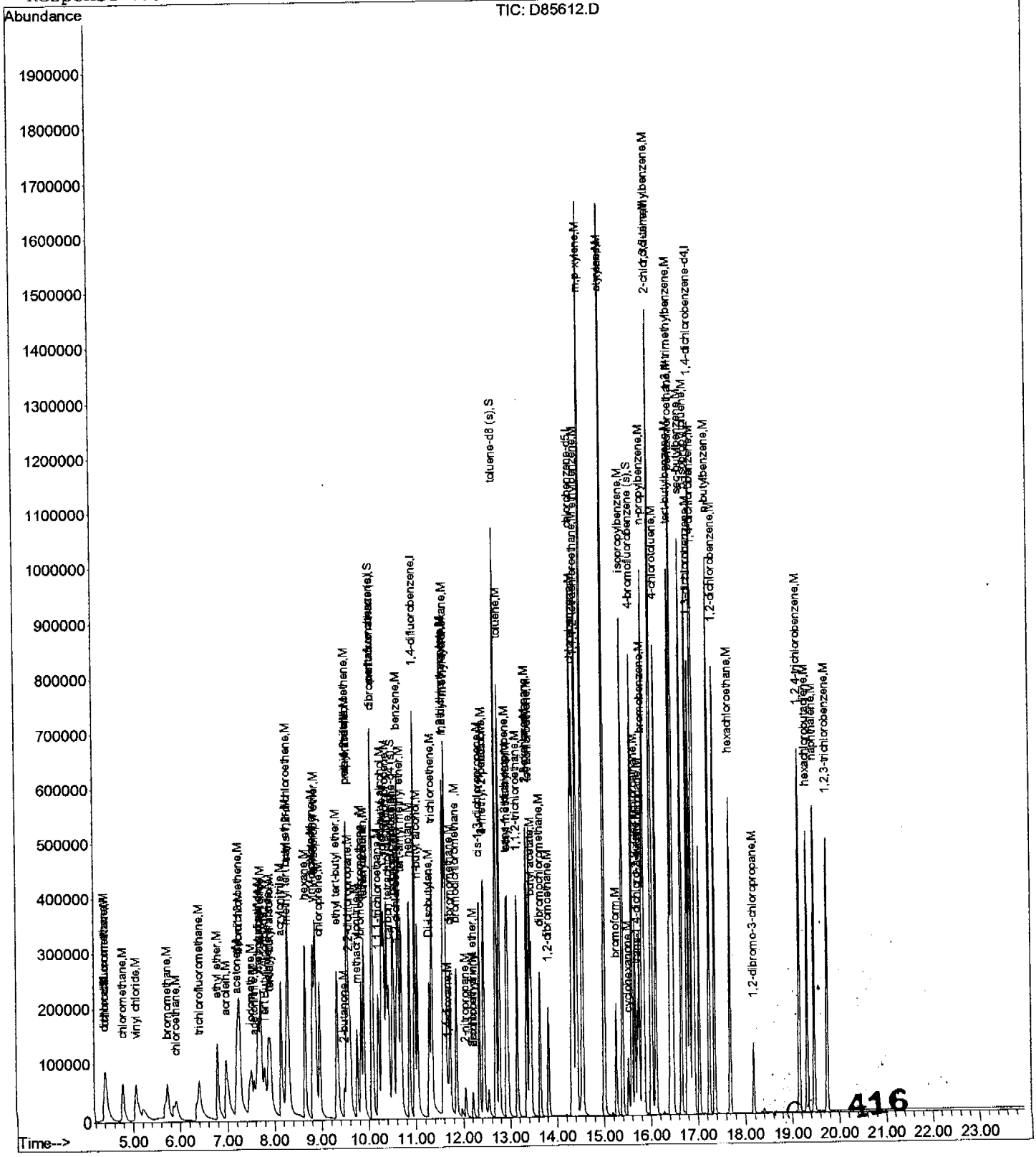
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



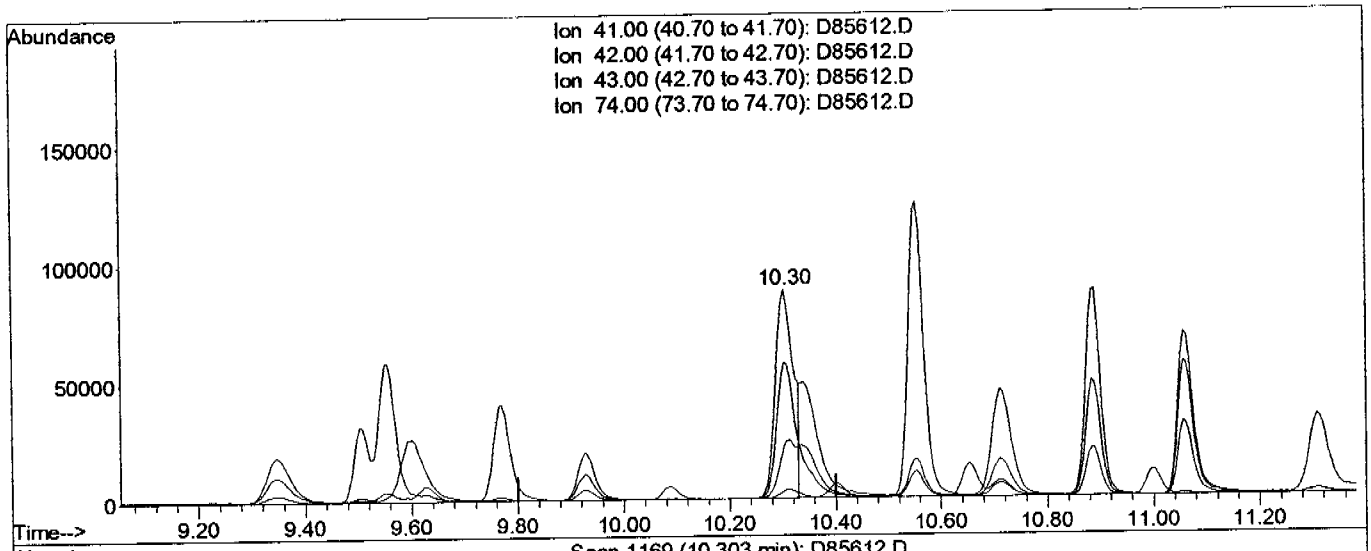
Quantitation Report (Qedit)

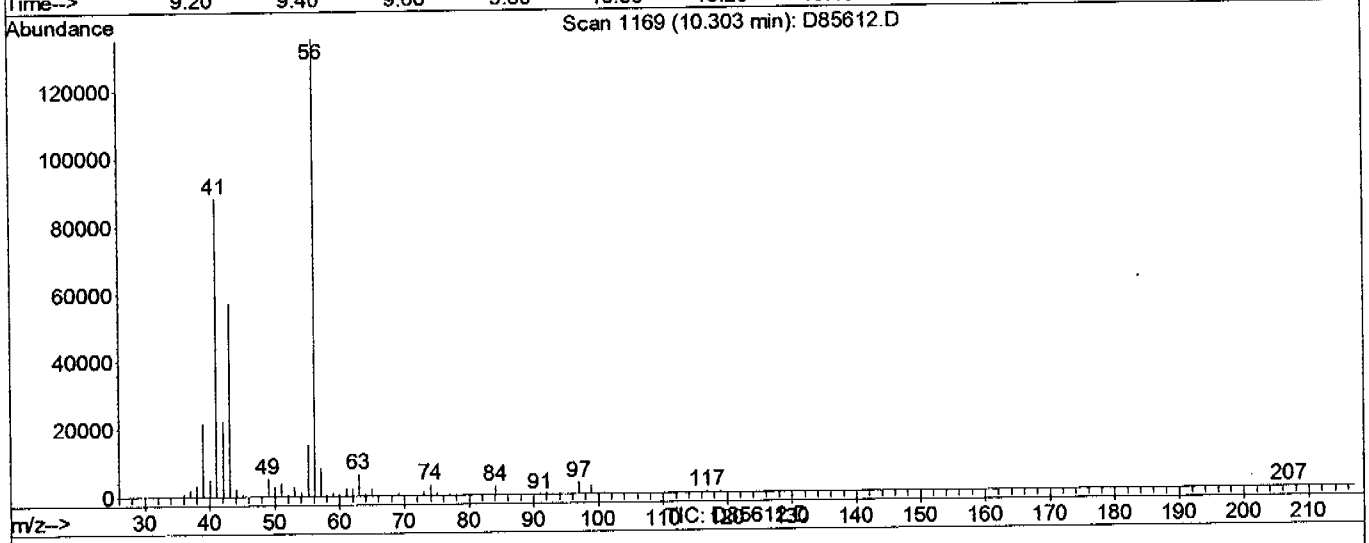
Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 510.98ug/L m

response 205560

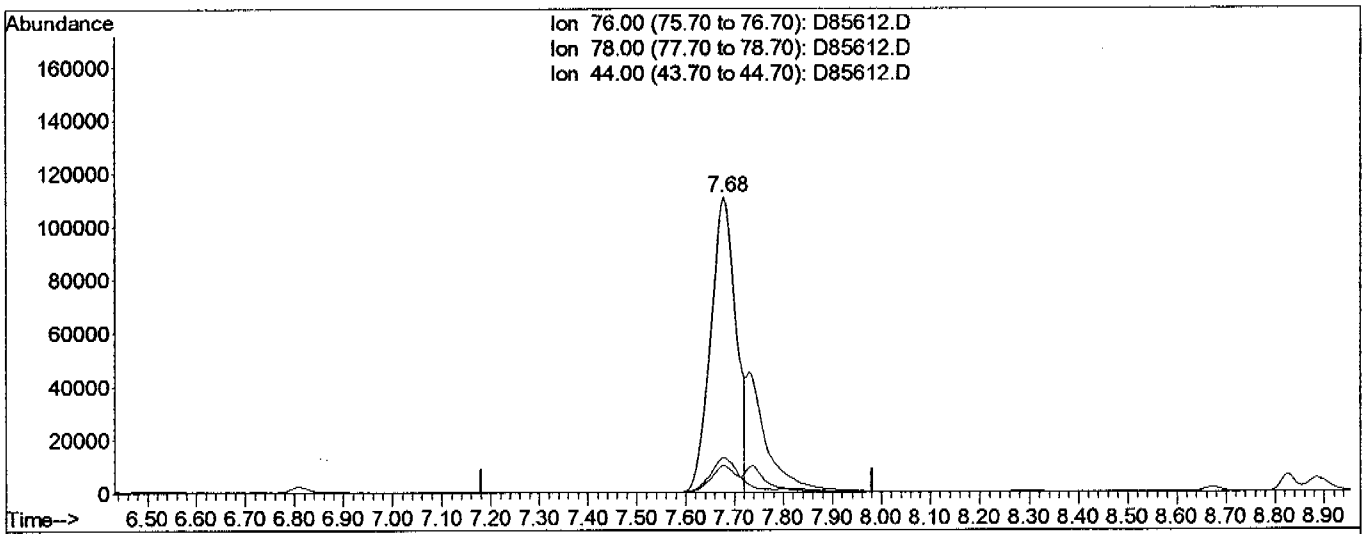
Ion	Exp%	Act%
41.00	100	100
42.00	23.60	25.33
43.00	64.90	65.08
74.00	2.90	3.47

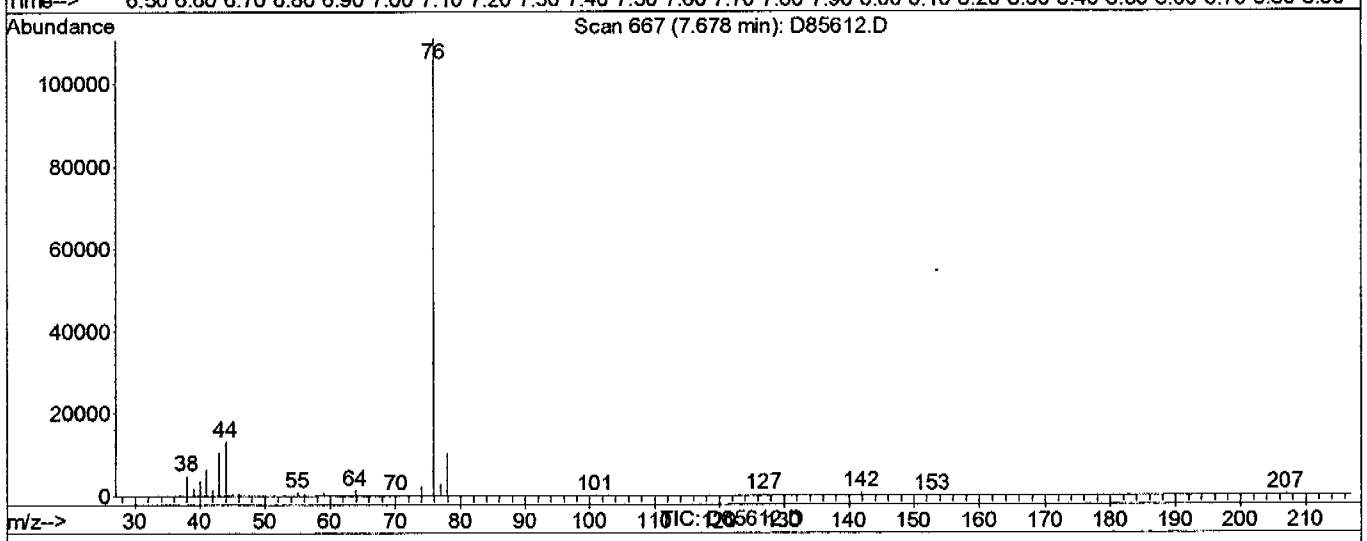
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 44.93ug/L m

response 397265

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.31
44.00	12.80	11.77
0.00	0.00	0.00

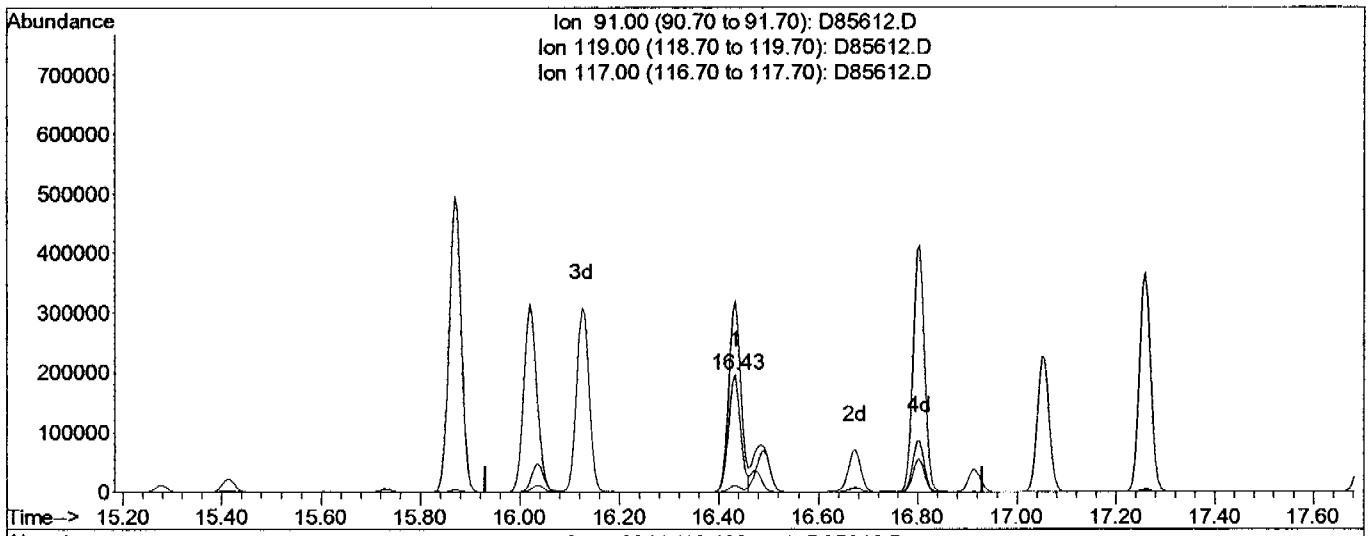
418

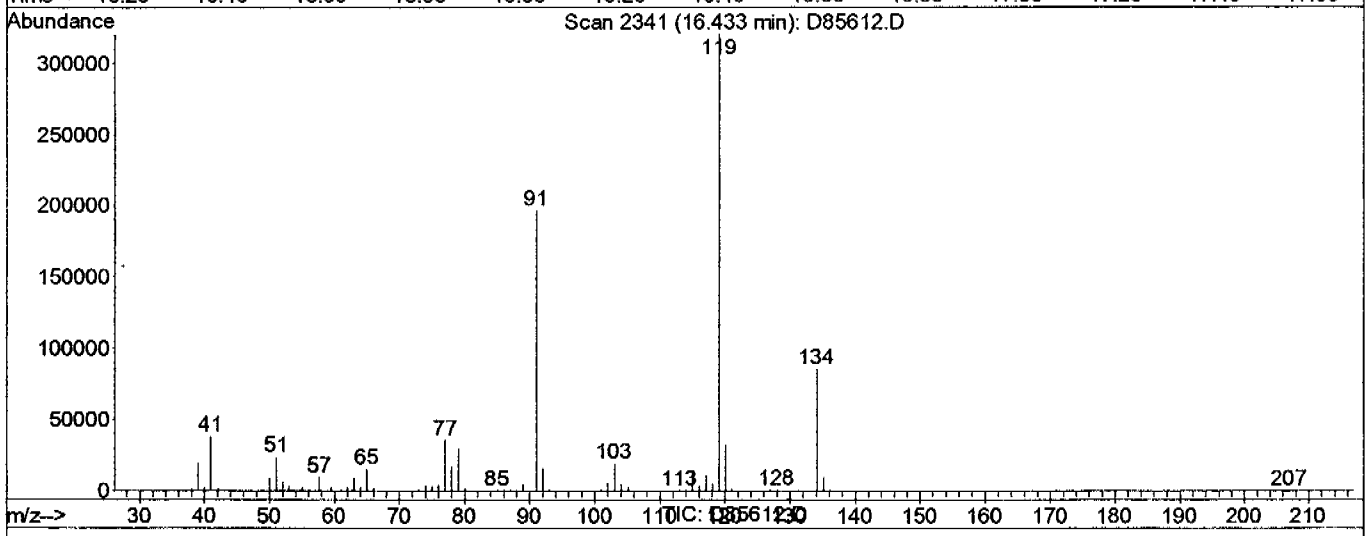
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85612.D
Acq On : 13 Aug 2004 8:35 pm
Sample : N74914-9MSD
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:14 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 51.38ug/L m

response 341404

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	163.58
117.00	5.60	5.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.82	65	160665	500.00 ug/L	0.00
3) pentafluorobenzene	10.09	168	397746	50.00 ug/L	0.00
44) 1,4-difluorobenzene	11.00	114	584300	50.00 ug/L	0.00
73) chlorobenzene-d5	14.33	117	556264	50.00 ug/L	0.00
86) 1,4-dichlorobenzene-d4	16.91	152	341157	50.00 ug/L	0.00

System Monitoring Compounds					
38) dibromofluoromethane (s)	10.10	113	176126	51.53 ug/L	0.00
Spiked Amount 50.000	Range 71 - 117		Recovery = 103.06%		
39) 1,2-dichloroethane-d4 (s)	10.53	65	199474	49.88 ug/L	0.00
Spiked Amount 50.000	Range 68 - 129		Recovery = 99.76%		
65) toluene-d8 (s)	12.71	98	699050	50.61 ug/L	0.00
Spiked Amount 50.000	Range 78 - 115		Recovery = 101.22%		
88) 4-bromofluorobenzene (s)	15.61	95	276959	49.33 ug/L	0.00
Spiked Amount 50.000	Range 73 - 127		Recovery = 98.66%		

Target Compounds					Qvalue
2) tertiary butyl alcohol	7.93	59	49053	222.34 ug/L	63
4) chlorodifluoromethane	4.43	51	165266	52.18 ug/L	98
5) dichlorodifluoromethane	4.41	85	93833	40.80 ug/L	99
6) chloromethane	4.80	50	116342	41.79 ug/L	98
7) vinyl chloride	5.07	62	116379	42.93 ug/L	98
8) bromomethane	5.75	94	82769	55.37 ug/L	97
9) chloroethane	5.94	64	70096m	52.89 ug/L	
10) trichlorofluoromethane	6.43	101	141738	44.10 ug/L	98
11) ethyl ether	6.81	74	75203	49.21 ug/L	99
12) acrolein	7.00	56	162407	766.44 ug/L	99
13) 1,1-dichloroethene	7.27	96	116449	49.62 ug/L	98
14) acetone	7.21	43	34327	39.78 ug/L	99
15) allyl chloride	7.74	41	256641	51.81 ug/L	90
16) acetonitrile	7.59	40	44979	308.02 ug/L	98
17) iodomethane	7.53	142	206755	49.51 ug/L	97
18) iso-butyl alcohol	10.30	41	180553m	516.75 ug/L	
19) carbon disulfide	7.68	76	369892m	48.16 ug/L	
20) methylene chloride	7.93	84	137488	48.41 ug/L	98
21) methyl acetate	7.70	43	98108	47.31 ug/L	99
22) methyl tert butyl ether	8.29	73	283410	41.07 ug/L	99
23) trans-1,2-dichloroethene	8.31	96	128775	50.42 ug/L	99
24) di-isopropyl ether	8.88	45	380609	50.38 ug/L	99
25) ethyl tert-butyl ether	9.35	59	318357	44.51 ug/L	98
26) 2-butanone	9.51	72	15806	47.49 ug/L	99
27) 1,1-dichloroethane	8.84	63	219733	48.36 ug/L	99
28) chloroprene	8.98	53	151532	53.19 ug/L	99
29) acrylonitrile	8.16	53	264893	250.39 ug/L	99
30) vinyl acetate	8.82	86	27281	52.78 ug/L	91
31) ethyl acetate	9.55	45	15005	47.63 ug/L #	31
32) 2,2-dichloropropane	9.60	77	147062	45.40 ug/L	98
33) cis-1,2-dichloroethene	9.56	96	137027	49.11 ug/L	98
34) propionitrile	9.55	54	200776	501.16 ug/L	98
35) bromochloromethane	9.86	128	69491	49.00 ug/L	99

420

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36) tetrahydrofuran	9.93	42	39230	48.06 ug/L	99
37) chloroform	9.92	83	211877	48.00 ug/L	99
40) freon 113	7.26	151	89896	48.21 ug/L	99
41) methacrylonitrile	9.77	41	76849	48.49 ug/L	97
42) 1,1,1-trichloroethane	10.22	97	181310	46.72 ug/L	99
43) tert-amyl methyl ether	10.71	73	348459	47.72 ug/L	93
45) Di-isobutylene	11.31	57	284324	46.19 ug/L	69
46) epichlorohydrin	12.23	57	74723	219.95 ug/L	99
47) n-butyl alcohol	11.06	56	185933	2534.55 ug/L	99
48) carbon tetrachloride	10.44	117	159088	47.02 ug/L	99
49) 1,1-dichloropropene	10.40	75	162483	48.28 ug/L	100
50) hexane	8.67	57	159098	52.84 ug/L	100
51) benzene	10.65	78	500212	48.31 ug/L	99
52) heptane	10.88	57	81231	52.29 ug/L	98
53) isopropyl acetate	10.55	43	228534	50.39 ug/L	100
54) 1,2-dichloroethane	10.62	62	160734	46.16 ug/L	99
55) trichloroethene	11.36	95	125385	47.37 ug/L	98
56) 2-nitropropane	12.07	43	29206	38.74 ug/L	96
57) 2-chloroethyl vinyl ether	12.13	63	440193	268.78 ug/L	99
58) methyl methacrylate	11.61	69	141159	52.80 ug/L	94
59) 1,2-dichloropropane	11.60	63	129663	48.44 ug/L	100
60) methylcyclohexane	11.65	83	209609	51.06 ug/L	100
61) dibromomethane	11.75	93	80350	47.93 ug/L	98
62) 1,4-dioxane	11.70	88	26350	1005.68 ug/L	96
63) bromodichloromethane	11.88	83	162104	48.55 ug/L	99
64) cis-1,3-dichloropropene	12.37	75	210953	48.71 ug/L	99
66) 4-methyl-2-pentanone	12.46	43	190605	50.32 ug/L	100
67) toluene	12.79	92	316454	47.66 ug/L	98
68) 3-methyl-1-butanol	12.45	70	77302	940.21 ug/L	96
69) trans-1,3-dichloropropene	12.94	75	193764	48.65 ug/L	99
70) ethyl methacrylate	12.97	69	174790	50.22 ug/L	98
71) 1,1,2-trichloroethane	13.17	83	98004	47.70 ug/L	99
72) 2-hexanone	13.37	43	83354	50.24 ug/L	100
74) tetrachloroethene	13.44	166	152455	46.11 ug/L	100
75) 1,3-dichloropropane	13.37	76	207651	48.26 ug/L	99
76) butyl acetate	13.47	56	90333	53.32 ug/L	99
77) dibromochloromethane	13.66	129	131255	49.57 ug/L	98
78) 1,2-dibromoethane	13.83	107	122292	48.68 ug/L	99
79) chlorobenzene	14.37	112	371406	46.63 ug/L	99
80) 1,1,1,2-tetrachloroethane	14.42	131	135276	48.40 ug/L	98
81) ethylbenzene	14.44	91	601615	48.48 ug/L	100
82) m,p-xylene	14.56	106	483537	98.41 ug/L	99
83) o-xylene	15.03	106	248672	50.29 ug/L	99
84) styrene	15.03	104	402154	52.06 ug/L	99
85) bromoform	15.28	173	94841	43.40 ug/L	99
87) isopropylbenzene	15.41	105	564104	48.70 ug/L	99
89) bromobenzene	15.83	156	170373	46.78 ug/L	96
90) cyclohexanone	15.53	55	42966	19.67 ug/L	97
91) 1,1,2,2-tetrachloroethane	15.68	83	164766	47.28 ug/L	99

0 421

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Quant Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Aug 13 09:49:34 2004
Response via : Initial Calibration
DataAcq Meth : MD3408

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
92)	trans-1,4-dichloro-2-buten	15.73	53	35125	37.60 ug/L	98
93)	1,2,3-trichloropropane	15.77	77	41057	44.84 ug/L	99
94)	n-propylbenzene	15.87	91	720034	48.47 ug/L	99
95)	2-chlorotoluene	16.02	91	500422	48.13 ug/L	99
96)	4-chlorotoluene	16.13	91	454452	47.60 ug/L	99
97)	1,3,5-trimethylbenzene	16.03	105	520422	49.16 ug/L	100
98)	tert-butylbenzene	16.43	91	292669m	48.00 ug/L	
99)	pentachloroethane	16.49	167	108316	51.09 ug/L	96
100)	1,2,4-trimethylbenzene	16.47	105	546486 8/11/04	49.42 ug/L	99
101)	sec-butylbenzene	16.67	105	681544	49.02 ug/L	99
102)	1,3-dichlorobenzene	16.86	146	337055	46.76 ug/L	99
103)	p-isopropyltoluene	16.80	119	592470	49.61 ug/L	100
104)	1,4-dichlorobenzene	16.94	146	350048	46.35 ug/L	100
105)	1,2-dichlorobenzene	17.37	146	331639	47.11 ug/L	98
106)	n-butylbenzene	17.26	91	521169	49.12 ug/L	100
107)	1,2-dibromo-3-chloropropan	18.19	75	28652	47.82 ug/L	99
108)	1,2,4-trichlorobenzene	19.17	180	223474	49.02 ug/L	99
109)	hexachlorobutadiene	19.33	225	111760	46.33 ug/L	98
110)	naphthalene	19.48	128	426005	47.68 ug/L	100
111)	1,2,3-trichlorobenzene	19.76	180	167358	46.14 ug/L	100
112)	hexachloroethane	17.70	119	98878	43.19 ug/L	99
113)	Cyclohexane	10.34	84	213096	54.60 ug/L #	100

422

(#) = qualifier out of range (m) = manual integration

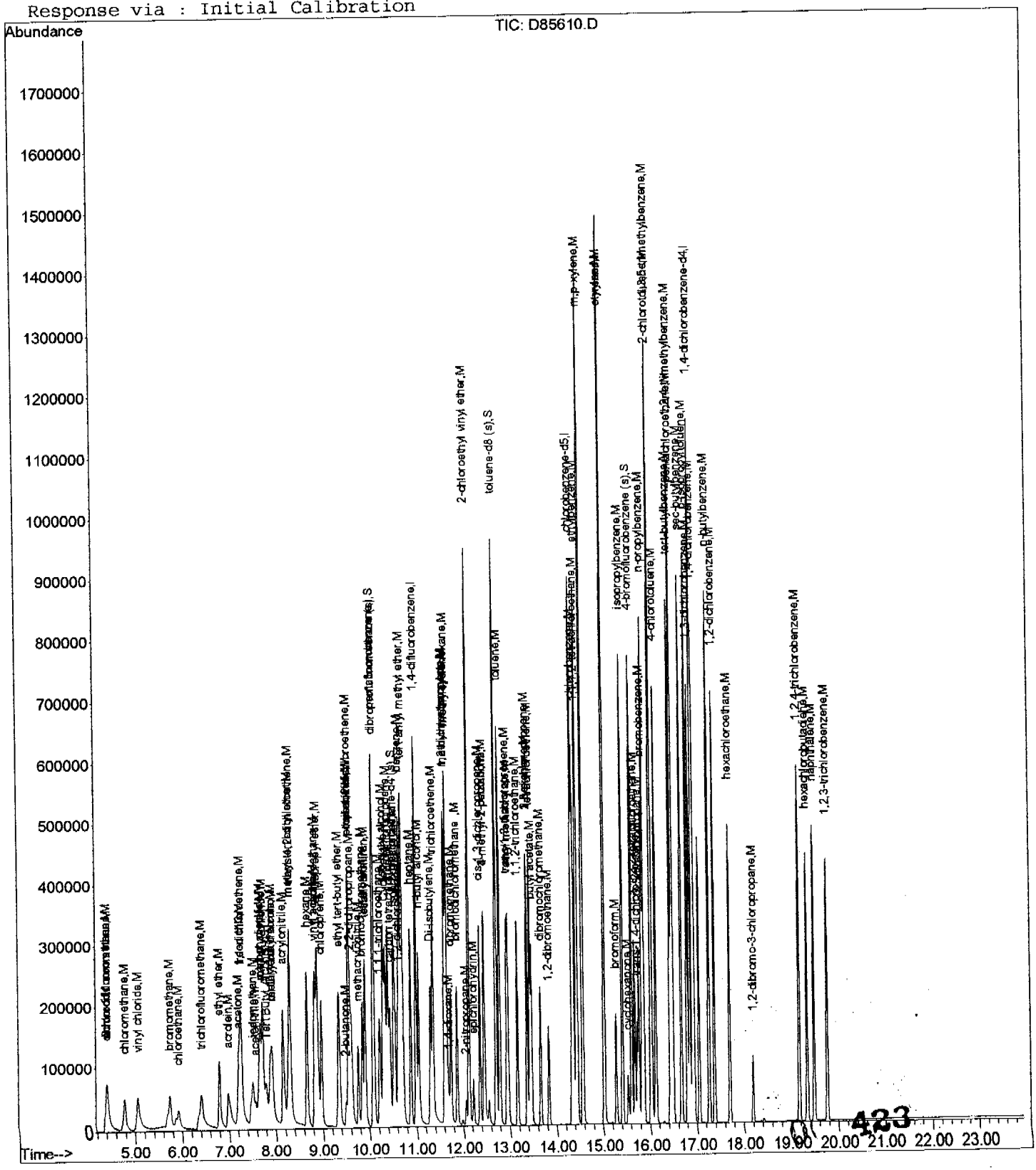
Quantitation Report

Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: MD3408.RES

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Initial Calibration



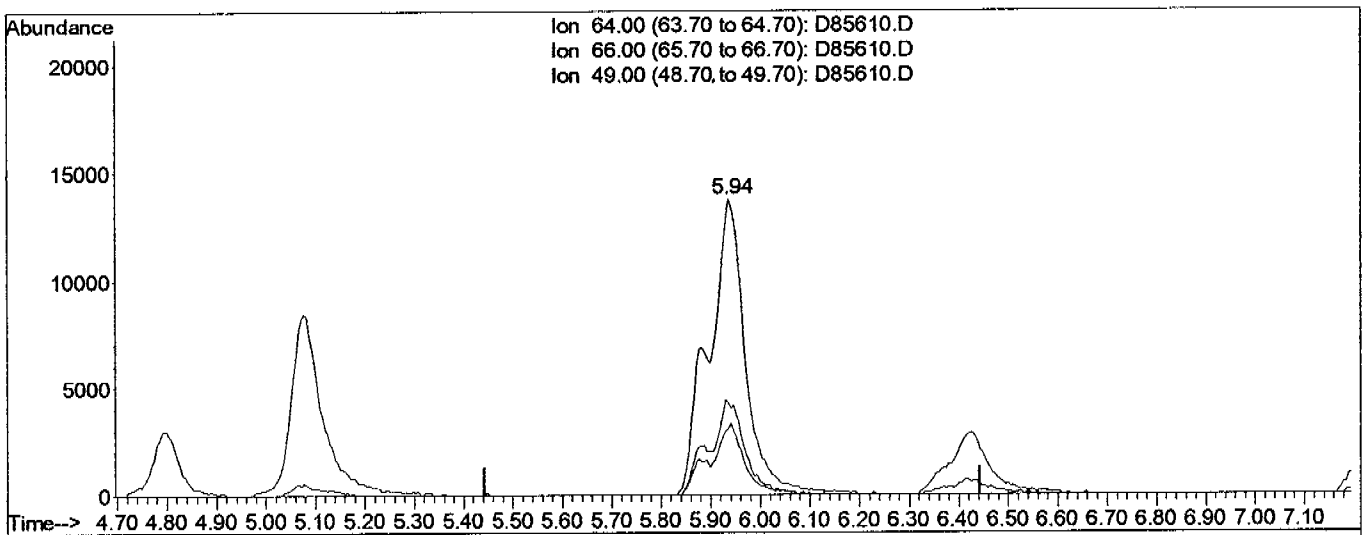
Quantitation Report (Qedit)

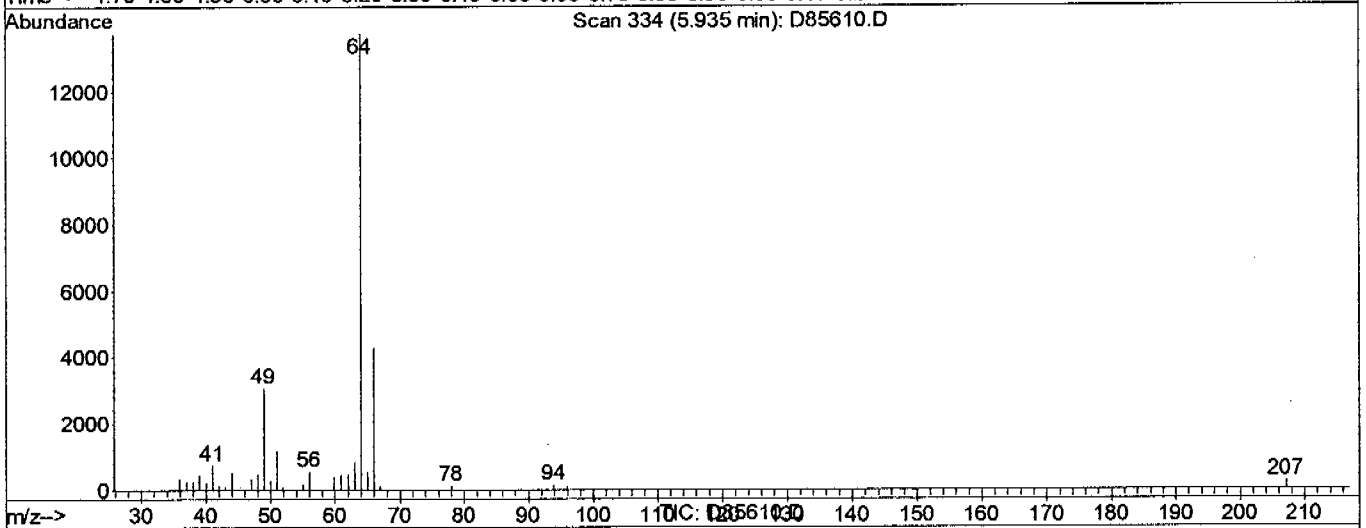
Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:10 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(9) chloroethane (M)

5.94min 52.89ug/L m

response 70096

Ion	Exp%	Act%
64.00	100	100
66.00	30.80	31.12
49.00	21.10	22.29
0.00	0.00	0.00

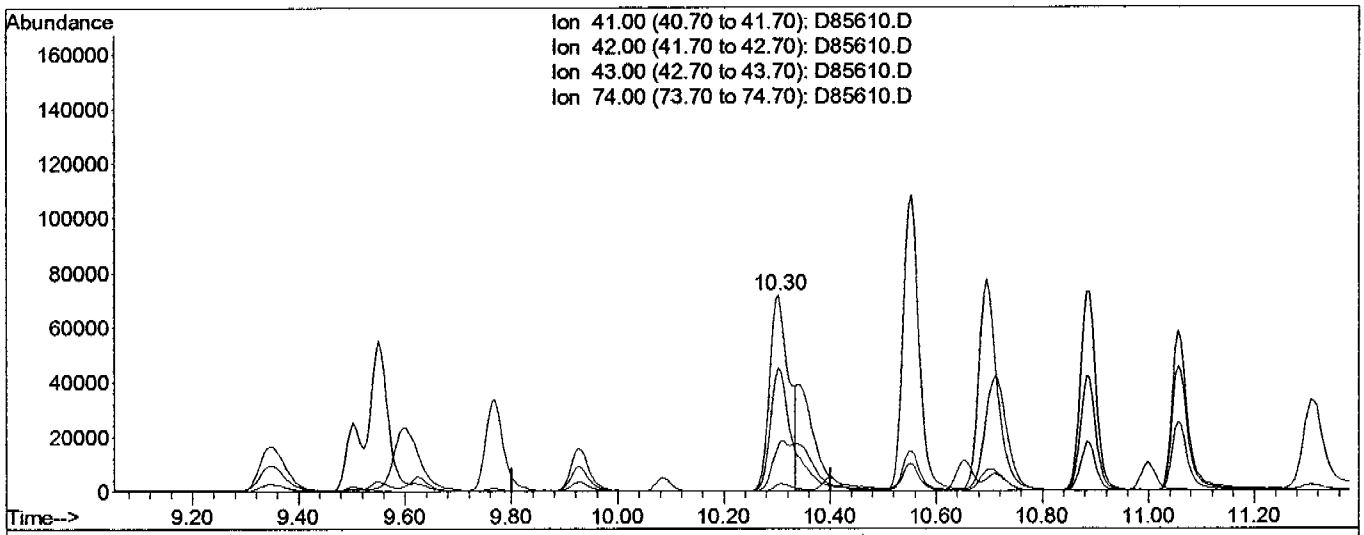
424

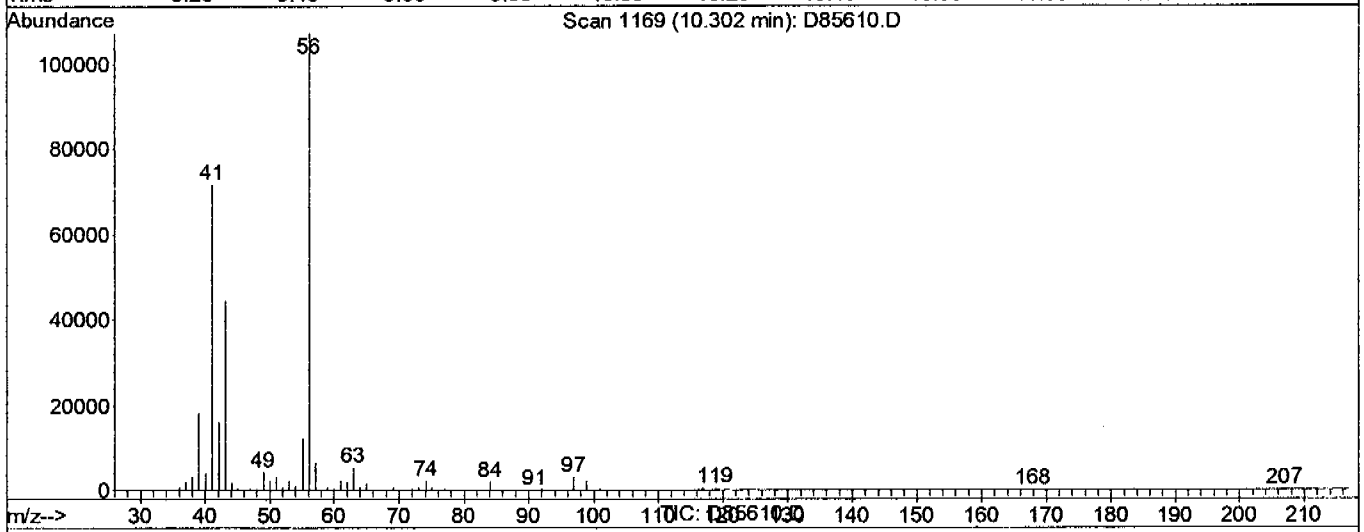
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(18) iso-butyl alcohol (M)

10.30min 516.75ug/L m

response 180553

Ion	Exp%	Act%
41.00	100	100
42.00	23.60	22.61
43.00	64.90	62.36
74.00	2.90	3.14

425

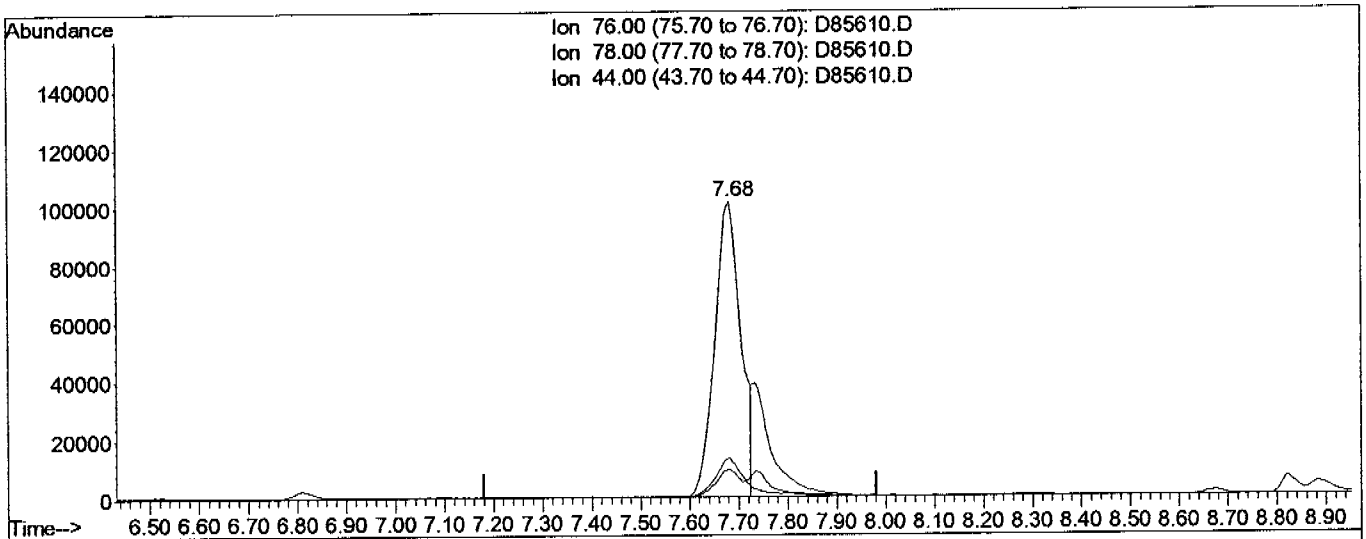
Quantitation Report (Qedit)

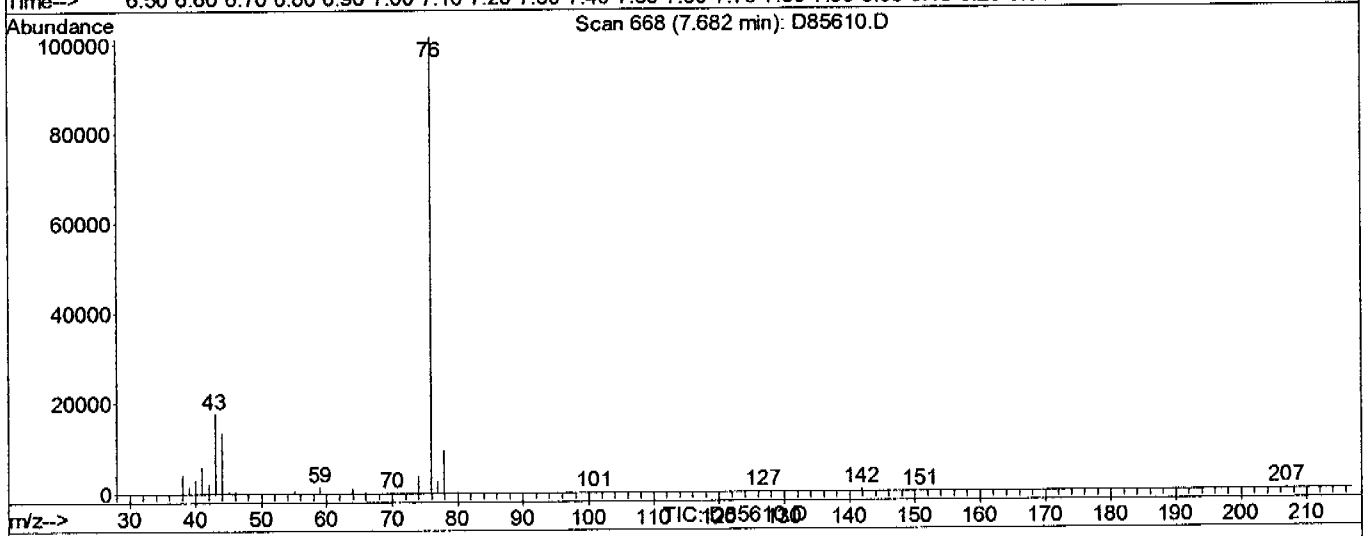
Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(19) carbon disulfide (M)

7.68min 48.16ug/L m

response 369892

Ion	Exp%	Act%
76.00	100	100
78.00	9.40	9.31
44.00	12.80	13.27
0.00	0.00	0.00

426

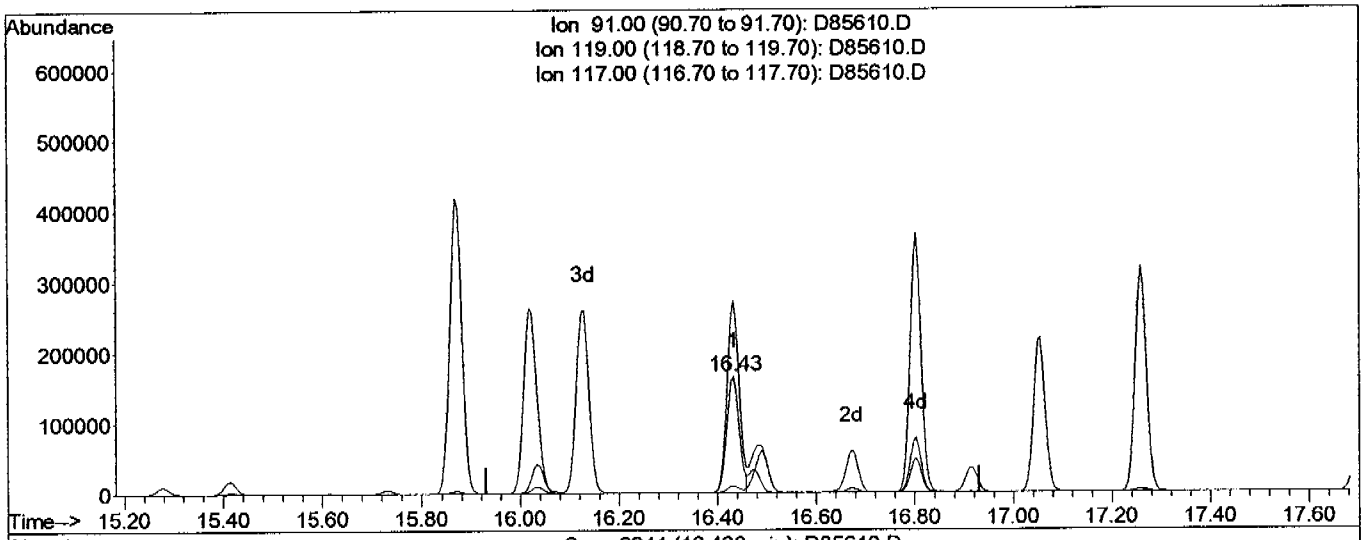
Quantitation Report (Qedit)

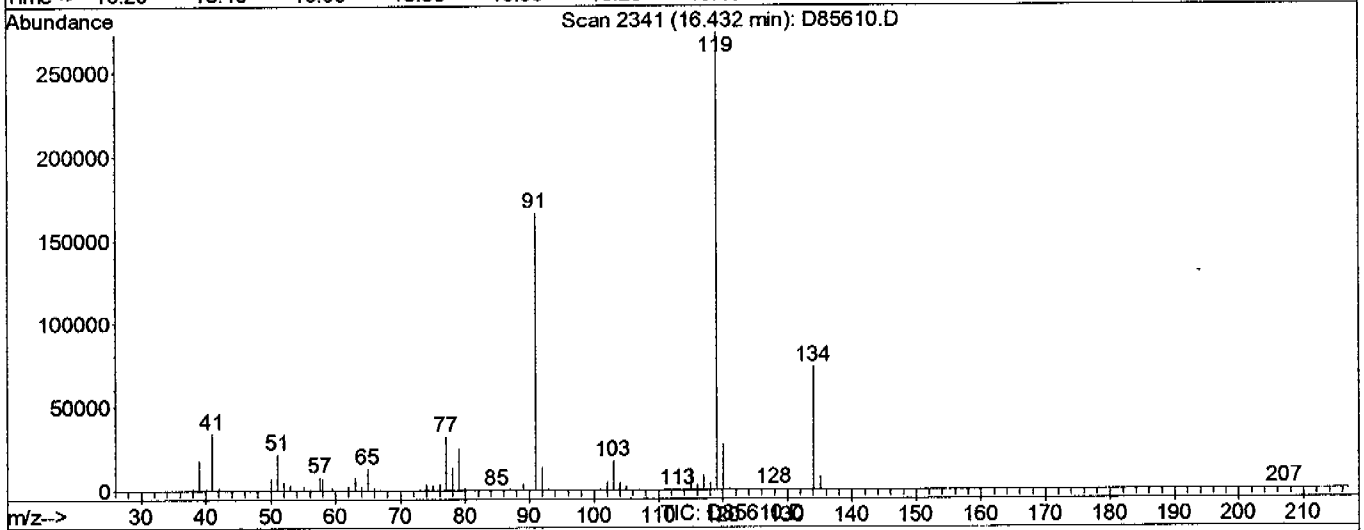
Data File : C:\HPCHEM\1\DATA\D85610.D
Acq On : 13 Aug 2004 7:34 pm
Sample : BS
Misc : MS2939,VD3415,5,,,,1
MS Integration Params: RTEINT3.P
Quant Time: Aug 16 8:11 2004

Vial: 100
Operator: YING
Inst : GCMS D
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\MD3408.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Sat Aug 14 17:58:09 2004
Response via : Multiple Level Calibration





(98) tert-butylbenzene (M)

16.43min 48.00ug/L m

response 292669

Ion	Exp%	Act%
91.00	100	100
119.00	164.80	165.02
117.00	5.60	5.46
0.00	0.00	0.00

427

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VD3408

Date: 8/9/04

Analyst Signature: [signature]

Columns: DB-624

Method ~~V524~~ V8260

Initial Cal. Method MD3408

Standard Data

Lot #	Description	Conc.
MV70-81	Acrolein	1000ppm
MV71-5	ZXT A1	100ppm
MV71-9	ZXT C1	100ppm

Standard Data

Lot #	Description	Conc.
MV70-61	A SID	100ppm
MV70-35	B SID	100ppm
MV71-18	C SID	100ppm
MV71-10	8260 Int/Surr	250/250ppm
MV69-44	B/B	25ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to com with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: 8/10

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	>D85420	B/B				1							OK		6:27 Am
	85421	IC2408-1				2							OK	A 0.5 B 0.5 C 0.5 (ul)	
	85422	IC2408-2				3							OK	1 1 1 (ul)	
	85423	IC2408-5				4							OK	2.5 2.5 2.5 (ul)	
	85424	IC2408-20				5							OK	10 10 10 (ul)	
	85425	IC2408-50				6							OK	25 25 25 (ul)	
	85426	IC2408-200				7							OK	100 100 100 (ul)	
	85427	IC2408-100				8							OK	200 200 200 (ul)	
	85428	CL				9									
	85429	CL				10									
	85430	MB1				11							OK		
	85431	BS (LCS)				12							OK	A.B.C1 Acrolein 25ul → 50ul	
	85432	N74212-1MS	.2625 PPL +10 +MZK		1	13	0.1ml		50X				OK	A-B-C 25ul → 50ul	✓
	85433	N74212-1MSD	MCBK+MAP		1	14			50X				OK	↓	✓
	85434	N74212-1			1	15			50X				OK		✓
	85435	N74212-2			1	16	5ml		1X				OK		✓
	85436	N74212-3			1	17			1X				OK		✓
	85437	N74212-4			1	18			1X				OK		✓
	85438	N74212-5			1	19	0.25ml		20X					RR 1:10	✓

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

428

Form: QR001.07

87

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VD 3415

Date: 8/13/04

Analyst Signature: [signature]

Columns: DB-624

Method V8260

Initial Cal. Method MD3408

Standard Data

Lot #	Description	Conc.
MV71-5	2X1 A1	100ppm
MV71-31	2X1 C1	100ppm
MV70-31	Acrolein	1000ppm

Standard Data

Lot #	Description	Conc.
MV71-10	8260 Int/Std	250/250ppm
MV71-23	8260 B STD	100ppm
MV71-26	8260 A STD	100ppm
MV71-18	8260 C STD	100ppm
MV6P-44	BFB	25ppm

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to com with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] **Date:** 8/16

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	>D85605	BFB				1							OK		4:24
	85606	CC 3408-20				2							OK	A-B-C 100ul each→5ml	
	85607	MB1				3							OK		
	85608	M74914-16 ~~MB1~~ 7/28/04	2838 ~~1mL~~ TCL42	TB		4							OK		✓
	85609	M74914-9		GW	11	5							OK		✓
	85610	BS				6							OK	A1, B-C1. Acrolein 25ul→5ml	
	85611	M74914-9MS			11/12	7							OK	A-B-C 25ul each→5ml	✓
	85612	M74914-9MSD			11/12	8							OK	↓	✓
	85613	CC				9							OK		
	85614	M74914-2		GW	11	10							OK		✓
	85615	M74914-3			11	11							OK		✓
	85616	M74914-4			11	12							OK		✓
	85617	M74914-5			11	13							OK		✓
	85618	M74914-6			11	14							OK		✓
	85619	M74914-7			11	15							OK		✓
	85620	M74914-8		TB	1	16							OK		✓
	85621	M74914-1 ~~M74287-4~~	2838 ~~1mL~~ TC	GW	7	17							OK	Add more Surr Hard Run in Same batch due to Surr. chrge	✓
	85622	M74914-10 ~~M74287-5~~	TC		7	18							OK		✓
	85623	M74914-11 ~~M74287-6~~	TC 11/12		7	19							OK		✓

429

MTX = Matrix Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample Amt = Volume (ML) or Weight (g); MOH amt.= volume (ul) extract injected * IF pH > 2, comment on sample result.

Form: OR001-07

ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VD 3415 / VD 3416

Date: 8/13/04

Analyst Signature: [illegible]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 0	111

Columns: DB - 624

Method: V8260

Initial Cal. Method: MD 3408

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to com with the criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 8/16

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
			2P3P												
	2D85624	~~H74P14-12~~ ~~H742P7-7~~	~~2P8P~~ PPL+10	Sw	10	20	5mP		1X		✓		ok		✓
	85625	~~H74P14-13~~ ~~H742P7-8~~	↓	↓	11	21	↓		1X		✓		ok		✓
	85626	~~H74P14-14~~ ~~H73P3-2~~	~~2P8P~~ ~~1X10X~~	TB	11	22	5mP		1X		✓		ok		✓
	85627	~~H74P14-15~~ ~~H73P31-1~~	↓	Sw	11	23			1X		✓		ok		✓ 4:08
	85628	~~H74P14-16~~ ~~H74P0-1~~ EAB	8/13/04 SEAR	TB	1	24	↓		1X		✓				✓
	85629	BB-13				25							ok		5:07
	85630	CC3408-50				26							ok	A·B·C 2mL 2mL	
	85631	cc				27					✓				
	85632	MB1				28				✓	✓		ok		
	85633	BS				29					✓		ok	A1·B·C1·Acrolein 2mL 2mL	
	85634	H742P7-4	2P6P PPL+10	Sw	7	30	5mP		1X		✓		ok		✓
	85635	H742P7-5			7	31			1X		✓		ok		✓
	85636	H742P7-6			7	32			1X		✓		ok		✓
	85637	H742P7-7			7	33			1X		✓		ok		✓
	85638	H742P7-8			7	34			1X		✓		ok		✓
	85639	H742P7-9			7	35			1X		✓		ok		✓
	85640	H742P7-10			7	36			1X		✓		ok		✓
	85641	H742P7-11			7	37			1X		✓		ok		✓
	85642	H742P7-12			7	38			1X		✓		ok		✓

430

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

Form: OR001-07

GC/MS
SEMIVOLATILE

ACCUTEST

GC/MS Analysis Case Narrative/Conformance/Non-Conformance Summary

Fraction Semivolatile

	NO	YES
1. Chromatograms Labeled/Compounds Identified *(Field Samples and Method Blanks)*		✓
2. GC/MS Tune Meet Criteria		✓
3. GC/MS Tuning Frequency – Performed every 24 hours for 600 series and 12 hours for 8000 series.		✓
4. GC/MS Calibration – Initial and Continuing Calibration Meet Method Requirements		✓
5. GC/MS Calibration Requirements		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination	✓	
If yes, the sample result is qualified with a "B".		
7. Surrogate Recoveries Meet Criteria		✓
If the requirement is not met, refer to the Surrogate Summary for comment.		
8. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓
If the requirement is not met, refer to MS/MSD Summary for comment.		
9. Internal Standard Area/Retention Time Shift Meet Criteria		✓
If the requirement is not met, refer to the Internal Standard Summary for comment.		
10. Extraction Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		
11. Analysis Holding Time Met		✓
If the holding time is not met, refer to the Sample Result page for comment.		

12. Volatile Sample Preservation – pH should be < 2. *List any non-compliant samples below:*

Additional Comments:

QC Review Signature: [signature] **Date:** 8/25/04 432

Form: RG04
Rev. Date: 2/9/00

Semivolatile Surrogate Recovery Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Method: SW846 8270C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
N74914-1	F44556.D	42.0	25.0	78.0	68.0	69.0	95.0
N74914-2	F44557.D	52.0	29.0	88.0	76.0	81.0	90.0
N74914-3	F44558.D	43.0	25.0	69.0	64.0	69.0	73.0
N74914-4	F44559.D	51.0	29.0	88.0	78.0	79.0	92.0
N74914-5	F44560.D	54.0	35.0	91.0	82.0	83.0	95.0
N74914-6	F44561.D	57.0	35.0	93.0	85.0	82.0	97.0
N74914-7	F44562.D	50.0	30.0	82.0	83.0	83.0	94.0
N74914-9	F44563.D	53.0	31.0	84.0	76.0	76.0	88.0
N74914-10	F44564.D	54.0	32.0	85.0	80.0	83.0	92.0
N74914-11	F44565.D	58.0	35.0	86.0	81.0	82.0	94.0
N74914-12	F44566.D	58.0	36.0	84.0	83.0	84.0	93.0
N74914-13	F44567.D	55.0	35.0	85.0	83.0	84.0	92.0
N74914-14	F44568.D	57.0	34.0	84.0	85.0	82.0	93.0
N74914-15	F44569.D	55.0	33.0	86.0	84.0	83.0	98.0
OP17702-BS1	F44555.D	45.0	31.0	88.0	75.0	75.0	85.0
OP17702-MB1	F44554.D	50.0	31.0	88.0	78.0	78.0	88.0
OP17702-MS	F44579.D	44.0	32.0	82.0	71.0	74.0	85.0
OP17702-MSD	F44580.D	47.0	35.0	84.0	69.0	76.0	87.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-88%
S2 = Phenol-d5	10-71%
S3 = 2,4,6-Tribromophenol	45-134%
S4 = Nitrobenzene-d5	32-128%
S5 = 2-Fluorobiphenyl	34-121%
S6 = Terphenyl-d14	41-129%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MS	F44579.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
OP17702-MSD	F44580.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
N74914-9	F44563.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	N74914-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		57.5	38.8	68	42.1	68	8	30-117/28
59-50-7	4-Chloro-3-methyl phenol	ND		57.5	45.1	78	48.9	79	8	36-129/25
120-83-2	2,4-Dichlorophenol	ND		57.5	44.5	77	49.0	79	10	37-124/27
105-67-9	2,4-Dimethylphenol	ND		57.5	42.6	74	43.3	70	2	28-121/28
51-28-5	2,4-Dinitrophenol	ND		115	81.8	71	93.1	75	13	8-144/32
534-52-1	4,6-Dinitro-o-cresol	ND		57.5	48.0	84	54.6	88	13	24-142/29
95-48-7	2-Methylphenol	ND		57.5	39.4	69	42.1	68	7	30-114/28
	3&4-Methylphenol	ND		57.5	35.9	62	40.2	65	11	21-122/28
88-75-5	2-Nitrophenol	ND		57.5	37.2	65	42.6	69	14	34-123/27
100-02-7	4-Nitrophenol	ND		57.5	22.9	40	27.6	45	19	1-129/33
108-95-2	Phenol	ND		57.5	22.1	38	23.6	38	7	1-102/32
58-90-2	2,3,4,6-Tetrachlorophenol	ND		57.5	46.3	81	49.0	79	6	51-129/23
95-95-4	2,4,5-Trichlorophenol	ND		57.5	45.4	79	51.0	83	12	41-131/24
88-06-2	2,4,6-Trichlorophenol	ND		57.5	46.8	81	50.9	82	8	43-121/25
83-32-9	Acenaphthene	ND		57.5	44.1	77	47.5	77	7	40-114/30
208-96-8	Acenaphthylene	ND		57.5	44.0	77	47.9	78	8	36-106/31
98-86-2	Acetophenone	ND		57.5	40.2	70	43.4	70	8	33-128/33
120-12-7	Anthracene	ND		57.5	50.5	88	53.9	87	7	54-119/23
1912-24-9	Atrazine	ND		57.5	41.0	71	43.7	71	6	31-166/26
100-52-7	Benzaldehyde	ND		57.5	33.2	58	35.4	57	6	1-137/42
56-55-3	Benzo(a)anthracene	ND		57.5	50.2	87	54.9	89	9	57-122/22
50-32-8	Benzo(a)pyrene	ND		57.5	51.3	89	55.0	89	7	53-126/23
205-99-2	Benzo(b)fluoranthene	ND		57.5	51.5	90	54.6	88	6	50-135/26
191-24-2	Benzo(g,h,i)perylene	ND		57.5	51.9	90	55.6	90	7	35-141/29
207-08-9	Benzo(k)fluoranthene	ND		57.5	50.1	87	55.0	89	9	37-144/24
101-55-3	4-Bromophenyl phenyl ether	ND		57.5	47.6	83	51.0	83	7	49-121/25
85-68-7	Butyl benzyl phthalate	ND		57.5	50.8	88	57.8	94	13	56-132/23
92-52-4	1,1'-Biphenyl	ND		57.5	43.3	75	47.1	76	8	37-120/30
91-58-7	2-Chloronaphthalene	ND		57.5	44.1	77	49.3	80	11	34-115/30
106-47-8	4-Chloroaniline	ND		57.5	34.8	61	37.0	60	6	10-108/37
86-74-8	Carbazole	ND		57.5	54.1	94	58.2	94	7	49-146/22
105-60-2	Caprolactam	ND		57.5	7.0	12	8.9	14	24	1-96/43
218-01-9	Chrysene	ND		57.5	51.2	89	55.2	89	8	55-125/23
111-91-1	bis(2-Chloroethoxy)methane	ND		57.5	45.4	79	49.6	80	9	37-119/32
111-44-4	bis(2-Chloroethyl)ether	ND		57.5	42.1	73	44.7	72	6	32-122/37
108-60-1	bis(2-Chloroisopropyl)ether	ND		57.5	40.4	70	42.7	69	6	34-112/32

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MS	F44579.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
OP17702-MSD	F44580.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
N74914-9	F44563.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	N74914-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl phenyl ether	ND		57.5	45.6	79	49.4	80	8	43-118/27
121-14-2	2,4-Dinitrotoluene	ND		57.5	48.1	84	54.1	88	12	50-125/31
606-20-2	2,6-Dinitrotoluene	ND		57.5	48.6	85	52.9	86	8	45-124/28
91-94-1	3,3'-Dichlorobenzidine	ND		57.5	53.1	92	59.1	96	11	1-145/37
123-91-1	1,4-Dioxane	ND		57.5	16.8	29	17.6	29	5	1-86/37
53-70-3	Dibenzo(a,h)anthracene	ND		57.5	52.5	91	56.8	92	8	40-138/27
132-64-9	Dibenzofuran	ND		57.5	46.5	81	50.6	82	8	42-119/28
84-74-2	Di-n-butyl phthalate	ND		57.5	52.8	92	57.5	93	9	54-131/22
117-84-0	Di-n-octyl phthalate	ND		57.5	46.0	80	52.5	85	13	49-151/25
84-66-2	Diethyl phthalate	ND		57.5	49.3	86	52.9	86	7	49-123/24
131-11-3	Dimethyl phthalate	ND		57.5	46.4	81	50.8	82	9	39-124/27
117-81-7	bis(2-Ethylhexyl)phthalate	ND		57.5	47.7	83	52.7	85	10	51-140/29
206-44-0	Fluoranthene	ND		57.5	51.7	90	54.7	89	6	52-129/22
86-73-7	Fluorene	ND		57.5	45.9	80	49.6	80	8	43-116/26
118-74-1	Hexachlorobenzene	ND		57.5	47.6	83	51.1	83	7	49-121/24
87-68-3	Hexachlorobutadiene	ND		57.5	41.4	72	42.8	69	3	30-126/33
77-47-4	Hexachlorocyclopentadiene	ND		115	79.1	69	88.6	72	11	1-109/41
67-72-1	Hexachloroethane	ND		57.5	35.9	62	39.3	64	9	22-113/34
193-39-5	Indeno(1,2,3-cd)pyrene	ND		57.5	52.8	92	56.3	91	6	40-139/28
78-59-1	Isophorone	ND		57.5	43.0	75	46.3	75	7	34-116/37
91-57-6	2-Methylnaphthalene	ND		57.5	43.9	76	46.5	75	6	28-123/32
88-74-4	2-Nitroaniline	ND		57.5	44.6	78	48.9	79	9	30-135/33
99-09-2	3-Nitroaniline	ND		57.5	42.7	74	48.8	79	13	15-134/35
100-01-6	4-Nitroaniline	ND		57.5	48.6	85	49.3	80	1	18-153/32
91-20-3	Naphthalene	ND		57.5	39.9	69	42.6	69	7	22-120/30
98-95-3	Nitrobenzene	ND		57.5	42.5	74	46.7	76	9	31-118/32
621-64-7	N-Nitroso-di-n-propylamine	ND		57.5	42.9	75	46.5	75	8	32-125/33
86-30-6	N-Nitrosodiphenylamine	ND		57.5	47.6	83	50.5	82	6	49-131/24
85-01-8	Phenanthrene	ND		57.5	48.9	85	51.7	84	6	51-117/23
129-00-0	Pyrene	ND		57.5	49.1	85	54.3	88	10	54-122/22
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		57.5	44.5	77	48.2	78	8	59-109/40

CAS No.	Surrogate Recoveries	MS	MSD	N74914-9	Limits
367-12-4	2-Fluorophenol	44%	47%	53%	10-88%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MS	F44579.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
OP17702-MSD	F44580.D	1	08/19/04	NAP	08/13/04	OP17702	EF2405
N74914-9	F44563.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Surrogate Recoveries	MS	MSD	N74914-9	Limits
4165-62-2	Phenol-d5	32%	35%	31%	10-71%
118-79-6	2,4,6-Tribromophenol	82%	84%	84%	45-134%
4165-60-0	Nitrobenzene-d5	71%	69%	76%	32-128%
321-60-8	2-Fluorobiphenyl	74%	76%	76%	34-121%
1718-51-0	Terphenyl-d14	85%	87%	88%	41-129%

Blank Spike Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-BS1	F44555.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.3	69	49-101
59-50-7	4-Chloro-3-methyl phenol	50	40.5	81	52-111
120-83-2	2,4-Dichlorophenol	50	39.1	78	54-110
105-67-9	2,4-Dimethylphenol	50	36.1	72	40-108
51-28-5	2,4-Dinitrophenol	100	69.9	70	32-129
534-52-1	4,6-Dinitro-o-cresol	50	40.1	80	49-125
95-48-7	2-Methylphenol	50	33.9	68	40-98
	3&4-Methylphenol	50	30.3	61	32-97
88-75-5	2-Nitrophenol	50	33.3	67	50-112
100-02-7	4-Nitrophenol	50	18.3	37	1-88
108-95-2	Phenol	50	17.0	34	1-84
58-90-2	2,3,4,6-Tetrachlorophenol	50	38.4	77	55-119
95-95-4	2,4,5-Trichlorophenol	50	40.6	81	57-118
88-06-2	2,4,6-Trichlorophenol	50	38.9	78	55-114
83-32-9	Acenaphthene	50	39.1	78	53-109
208-96-8	Acenaphthylene	50	39.1	78	48-101
98-86-2	Acetophenone	50	37.3	75	52-116
120-12-7	Anthracene	50	45.0	90	61-113
1912-24-9	Atrazine	50	36.0	72	48-161
100-52-7	Benzaldehyde	50	52.1	104	1-130
56-55-3	Benzo(a)anthracene	50	42.7	85	62-115
50-32-8	Benzo(a)pyrene	50	44.7	89	60-118
205-99-2	Benzo(b)fluoranthene	50	44.9	90	58-122
191-24-2	Benzo(g,h,i)perylene	50	45.4	91	52-131
207-08-9	Benzo(k)fluoranthene	50	42.3	85	51-131
101-55-3	4-Bromophenyl phenyl ether	50	41.2	82	57-115
85-68-7	Butyl benzyl phthalate	50	43.6	87	61-124
92-52-4	1,1'-Biphenyl	50	37.4	75	50-116
91-58-7	2-Chloronaphthalene	50	39.7	79	50-109
106-47-8	4-Chloroaniline	50	37.2	74	27-115
86-74-8	Carbazole	50	48.2	96	60-133
105-60-2	Caprolactam	50	8.0	16	1-76
218-01-9	Chrysene	50	44.2	88	61-118
111-91-1	bis(2-Chloroethoxy)methane	50	42.1	84	50-115
111-44-4	bis(2-Chloroethyl)ether	50	36.8	74	45-113
108-60-1	bis(2-Chloroisopropyl)ether	50	35.7	71	46-109

Blank Spike Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-BS1	F44555.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
7005-72-3	4-Chlorophenyl phenyl ether	50	39.8	80	54-115
121-14-2	2,4-Dinitrotoluene	50	43.6	87	62-118
606-20-2	2,6-Dinitrotoluene	50	41.7	83	57-118
91-94-1	3,3'-Dichlorobenzidine	50	43.8	88	39-131
123-91-1	1,4-Dioxane	50	16.1	32	1-73
53-70-3	Dibenzo(a,h)anthracene	50	46.1	92	53-130
132-64-9	Dibenzofuran	50	41.5	83	55-115
84-74-2	Di-n-butyl phthalate	50	46.1	92	61-125
117-84-0	Di-n-octyl phthalate	50	40.6	81	55-140
84-66-2	Diethyl phthalate	50	43.2	86	57-118
131-11-3	Dimethyl phthalate	50	40.5	81	45-123
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.3	83	57-128
206-44-0	Fluoranthene	50	44.6	89	60-122
86-73-7	Fluorene	50	41.0	82	54-112
118-74-1	Hexachlorobenzene	50	42.3	85	58-114
87-68-3	Hexachlorobutadiene	50	34.5	69	41-116
77-47-4	Hexachlorocyclopentadiene	100	65.1	65	19-107
67-72-1	Hexachloroethane	50	32.1	64	36-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.2	92	52-131
78-59-1	Isophorone	50	38.4	77	46-113
91-57-6	2-Methylnaphthalene	50	39.6	79	47-109
88-74-4	2-Nitroaniline	50	40.2	80	53-122
99-09-2	3-Nitroaniline	50	41.1	82	43-127
100-01-6	4-Nitroaniline	50	44.4	89	47-140
91-20-3	Naphthalene	50	36.3	73	44-105
98-95-3	Nitrobenzene	50	41.1	82	46-108
621-64-7	N-Nitroso-di-n-propylamine	50	38.3	77	50-117
86-30-6	N-Nitrosodiphenylamine	50	42.3	85	60-121
85-01-8	Phenanthrene	50	42.6	85	59-110
129-00-0	Pyrene	50	42.4	85	60-115
95-94-3	1,2,4,5-Tetrachlorobenzene	50	37.9	76	46-105

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	45%	10-88%

Blank Spike Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-BS1	F44555.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Surrogate Recoveries	BSP	Limits
4165-62-2	Phenol-d5	31%	10-71%
118-79-6	2,4,6-Tribromophenol	88%	45-134%
4165-60-0	Nitrobenzene-d5	75%	32-128%
321-60-8	2-Fluorobiphenyl	75%	34-121%
1718-51-0	Terphenyl-d14	85%	41-129%

Method Blank Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MB1	F44554.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	4.7	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.73	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.65	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.72	ug/l	
	3&4-Methylphenol	ND	5.0	0.70	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.73	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.0	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.74	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.80	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.0	0.53	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.0	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.27	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.38	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.37	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.54	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.54	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.43	ug/l	
86-74-8	Carbazole	ND	2.0	0.34	ug/l	
105-60-2	Caprolactam	ND	2.0	0.44	ug/l	
218-01-9	Chrysene	ND	2.0	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.44	ug/l	

Method Blank Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MB1	F44554.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.78	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.62	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.39	ug/l	
123-91-1	1,4-Dioxane	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.58	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.49	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.63	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.58	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.74	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.63	ug/l	
86-73-7	Fluorene	ND	2.0	0.89	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.45	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.67	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.5	ug/l	
78-59-1	Isophorone	ND	2.0	0.54	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.72	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.80	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.23	ug/l	
129-00-0	Pyrene	ND	2.0	0.58	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	5.0	0.63	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	10-88%

Method Blank Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17702-MB1	F44554.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404

The QC reported here applies to the following samples: **Method:** SW846 8270C

N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	31%	10-71%
118-79-6	2,4,6-Tribromophenol	88%	45-134%
4165-60-0	Nitrobenzene-d5	78%	32-128%
321-60-8	2-Fluorobiphenyl	78%	34-121%
1718-51-0	Terphenyl-d14	88%	41-129%

Instrument Performance Check (DFTPP)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample:	EF2402-DFTPP	**Injection Date:**	08/16/04
Lab File ID:	F44504.D	**Injection Time:**	13:51
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11629	39.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	13576	46.6		Pass
70	Less than 2.0% of mass 69	66	0.23	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	14695	50.5		Pass
197	Less than 1.0% of mass 198	2	0.01		Pass
198	Base peak, 100% relative abundance	29112	100.0		Pass
199	5.0 - 9.0% of mass 198	2193	7.5		Pass
275	10.0 - 30.0% of mass 198	8671	29.8		Pass
365	1.0 - 100.0% of mass 198	2458	8.4		Pass
441	Present, but less than mass 443	3670	12.6	(79.2) [b]	Pass
442	40.0 - 100.0% of mass 198	22985	79.0		Pass
443	17.0 - 23.0% of mass 442	4634	15.9	(20.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF2402-ICC2402	F44505.D	08/16/04	14:06	00:15	Initial cal 50
EF2402-IC2402	F44506.D	08/16/04	14:44	00:53	Initial cal 100
EF2402-IC2402	F44510.D	08/16/04	15:23	01:32	Initial cal 5
EF2402-IC2402	F44511.D	08/16/04	15:59	02:08	Initial cal 2
EF2402-IC2402	F44507.D	08/16/04	16:36	02:45	Initial cal 80
EF2402-IC2402	F44508.D	08/16/04	18:24	04:33	Initial cal 25
EF2402-IC2402	F44509.D	08/16/04	19:01	05:10	Initial cal 10
EF2402-IC2402	F44513.D	08/16/04	20:13	06:22	Initial cal 50
EF2402-IC2402	F44514.D	08/16/04	20:49	06:58	Initial cal 100
EF2402-IC2402	F44515.D	08/16/04	21:25	07:34	Initial cal 80
EF2402-IC2402	F44516.D	08/16/04	22:01	08:10	Initial cal 25
EF2402-IC2402	F44517.D	08/16/04	22:37	08:46	Initial cal 10
EF2402-IC2402	F44518.D	08/16/04	23:13	09:22	Initial cal 5
EF2402-IC2402	F44519.D	08/16/04	23:49	09:58	Initial cal 2
ZZZZZZ	F44520.D	08/17/04	00:25	10:34	(unrelated sample)
ZZZZZZ	F44521.D	08/17/04	01:01	11:10	(unrelated sample)
OP17679-MB1	F44522.D	08/17/04	01:36	11:45	Method Blank

Instrument Performance Check (DFTPP)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample:	EF2404-DFTPP	**Injection Date:**	08/18/04
Lab File ID:	F44550.D	**Injection Time:**	08:45
Instrument ID:	GCMSF		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	19522	34.7		Pass
68	Less than 2.0% of mass 69	266	0.47	(1.0) [a]	Pass
69	Mass 69 relative abundance	26456	47.1		Pass
70	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
127	40.0 - 60.0% of mass 198	27432	48.8		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	56216	100.0		Pass
199	5.0 - 9.0% of mass 198	3782	6.7		Pass
275	10.0 - 30.0% of mass 198	16863	30.0		Pass
365	1.0 - 100.0% of mass 198	4802	8.5		Pass
441	Present, but less than mass 443	6842	12.2	(87.4) [b]	Pass
442	40.0 - 100.0% of mass 198	44386	79.0		Pass
443	17.0 - 23.0% of mass 442	7828	13.9	(17.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF2404-CC2402	F44551.D	08/18/04	09:10	00:25	Continuing cal 25
EF2404-CC2402	F44552.D	08/18/04	09:46	01:01	Continuing cal 50
OP17687-MB1	F44553.D	08/18/04	10:22	01:37	Method Blank
OP17702-MB1	F44554.D	08/18/04	10:58	02:13	Method Blank
OP17702-BS1	F44555.D	08/18/04	11:35	02:50	Blank Spike
N74914-1	F44556.D	08/18/04	12:11	03:26	RW0804-4553-UZZLERD
N74914-2	F44557.D	08/18/04	12:47	04:02	RW0804-HESTERFARM
N74914-3	F44558.D	08/18/04	13:24	04:39	RW0804-4535-UZZLERD
N74914-4	F44559.D	08/18/04	14:01	05:16	RW0804-4578-UZZLERD
N74914-5	F44560.D	08/18/04	14:37	05:52	RW0804-627B-ENONRD
N74914-6	F44561.D	08/18/04	15:13	06:28	RW0804-4573-UZZLERD
N74914-7	F44562.D	08/18/04	15:50	07:05	RW0804-FIELDDUP2
N74914-9	F44563.D	08/18/04	16:26	07:41	RW0804-6305-ISHAMCHAMBERS
N74914-10	F44564.D	08/18/04	17:03	08:18	RW0804-4710-MORIAHRD
N74914-11	F44565.D	08/18/04	17:39	08:54	RW0804-4709-MORIAHRD
N74914-12	F44566.D	08/18/04	18:16	09:31	RW0804-5057-CLAYTONRD
N74914-13	F44567.D	08/18/04	18:52	10:07	RW0804-2202-TILLEYFARMRD
N74914-14	F44568.D	08/18/04	19:28	10:43	RW0804-564-BETHANYCHURCH
N74914-15	F44569.D	08/18/04	20:05	11:20	RW0804-FIELDDUP3

Instrument Performance Check (DFTPP)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2404-DFTPP
Lab File ID: F44550.D
Instrument ID: GCMSF
Injection Date: 08/18/04
Injection Time: 08:45

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP17679-MB4	F44570.D	08/18/04	21:09	12:24	Method Blank
OP17679-BS4	F44571.D	08/18/04	21:46	13:01	Blank Spike
OP17679-MB2	F44574.D	08/18/04	22:22	13:37	Method Blank
ZZZZZZ	F44575.D	08/18/04	22:58	14:13	(unrelated sample)
ZZZZZZ	F44572.D	08/18/04	23:34	14:49	(unrelated sample)
ZZZZZZ	F44573.D	08/19/04	00:10	15:25	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2405-DFTPP
Lab File ID: F44576.D
Instrument ID: GCMSF
Injection Date: 08/19/04
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	20676	41.2		Pass
68	Less than 2.0% of mass 69	130	0.26	(0.54) [a]	Pass
69	Mass 69 relative abundance	24037	47.8		Pass
70	Less than 2.0% of mass 69	222	0.44	(0.92) [a]	Pass
127	40.0 - 60.0% of mass 198	25005	49.8		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	50242	100.0		Pass
199	5.0 - 9.0% of mass 198	3654	7.3		Pass
275	10.0 - 30.0% of mass 198	14384	28.6		Pass
365	1.0 - 100.0% of mass 198	4393	8.7		Pass
441	Present, but less than mass 443	6713	13.4	(75.9) [b]	Pass
442	40.0 - 100.0% of mass 198	40744	81.1		Pass
443	17.0 - 23.0% of mass 442	8848	17.6	(21.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF2405-CC2402	F44577.D	08/19/04	09:03	00:15	Continuing cal 50
EF2405-CC2402	F44578.D	08/19/04	09:39	00:51	Continuing cal 50
OP17702-MS	F44579.D	08/19/04	10:15	01:27	Matrix Spike
OP17702-MSD	F44580.D	08/19/04	10:52	02:04	Matrix Spike Duplicate
OP17679-MS	F44581.D	08/19/04	11:28	02:40	Matrix Spike
OP17679-MSD	F44582.D	08/19/04	12:05	03:17	Matrix Spike Duplicate
OP17755-MB1	F44583.D	08/19/04	12:41	03:53	Method Blank
ZZZZZZ	F44584.D	08/19/04	13:18	04:30	(unrelated sample)
ZZZZZZ	F44585.D	08/19/04	13:54	05:06	(unrelated sample)
ZZZZZZ	F44586.D	08/19/04	14:31	05:43	(unrelated sample)
ZZZZZZ	F44587.D	08/19/04	15:08	06:20	(unrelated sample)
ZZZZZZ	F44588.D	08/19/04	15:44	06:56	(unrelated sample)
ZZZZZZ	F44589.D	08/19/04	16:21	07:33	(unrelated sample)
ZZZZZZ	F44590.D	08/19/04	16:58	08:10	(unrelated sample)
OP17693-MSD	F44592.D	08/19/04	18:11	09:23	Matrix Spike Duplicate
ZZZZZZ	F44593.D	08/19/04	18:48	10:00	(unrelated sample)
ZZZZZZ	F44594.D	08/19/04	19:25	10:37	(unrelated sample)
ZZZZZZ	F44595.D	08/19/04	20:01	11:13	(unrelated sample)
OP17752-MB1	F44596.D	08/19/04	21:15	12:27	Method Blank

Instrument Performance Check (DFTPP)

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample:	EF2405-DFTPP	**Injection Date:**	08/19/04
Lab File ID:	F44576.D	**Injection Time:**	08:48
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	F44597.D	08/19/04	21:52	13:04	(unrelated sample)
ZZZZZZ	F44598.D	08/19/04	22:29	13:41	(unrelated sample)

Semivolatile Internal Standard Area Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Check Std:	EF2404-CC2402	**Injection Date:**	08/18/04
Lab File ID:	F44551.D	**Injection Time:**	09:10
Instrument ID:	GCMSF	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	45008	6.22	167966	8.84	105045	12.91	204780	16.37	263403	21.93	179212	24.24
Upper Limit [a]	90016	6.72	335932	9.34	210090	13.41	409560	16.87	526806	22.43	358424	24.74
Lower Limit [b]	22504	5.72	83983	8.34	52523	12.41	102390	15.87	131702	21.43	89606	23.74

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP17687-MB1	46811	6.22	174308	8.84	108743	12.91	210037	16.37	282548	21.93	199626	24.23
OP17702-MB1	46066	6.22	169765	8.83	106676	12.90	208470	16.37	282896	21.93	202113	24.23
OP17702-BS1	37791	6.22	145313	8.83	91477	12.91	189177	16.37	256192	21.93	168752	24.23
N74914-1	40913	6.22	150806	8.83	92811	12.90	181794	16.37	231614	21.93	163208	24.23
N74914-2	49936	6.22	184393	8.84	110502	12.91	217195	16.37	284013	21.92	194696	24.24
N74914-3	36607	6.22	135320	8.84	82162	12.91	159015	16.37	205179	21.92	145647	24.23
N74914-4	41472	6.22	158697	8.84	100654	12.91	192679	16.37	256711	21.92	183074	24.23
N74914-5	33671	6.22	129715	8.83	79594	12.91	153899	16.37	201651	21.92	140330	24.24
N74914-6	41760	6.22	165325	8.84	105570	12.91	204292	16.37	260452	21.93	185712	24.24
N74914-7	43590	6.22	159773	8.84	98454	12.91	194479	16.37	253798	21.92	180997	24.24
N74914-9	39849	6.22	155503	8.84	95778	12.91	186079	16.37	244450	21.92	172764	24.24
N74914-10	42344	6.22	160830	8.84	98884	12.91	191980	16.37	251496	21.92	179272	24.24
N74914-11	41401	6.22	159913	8.84	101712	12.91	196997	16.37	255003	21.92	182061	24.24
N74914-12	31953	6.22	123829	8.83	76347	12.91	149530	16.37	195093	21.92	137806	24.23
N74914-13	41596	6.22	157552	8.83	96163	12.91	189682	16.37	253533	21.92	177856	24.23
N74914-14	33806	6.22	126145	8.83	77219	12.91	153050	16.37	199919	21.92	139782	24.23
N74914-15	44085	6.22	160368	8.84	100077	12.91	194068	16.37	250054	21.92	178250	24.23
OP17679-MB4	42679	6.22	155067	8.84	94727	12.91	184554	16.37	248342	21.92	174032	24.23
OP17679-BS4	36500	6.22	138296	8.84	88585	12.91	185397	16.37	246374	21.92	164742	24.23
OP17679-MB2	45937	6.22	173187	8.84	108920	12.91	210683	16.37	277998	21.92	192055	24.23
ZZZZZZ	32299	6.22	120912	8.84	78117	12.91	150664	16.37	199144	21.92	141311	24.23
ZZZZZZ	49682	6.22	172836	8.84	106617	12.91	208940	16.37	271142	21.92	198871	24.23
ZZZZZZ	48556	6.22	189084	8.84	112904	12.91	224454	16.37	293890	21.92	209045	24.23

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Check Std:	EF2405-CC2402	**Injection Date:**	08/19/04
Lab File ID:	F44577.D	**Injection Time:**	09:03
Instrument ID:	GCMSF	**Method:**	SW846 8270C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	56418	6.21	204843	8.83	129910	12.91	270243	16.37	352246	21.93	229480	24.24
Upper Limit [a]	112836	6.71	409686	9.33	259820	13.41	540486	16.87	704492	22.43	458960	24.74
Lower Limit [b]	28209	5.71	102422	8.33	64955	12.41	135122	15.87	176123	21.43	114740	23.74

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP17702-MS	50097	6.22	189163	8.84	118668	12.91	246259	16.37	330029	21.92	215491	24.23
OP17702-MSD	65112	6.21	248837	8.83	150788	12.91	316728	16.37	417368	21.93	275314	24.24
OP17679-MS	43102	6.21	162681	8.83	98420	12.90	208399	16.37	269698	21.93	173597	24.23
OP17679-MSD	47632	6.21	191285	8.83	115287	12.91	248605	16.37	324484	21.92	210185	24.24
OP17755-MB1	56016	6.22	210819	8.83	128362	12.91	246480	16.37	315841	21.92	218976	24.24
ZZZZZZ	54235	6.21	200755	8.83	124038	12.90	243074	16.37	316009	21.93	238630	24.24
ZZZZZZ	42006	6.22	152627	8.83	95311	12.91	172107	16.37	202221	21.92	131904	24.23
ZZZZZZ	40084	6.22	150350	8.83	93193	12.91	184362	16.37	232839	21.92	159578	24.23
ZZZZZZ	66023	6.22	274844	8.84	380352*	12.92	378024	16.39	405057	21.94	281172	24.24
ZZZZZZ	55996	6.22	216897	8.83	136778	12.91	255640	16.37	344752	21.93	249119	24.24
ZZZZZZ	60518	6.22	240317	8.84	147628	12.91	291169	16.37	354286	21.92	264512	24.23
ZZZZZZ	74447	6.22	290492	8.83	180862	12.91	357023	16.37	464555	21.92	329735	24.24
OP17693-MSD	43803	6.22	175880	8.84	232819	12.91	242694	16.37	295680	21.93	203428	24.24
ZZZZZZ	48329	6.22	183747	8.84	111263	12.91	215239	16.37	269512	21.93	194943	24.24
ZZZZZZ	45643	6.22	174774	8.83	109244	12.91	206328	16.37	270964	21.93	200641	24.24
ZZZZZZ	55461	6.22	218886	8.84	146468	12.92	327850	16.40	568357	21.96	445279	24.28
OP17752-MB1	65211	6.22	237895	8.84	145659	12.91	281402	16.37	329114	21.93	246514	24.24
ZZZZZZ	59372	6.22	215071	8.84	134908	12.91	259036	16.37	312737	21.93	229269	24.24
ZZZZZZ	61655	6.21	231905	8.84	144012	12.91	277026	16.37	330369	21.92	238419	24.24

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44556.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-88%
4165-62-2	Phenol-d5	25%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	78%		45-134%
4165-60-0	Nitrobenzene-d5	68%		32-128%
321-60-8	2-Fluorobiphenyl	69%		34-121%
1718-51-0	Terphenyl-d14	95%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44556.D Vial: 7
Acq On : 18 Aug 2004 12:11 pm Operator: NINAP
Sample : N74914-1 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:39:27 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	40913	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	150806	40.00 ppb	-0.02
48) Acenaphthene-d10	12.90	164	92811	40.00 ppb	-0.02
70) Phenanthrene-d10	16.37	188	181794	40.00 ppb	-0.02
85) Chrysene-d12	21.93	240	231614	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	163208	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	40913	40.00 ppb	0.00
108) Acenaphthene-d10A	12.90	164	92811	40.00 ppb	-0.02
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	23871	20.76 ppb	0.00
Spiked Amount 50.000			Recovery =	41.52%	
8) Phenol-d5	5.71	99	19117	12.25 ppb	0.00
Spiked Amount 50.000			Recovery =	24.50%	
26) Nitrobenzene-d5	7.37	82	64059	33.81 ppb	0.00
Spiked Amount 50.000			Recovery =	67.62%	
52) 2-Fluorobiphenyl	11.40	172	121368	34.70 ppb	-0.01
Spiked Amount 50.000			Recovery =	69.40%	
75) 2,4,6-Tribromophenol	14.81	330	21280	38.99 ppb	-0.02
Spiked Amount 50.000			Recovery =	77.98%	
88) Terphenyl-d14	20.04	244	230504	47.43 ppb	-0.01
Spiked Amount 50.000			Recovery =	94.86%	

Target Compounds Qvalue

08/18/04

453

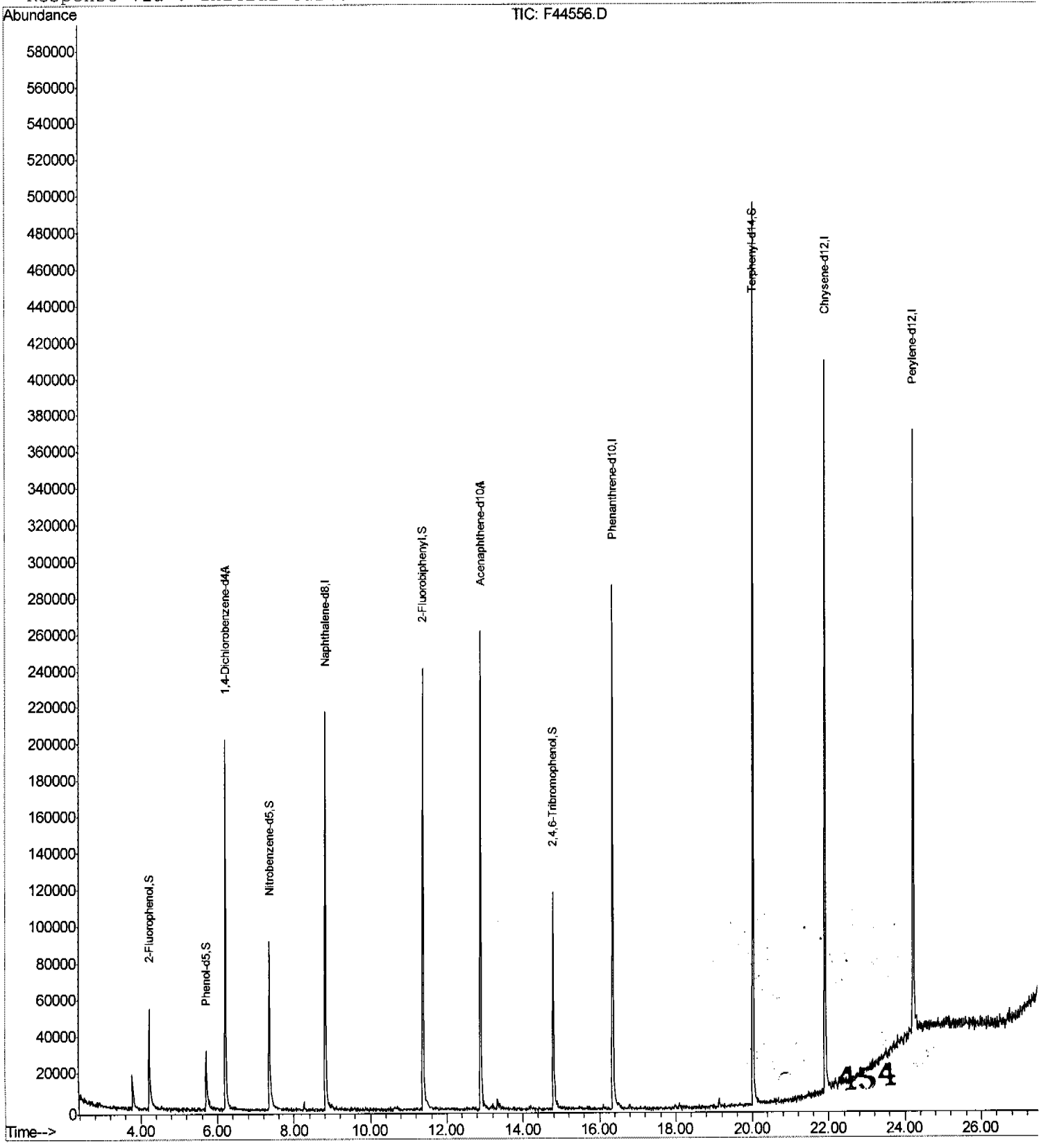
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44556.D
Acq On : 18 Aug 2004 12:11 pm
Sample : N74914-1
Misc : OP17702,EF2404,980
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:42 2004

Vial: 7
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44557.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	ug/l	

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

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		10-88%
4165-62-2	Phenol-d5	29%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		45-134%
4165-60-0	Nitrobenzene-d5	76%		32-128%
321-60-8	2-Fluorobiphenyl	81%		34-121%
1718-51-0	Terphenyl-d14	90%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44557.D Vial: 8
Acq On : 18 Aug 2004 12:47 pm Operator: NINAP
Sample : N74914-2 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 13:15:46 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	49936	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	184393	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	110502	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	217195	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	284013	40.00 ppb	-0.02
95) Perylene-d12	24.24	264	194696	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	49936	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	110502	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.22	112	36363	25.90 ppb	-0.01
Spiked Amount 50.000			Recovery = 51.80%		
8) Phenol-d5	5.71	99	27135	14.25 ppb	0.00
Spiked Amount 50.000			Recovery = 28.50%		
26) Nitrobenzene-d5	7.37	82	88499	38.20 ppb	0.00
Spiked Amount 50.000			Recovery = 76.40%		
52) 2-Fluorobiphenyl	11.40	172	168398	40.44 ppb	-0.01
Spiked Amount 50.000			Recovery = 80.88%		
75) 2,4,6-Tribromophenol	14.81	330	28756	44.10 ppb	-0.01
Spiked Amount 50.000			Recovery = 88.20%		
88) Terphenyl-d14	20.04	244	268439	45.05 ppb	-0.01
Spiked Amount 50.000			Recovery = 90.10%		

Target Compounds Qvalue

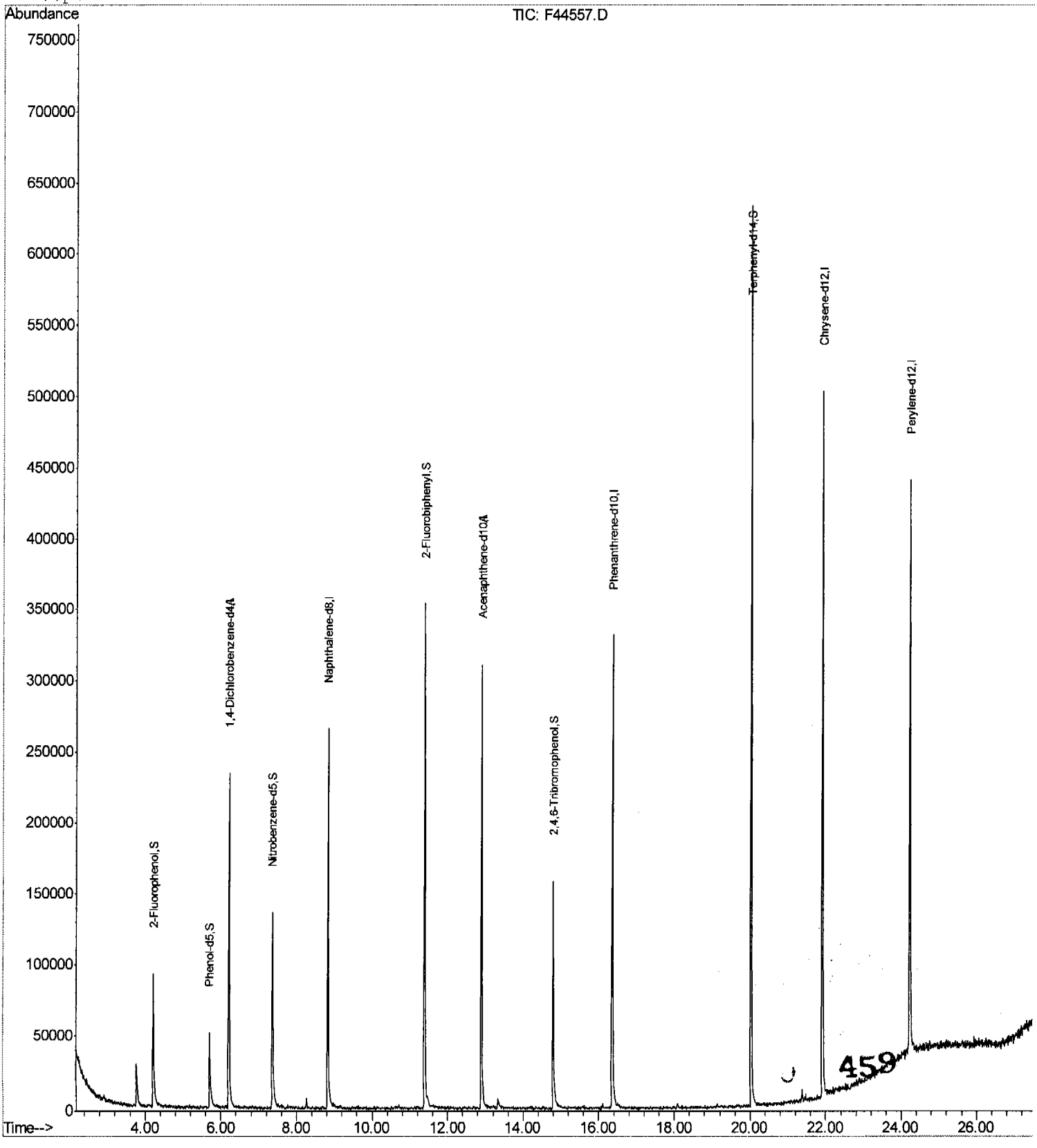
08/18/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44557.D Vial: 8
Acq On : 18 Aug 2004 12:47 pm Operator: NINAP
Sample : N74914-2 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 13:44 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44558.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-88%
4165-62-2	Phenol-d5	25%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	69%		45-134%
4165-60-0	Nitrobenzene-d5	64%		32-128%
321-60-8	2-Fluorobiphenyl	69%		34-121%
1718-51-0	Terphenyl-d14	73%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44558.D Vial: 9
Acq On : 18 Aug 2004 1:24 pm Operator: NINAP
Sample : N74914-3 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 13:52:17 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	36607	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	135320	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	82162	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	159015	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	205179	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	145647	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	36607	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	82162	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	22056	21.43 ppb	0.00
Spiked Amount 50.000			Recovery = 42.86%		
8) Phenol-d5	5.72	99	17589	12.60 ppb	0.00
Spiked Amount 50.000			Recovery = 25.20%		
26) Nitrobenzene-d5	7.37	82	54772	32.21 ppb	0.00
Spiked Amount 50.000			Recovery = 64.42%		
52) 2-Fluorobiphenyl	11.40	172	106490	34.40 ppb	-0.01
Spiked Amount 50.000			Recovery = 68.80%		
75) 2,4,6-Tribromophenol	14.81	330	16584	34.74 ppb	-0.01
Spiked Amount 50.000			Recovery = 69.48%		
88) Terphenyl-d14	20.04	244	156655	36.39 ppb	-0.01
Spiked Amount 50.000			Recovery = 72.78%		

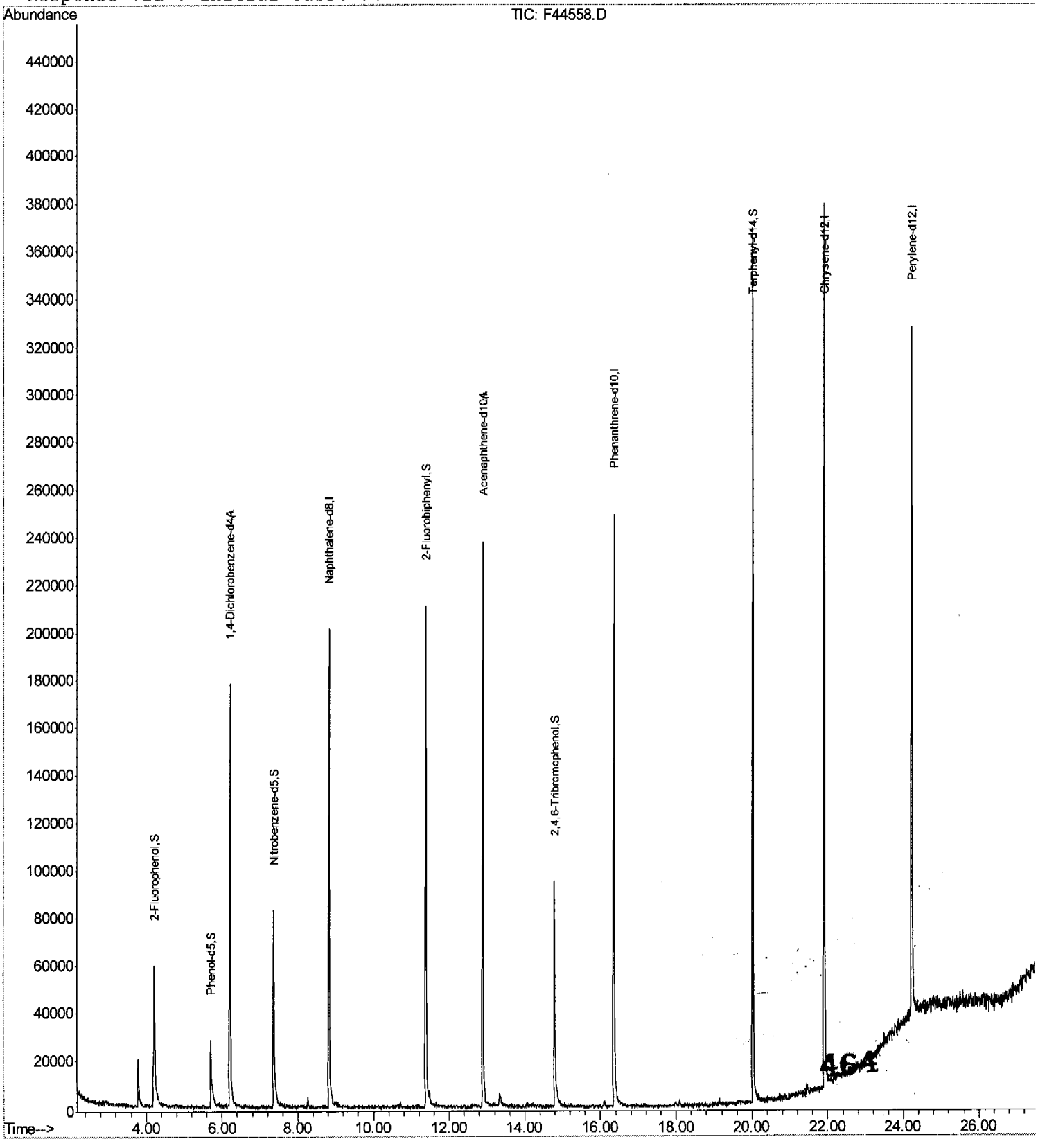
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44558.D Vial: 9
Acq On : 18 Aug 2004 1:24 pm Operator: NINAP
Sample : N74914-3 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:02 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



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Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44559.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

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

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	4.7	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.73	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.65	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.72	ug/l	
	3&4-Methylphenol	ND	5.0	0.70	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.73	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.0	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	0.74	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.80	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.0	0.53	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.0	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.27	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.38	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.37	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.37	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.54	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.54	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.43	ug/l	
86-74-8	Carbazole	ND	2.0	0.34	ug/l	
105-60-2	Caprolactam	ND	2.0	0.44	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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.26	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.78	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.62	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.39	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.58	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.49	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.79	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.63	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.4	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.58	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.74	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.63	ug/l	
86-73-7	Fluorene	ND	2.0	0.89	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.41	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.45	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.67	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.5	ug/l	
78-59-1	Isophorone	ND	2.0	0.54	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.72	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.61	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.50	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.80	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.23	ug/l	
129-00-0	Pyrene	ND	2.0	0.58	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.0	0.63	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		10-88%
4165-62-2	Phenol-d5	29%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		45-134%
4165-60-0	Nitrobenzene-d5	78%		32-128%
321-60-8	2-Fluorobiphenyl	79%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44559.D Vial: 10
Acq On : 18 Aug 2004 2:01 pm Operator: NINAP
Sample : N74914-4 Inst : MSF
Misc : OP17702,EF2404,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 14:28:51 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	41472	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	158697	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	100654	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	192679	40.00 ppb	-0.01
85) Chrysene-d12	21.92	240	256711	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	183074	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	41472	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	100654	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	29960	25.70 ppb	0.00
Spiked Amount 50.000			Recovery = 51.40%		
8) Phenol-d5	5.71	99	23228	14.69 ppb	-0.01
Spiked Amount 50.000			Recovery = 29.38%		
26) Nitrobenzene-d5	7.37	82	77895	39.06 ppb	-0.01
Spiked Amount 50.000			Recovery = 78.12%		
52) 2-Fluorobiphenyl	11.40	172	149203	39.34 ppb	-0.01
Spiked Amount 50.000			Recovery = 78.68%		
75) 2,4,6-Tribromophenol	14.81	330	25442	43.98 ppb	-0.01
Spiked Amount 50.000			Recovery = 87.96%		
88) Terphenyl-d14	20.04	244	246439	45.75 ppb	-0.01
Spiked Amount 50.000			Recovery = 91.50%		

Target Compounds Qvalue

08/18/04

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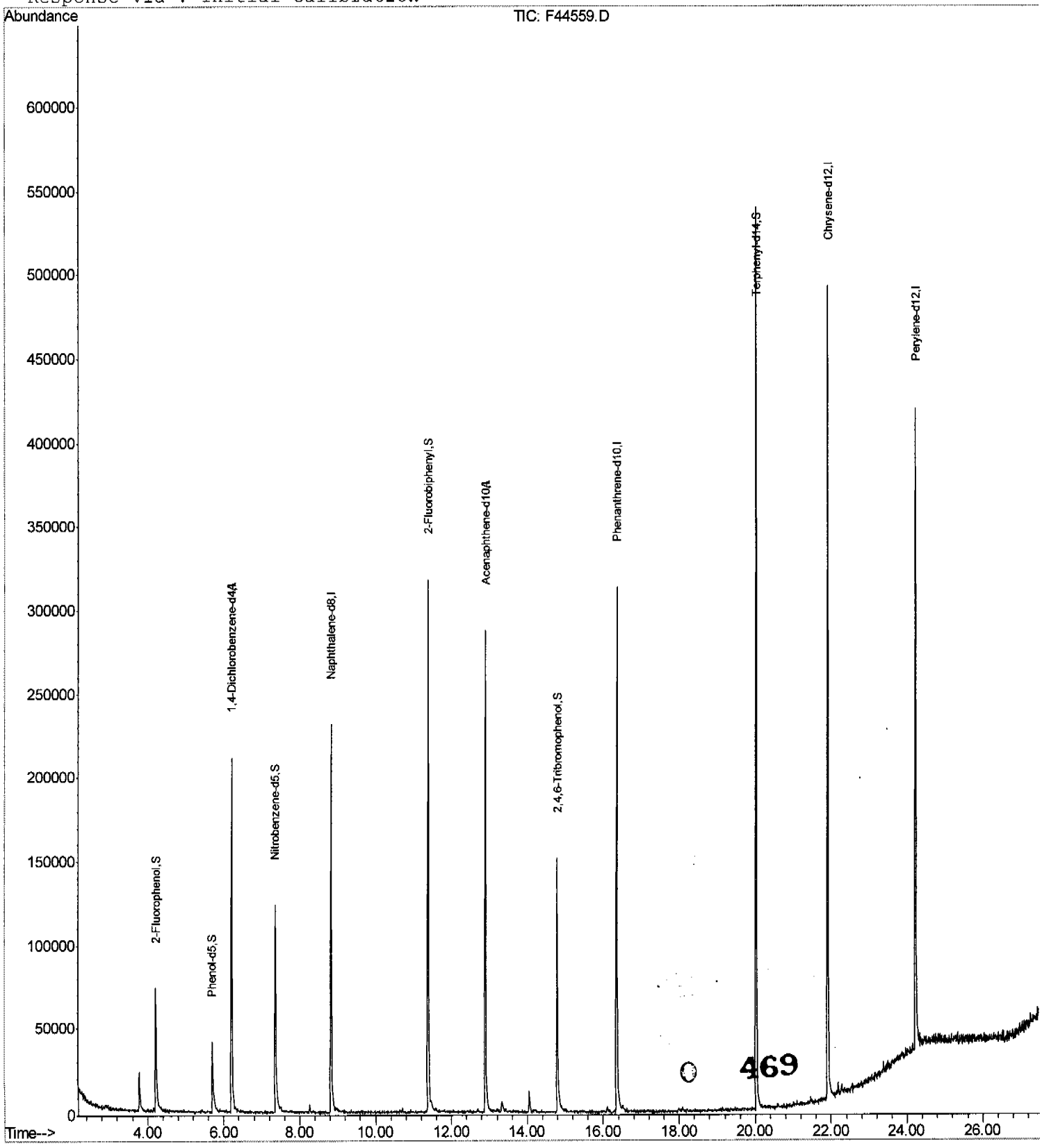
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44559.D Vial: 10
Acq On : 18 Aug 2004 2:01 pm Operator: NINAP
Sample : N74914-4 Inst : MSF
Misc : OP17702,EF2404,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:03 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44560.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	91%		45-134%
4165-60-0	Nitrobenzene-d5	82%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	95%		41-129%

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

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44560.D Vial: 11
Acq On : 18 Aug 2004 2:37 pm Operator: NINAP
Sample : N74914-5 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:05:29 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	33671	40.00	ppb	-0.01
25) Naphthalene-d8	8.83	136	129715	40.00	ppb	-0.02
48) Acenaphthene-d10	12.91	164	79594	40.00	ppb	-0.01
70) Phenanthrene-d10	16.37	188	153899	40.00	ppb	-0.01
85) Chrysene-d12	21.92	240	201651	40.00	ppb	-0.02
95) Perylene-d12	24.24	264	140330	40.00	ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	33671	40.00	ppb	-0.01
108) Acenaphthene-d10A	12.91	164	79594	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.23	112	25418	26.85	ppb	0.00
Spiked Amount 50.000			Recovery = 53.70%			
8) Phenol-d5	5.71	99	22334	17.39	ppb	0.00
Spiked Amount 50.000			Recovery = 34.78%			
26) Nitrobenzene-d5	7.37	82	66880	41.03	ppb	0.00
Spiked Amount 50.000			Recovery = 82.06%			
52) 2-Fluorobiphenyl	11.40	172	124697	41.58	ppb	-0.01
Spiked Amount 50.000			Recovery = 83.16%			
75) 2,4,6-Tribromophenol	14.81	330	20967	45.38	ppb	-0.01
Spiked Amount 50.000			Recovery = 90.76%			
88) Terphenyl-d14	20.04	244	200985	47.50	ppb	-0.01
Spiked Amount 50.000			Recovery = 95.00%			

Target Compounds Qvalue

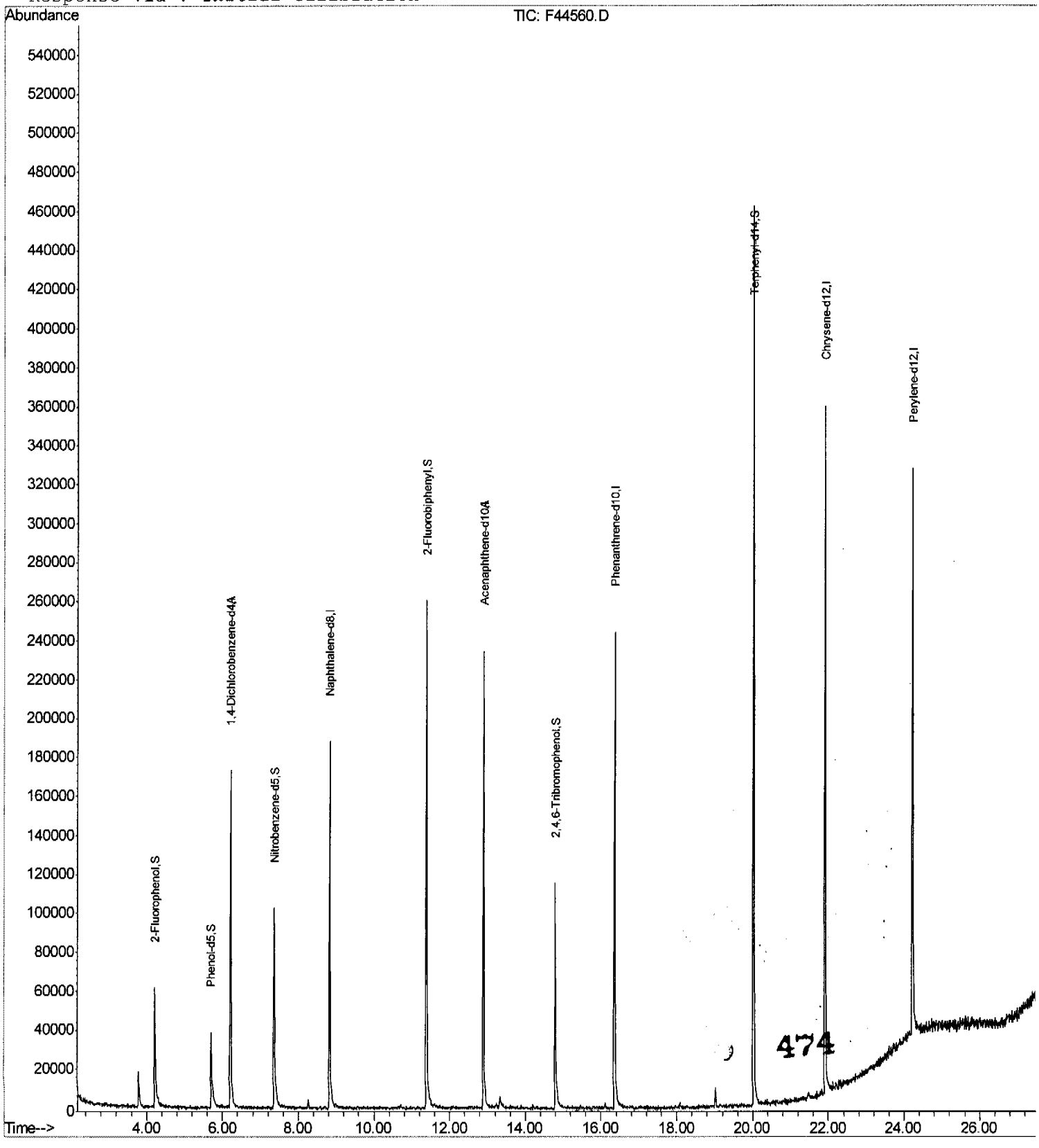
08/18/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44560.D Vial: 11
Acq On : 18 Aug 2004 2:37 pm Operator: NINAP
Sample : N74914-5 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:06 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44561.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	4.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	4.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	0.76	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.2	0.75	ug/l	
	3&4-Methylphenol	ND	5.2	0.73	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.76	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.3	ug/l	
108-95-2	Phenol	ND	5.2	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.83	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.36	ug/l	
98-86-2	Acetophenone	ND	5.2	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.2	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.2	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.56	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.56	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.44	ug/l	
86-74-8	Carbazole	ND	2.1	0.35	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	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

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.81	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.82	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.60	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.66	ug/l	
86-73-7	Fluorene	ND	2.1	0.93	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.43	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.69	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.56	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.75	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.83	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.24	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.2	0.65	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	93%		45-134%
4165-60-0	Nitrobenzene-d5	85%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	97%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44561.D Vial: 12
Acq On : 18 Aug 2004 3:13 pm Operator: NINAP
Sample : N74914-6 Inst : MSF
Misc : OP17702,EF2404,960 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:41:31 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	41760	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	165325	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	105570	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	204292	40.00 ppb	-0.01
85) Chrysene-d12	21.93	240	260452	40.00 ppb	-0.01
95) Perylene-d12	24.24	264	185712	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	41760	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	105570	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	33239	28.31 ppb	0.00
Spiked Amount 50.000			Recovery = 56.62%		
8) Phenol-d5	5.71	99	27759	17.43 ppb	0.00
Spiked Amount 50.000			Recovery = 34.86%		
26) Nitrobenzene-d5	7.37	82	87985	42.35 ppb	-0.01
Spiked Amount 50.000			Recovery = 84.70%		
52) 2-Fluorobiphenyl	11.40	172	163334	41.06 ppb	-0.01
Spiked Amount 50.000			Recovery = 82.12%		
75) 2,4,6-Tribromophenol	14.81	330	28536	46.53 ppb	-0.01
Spiked Amount 50.000			Recovery = 93.06%		
88) Terphenyl-d14	20.04	244	264278	48.36 ppb	-0.01
Spiked Amount 50.000			Recovery = 96.72%		

Target Compounds Qvalue

NL 08/18/04

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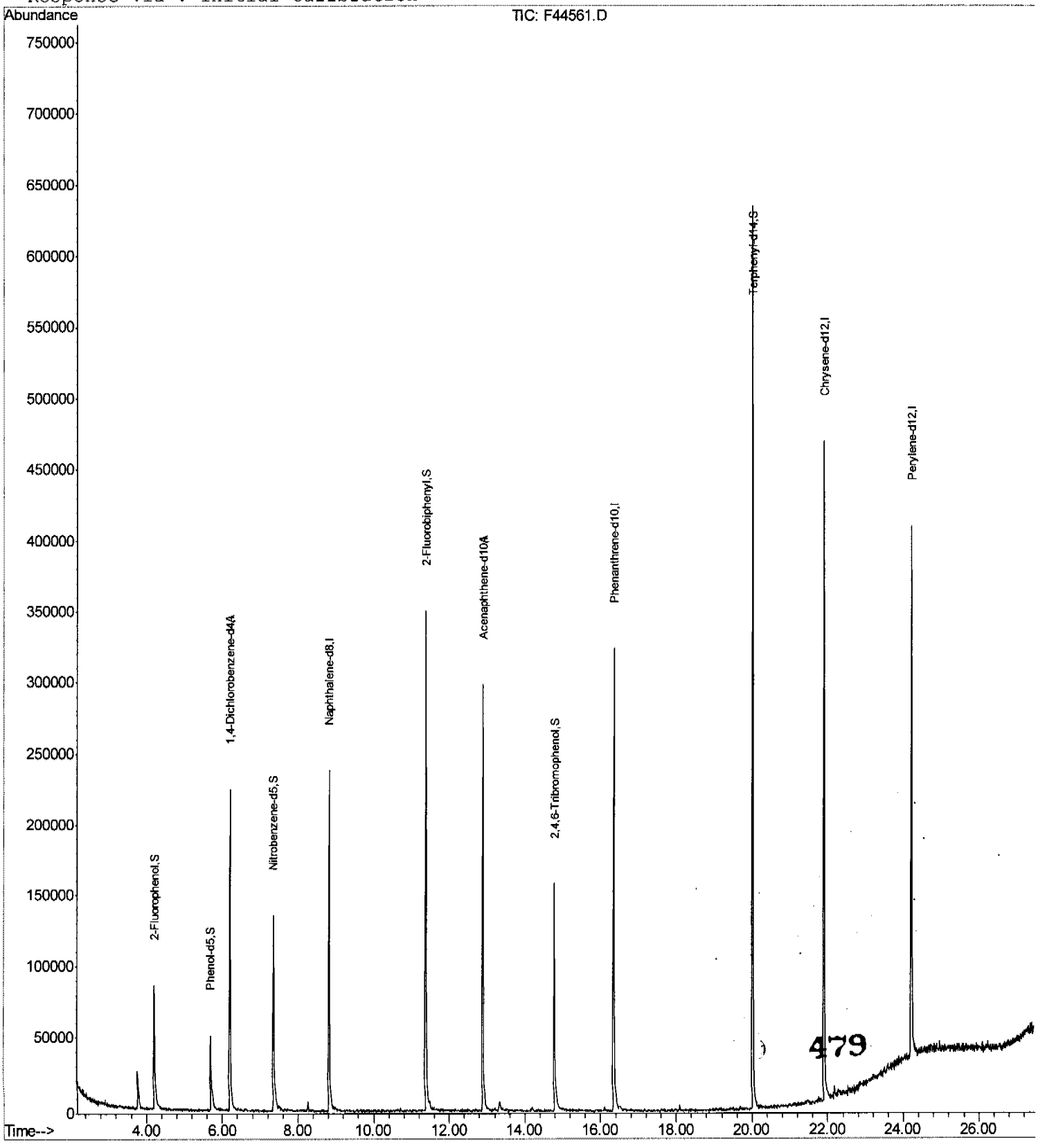
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44561.D Vial: 12
Acq On : 18 Aug 2004 3:13 pm Operator: NINAP
Sample : N74914-6 Inst : MSF
Misc : OP17702,EF2404,960 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 15:44 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



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Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44562.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	4.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	4.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	0.74	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.66	ug/l	
95-48-7	2-Methylphenol	ND	5.1	0.74	ug/l	
	3&4-Methylphenol	ND	5.1	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	20	2.3	ug/l	
108-95-2	Phenol	ND	5.1	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	0.76	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.0	0.35	ug/l	
98-86-2	Acetophenone	ND	5.1	0.54	ug/l	
120-12-7	Anthracene	ND	2.0	0.22	ug/l	
1912-24-9	Atrazine	ND	5.1	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.0	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.0	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.0	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.1	0.38	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.44	ug/l	
86-74-8	Carbazole	ND	2.0	0.35	ug/l	
105-60-2	Caprolactam	ND	2.0	0.45	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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.0	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.49	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.79	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.63	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.1	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.59	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.50	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.80	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.64	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.75	ug/l	
206-44-0	Fluoranthene	ND	2.0	0.65	ug/l	
86-73-7	Fluorene	ND	2.0	0.91	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.1	0.68	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	1.6	ug/l	
78-59-1	Isophorone	ND	2.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.2	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.1	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.62	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.51	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.81	ug/l	
85-01-8	Phenanthrene	ND	2.0	0.24	ug/l	
129-00-0	Pyrene	ND	2.0	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.1	0.64	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-88%
4165-62-2	Phenol-d5	30%		10-71%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value

RL = Reporting Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	82%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	94%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44562.D Vial: 13
Acq On : 18 Aug 2004 3:50 pm Operator: NINAP
Sample : N74914-7 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 16:17:57 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	43590	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	159773	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	98454	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	194479	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	253798	40.00 ppb	-0.02
95) Perylene-d12	24.24	264	180997	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	43590	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	98454	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	30834	25.16 ppb	0.00
Spiked Amount 50.000			Recovery = 50.32%		
8) Phenol-d5	5.71	99	25294	15.22 ppb	0.00
Spiked Amount 50.000			Recovery = 30.44%		
26) Nitrobenzene-d5	7.37	82	82916	41.30 ppb	-0.01
Spiked Amount 50.000			Recovery = 82.60%		
52) 2-Fluorobiphenyl	11.40	172	153175	41.29 ppb	-0.01
Spiked Amount 50.000			Recovery = 82.58%		
75) 2,4,6-Tribromophenol	14.80	330	23868	40.88 ppb	-0.02
Spiked Amount 50.000			Recovery = 81.76%		
88) Terphenyl-d14	20.04	244	249730	46.90 ppb	-0.01
Spiked Amount 50.000			Recovery = 93.80%		

Target Compounds Qvalue

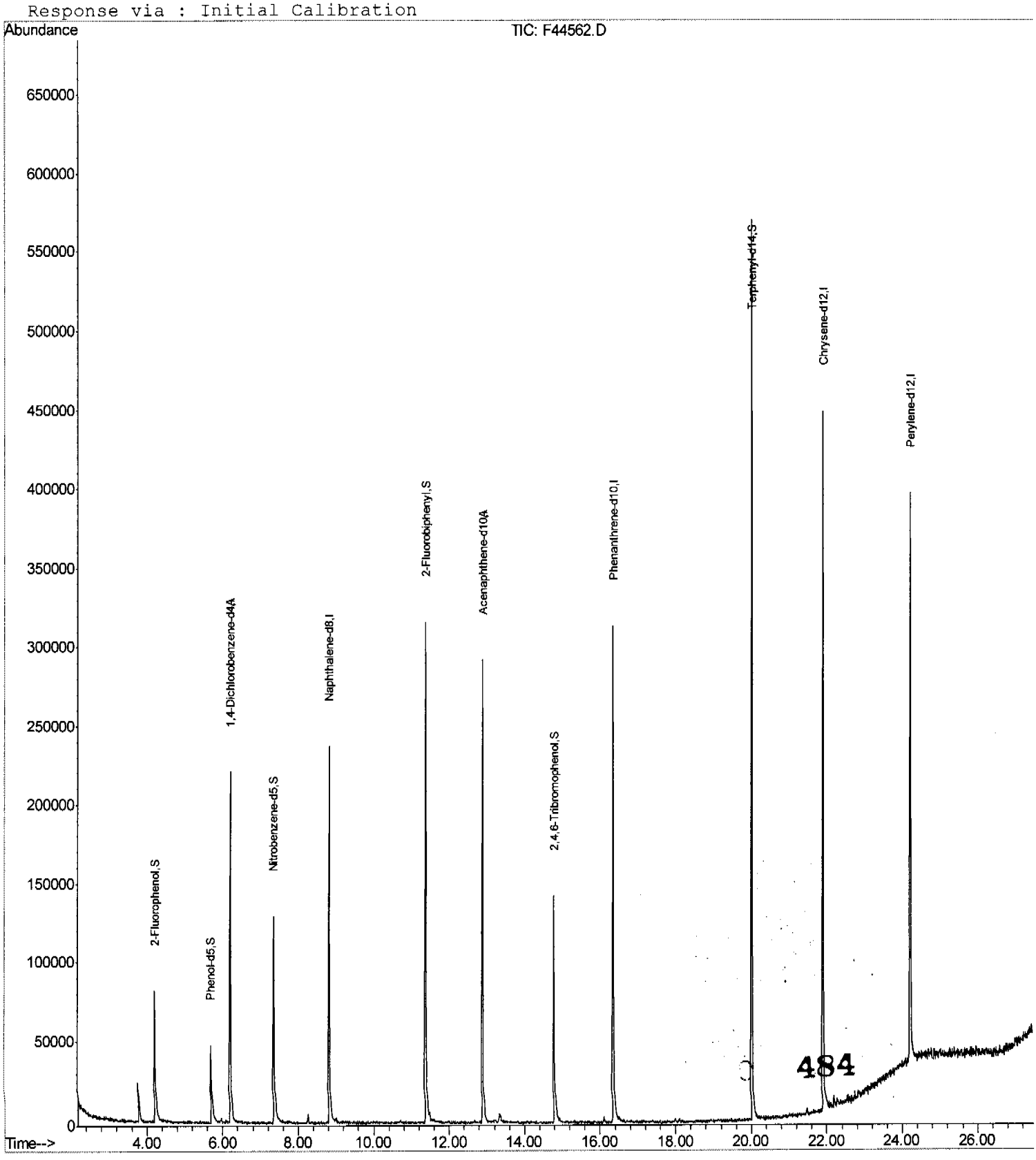
08/18/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44562.D Vial: 13
Acq On : 18 Aug 2004 3:50 pm Operator: NINAP
Sample : N74914-7 Inst : MSF
Misc : OP17702,EF2404,980 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 16:23 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44563.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	4.7	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	5.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	0.81	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.72	ug/l	
95-48-7	2-Methylphenol	ND	5.6	0.80	ug/l	
	3&4-Methylphenol	ND	5.6	0.78	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	0.81	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.5	ug/l	
108-95-2	Phenol	ND	5.6	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.6	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	0.83	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	0.89	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.33	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.39	ug/l	
98-86-2	Acetophenone	ND	5.6	0.59	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
1912-24-9	Atrazine	ND	5.6	1.7	ug/l	
100-52-7	Benzaldehyde	ND	5.6	4.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.30	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.43	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.41	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.55	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.42	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.60	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.60	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.47	ug/l	
86-74-8	Carbazole	ND	2.2	0.38	ug/l	
105-60-2	Caprolactam	ND	2.2	0.49	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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.37	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.54	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.49	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.86	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.69	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.43	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.64	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.70	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.6	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.64	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.82	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.70	ug/l	
86-73-7	Fluorene	ND	2.2	0.99	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.46	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.50	ug/l	
67-72-1	Hexachloroethane	ND	5.6	0.74	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.7	ug/l	
78-59-1	Isophorone	ND	2.2	0.60	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.80	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.68	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.56	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.88	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.26	ug/l	
129-00-0	Pyrene	ND	2.2	0.65	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.6	0.70	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		10-88%
4165-62-2	Phenol-d5	31%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	76%		32-128%
321-60-8	2-Fluorobiphenyl	76%		34-121%
1718-51-0	Terphenyl-d14	88%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44563.D Vial: 14
Acq On : 18 Aug 2004 4:26 pm Operator: NINAP
Sample : N74914-9 Inst : MSF
Misc : OP17702,EF2404,900 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 16:54:16 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	39849	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	155503	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	95778	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	186079	40.00 ppb	-0.01
85) Chrysene-d12	21.92	240	244450	40.00 ppb	-0.02
95) Perylene-d12	24.24	264	172764	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	39849	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	95778	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	29710	26.52 ppb	0.00
Spiked Amount 50.000			Recovery = 53.04%		
8) Phenol-d5	5.71	99	23717	15.61 ppb	-0.01
Spiked Amount 50.000			Recovery = 31.22%		
26) Nitrobenzene-d5	7.37	82	74646	38.20 ppb	-0.01
Spiked Amount 50.000			Recovery = 76.40%		
52) 2-Fluorobiphenyl	11.40	172	137815	38.19 ppb	-0.01
Spiked Amount 50.000			Recovery = 76.38%		
75) 2,4,6-Tribromophenol	14.80	330	23571	42.19 ppb	-0.02
Spiked Amount 50.000			Recovery = 84.38%		
88) Terphenyl-d14	20.03	244	225566	43.98 ppb	-0.02
Spiked Amount 50.000			Recovery = 87.96%		

Target Compounds Qvalue

JH 08/18/04

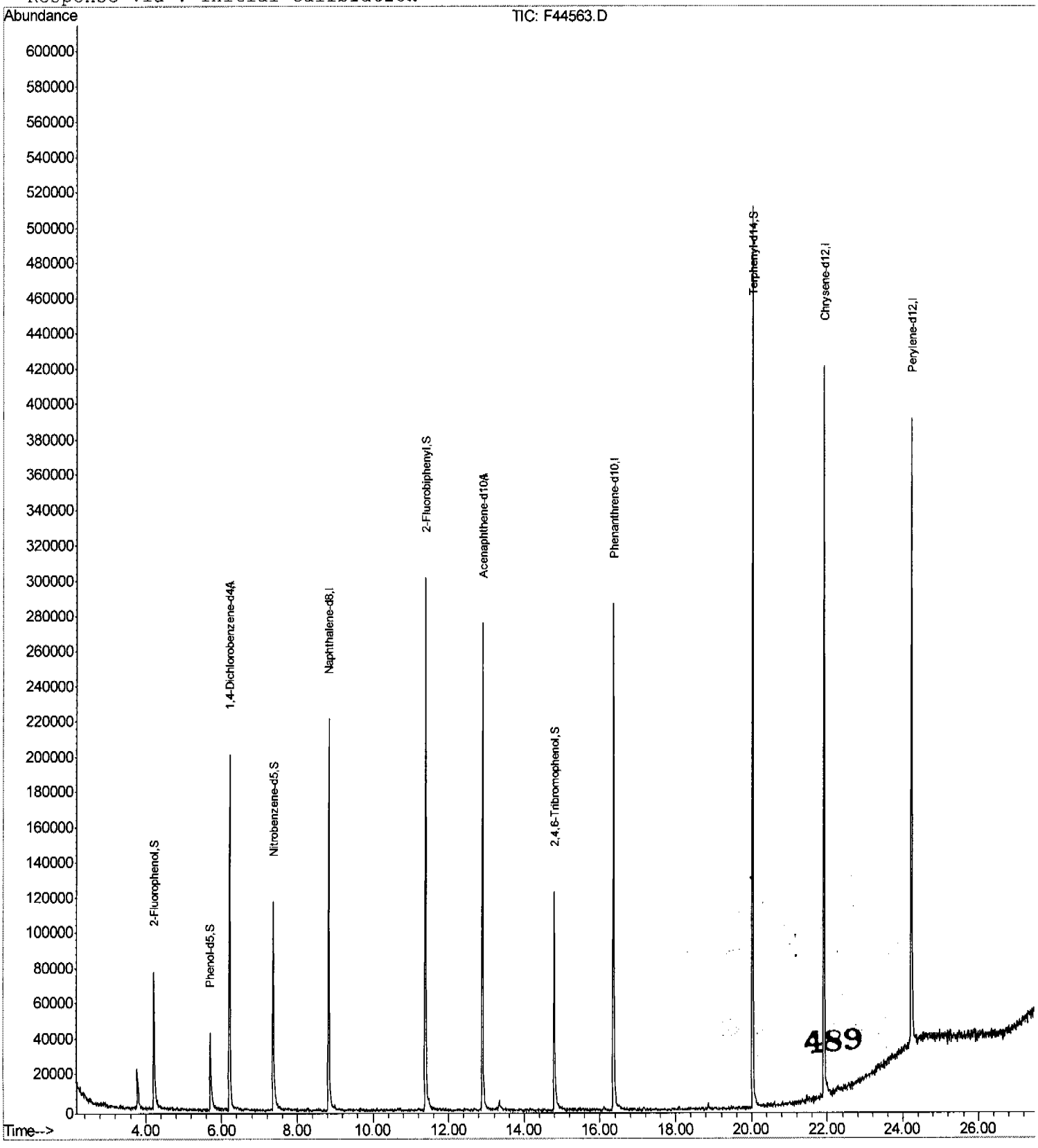
488

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44563.D Vial: 14
Acq On : 18 Aug 2004 4:26 pm Operator: NINAP
Sample : N74914-9 Inst : MSF
Misc : OP17702,EF2404,900 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 17:01 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44564.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	4.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	4.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	0.75	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.67	ug/l	
95-48-7	2-Methylphenol	ND	5.2	0.75	ug/l	
	3&4-Methylphenol	ND	5.2	0.72	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	0.75	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.3	ug/l	
108-95-2	Phenol	ND	5.2	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	0.77	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	0.82	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.30	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.36	ug/l	
98-86-2	Acetophenone	ND	5.2	0.55	ug/l	
120-12-7	Anthracene	ND	2.1	0.22	ug/l	
1912-24-9	Atrazine	ND	5.2	1.5	ug/l	
100-52-7	Benzaldehyde	ND	5.2	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.28	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.38	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.51	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.55	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.39	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.44	ug/l	
86-74-8	Carbazole	ND	2.1	0.35	ug/l	
105-60-2	Caprolactam	ND	2.1	0.45	ug/l	

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated valu

RL = Reporting Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.27	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.50	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.80	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.64	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.40	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.60	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.51	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.81	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.65	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.59	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.76	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.65	ug/l	
86-73-7	Fluorene	ND	2.1	0.92	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.43	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.46	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.69	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.56	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.74	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.0	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.63	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.52	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.82	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.24	ug/l	
129-00-0	Pyrene	ND	2.1	0.60	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.2	0.65	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-88%
4165-62-2	Phenol-d5	32%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		45-134%
4165-60-0	Nitrobenzene-d5	80%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44564.D Vial: 15
Acq On : 18 Aug 2004 5:03 pm Operator: NINAP
Sample : N74914-10 Inst : MSF
Misc : OP17702,EF2404,970 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 17:30:50 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	42344	40.00	ppb	-0.01
25) Naphthalene-d8	8.84	136	160830	40.00	ppb	-0.01
48) Acenaphthene-d10	12.91	164	98884	40.00	ppb	-0.01
70) Phenanthrene-d10	16.37	188	191980	40.00	ppb	-0.02
85) Chrysene-d12	21.92	240	251496	40.00	ppb	-0.02
95) Perylene-d12	24.24	264	179272	40.00	ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	42344	40.00	ppb	-0.01
108) Acenaphthene-d10A	12.91	164	98884	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.23	112	32199	27.05	ppb	0.00
Spiked Amount 50.000			Recovery = 54.10%			
8) Phenol-d5	5.71	99	26219	16.24	ppb	0.00
Spiked Amount 50.000			Recovery = 32.48%			
26) Nitrobenzene-d5	7.37	82	81174	40.17	ppb	0.00
Spiked Amount 50.000			Recovery = 80.34%			
52) 2-Fluorobiphenyl	11.40	172	154422	41.44	ppb	-0.01
Spiked Amount 50.000			Recovery = 82.88%			
75) 2,4,6-Tribromophenol	14.80	330	24555	42.60	ppb	-0.02
Spiked Amount 50.000			Recovery = 85.20%			
88) Terphenyl-d14	20.04	244	242856	46.02	ppb	-0.01
Spiked Amount 50.000			Recovery = 92.04%			

Target Compounds Qvalue

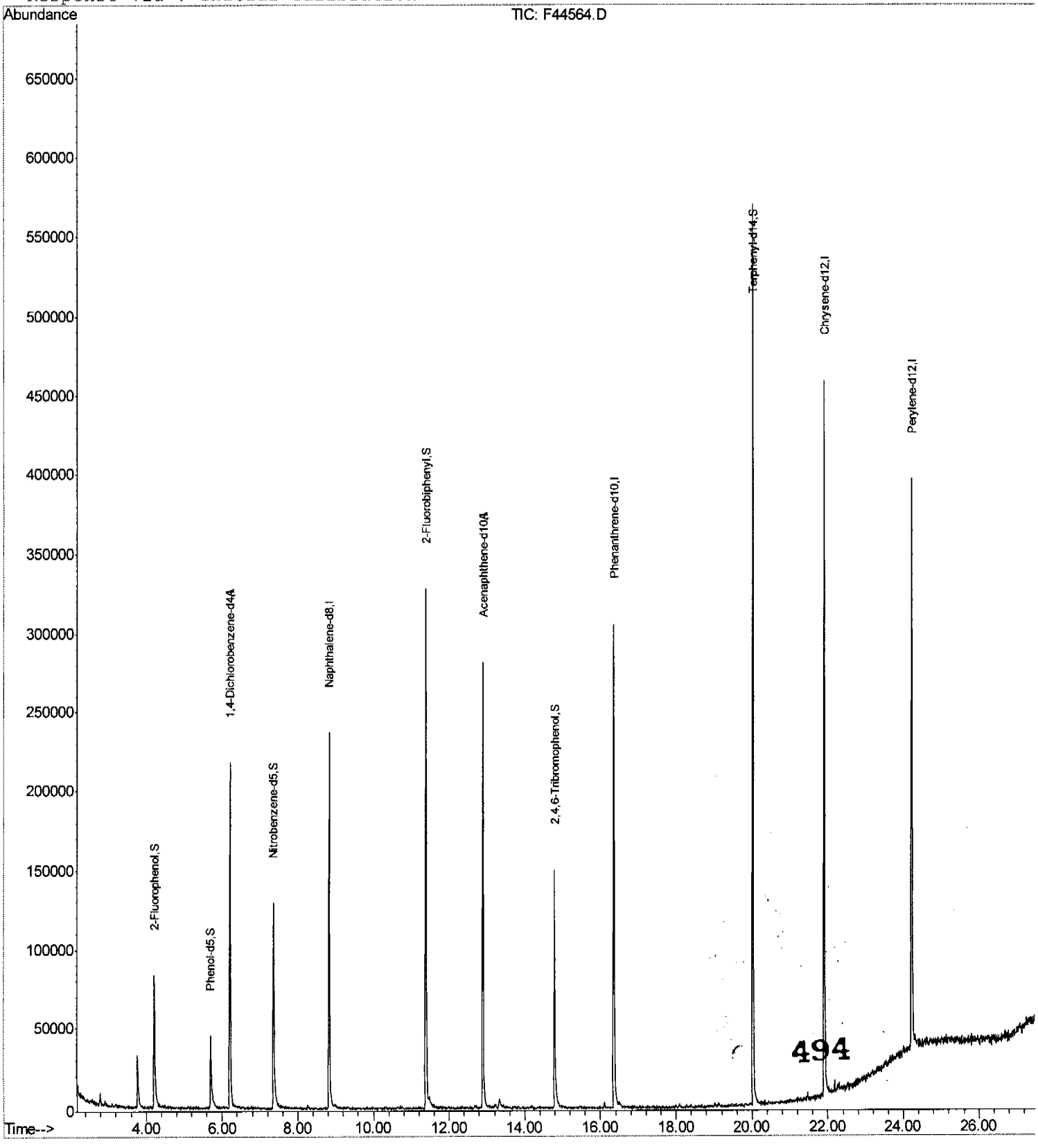
08/19/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44564.D Vial: 15
Acq On : 18 Aug 2004 5:03 pm Operator: NINAP
Sample : N74914-10 Inst : MSF
Misc : OP17702,EF2404,970 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:40 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44565.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.77	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.76	ug/l	
	3&4-Methylphenol	ND	5.3	0.74	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.77	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.84	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	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

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.61	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.83	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.94	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.70	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.76	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.84	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	86%		45-134%
4165-60-0	Nitrobenzene-d5	81%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	94%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44565.D Vial: 16
Acq On : 18 Aug 2004 5:39 pm Operator: NINAP
Sample : N74914-11 Inst : MSF
Misc : OP17702,EF2404,950 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 18:07:17 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	41401	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	159913	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	101712	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	196997	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	255003	40.00 ppb	-0.02
95) Perylene-d12	24.24	264	182061	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	41401	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	101712	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	33714	28.97 ppb	0.00
Spiked Amount 50.000			Recovery = 57.94%		
8) Phenol-d5	5.71	99	27704	17.55 ppb	-0.01
Spiked Amount 50.000			Recovery = 35.10%		
26) Nitrobenzene-d5	7.37	82	81647	40.63 ppb	-0.01
Spiked Amount 50.000			Recovery = 81.26%		
52) 2-Fluorobiphenyl	11.39	172	156439	40.82 ppb	-0.02
Spiked Amount 50.000			Recovery = 81.64%		
75) 2,4,6-Tribromophenol	14.80	330	25542	43.19 ppb	-0.02
Spiked Amount 50.000			Recovery = 86.38%		
88) Terphenyl-d14	20.04	244	252440	47.18 ppb	-0.01
Spiked Amount 50.000			Recovery = 94.36%		

Target Compounds Qvalue

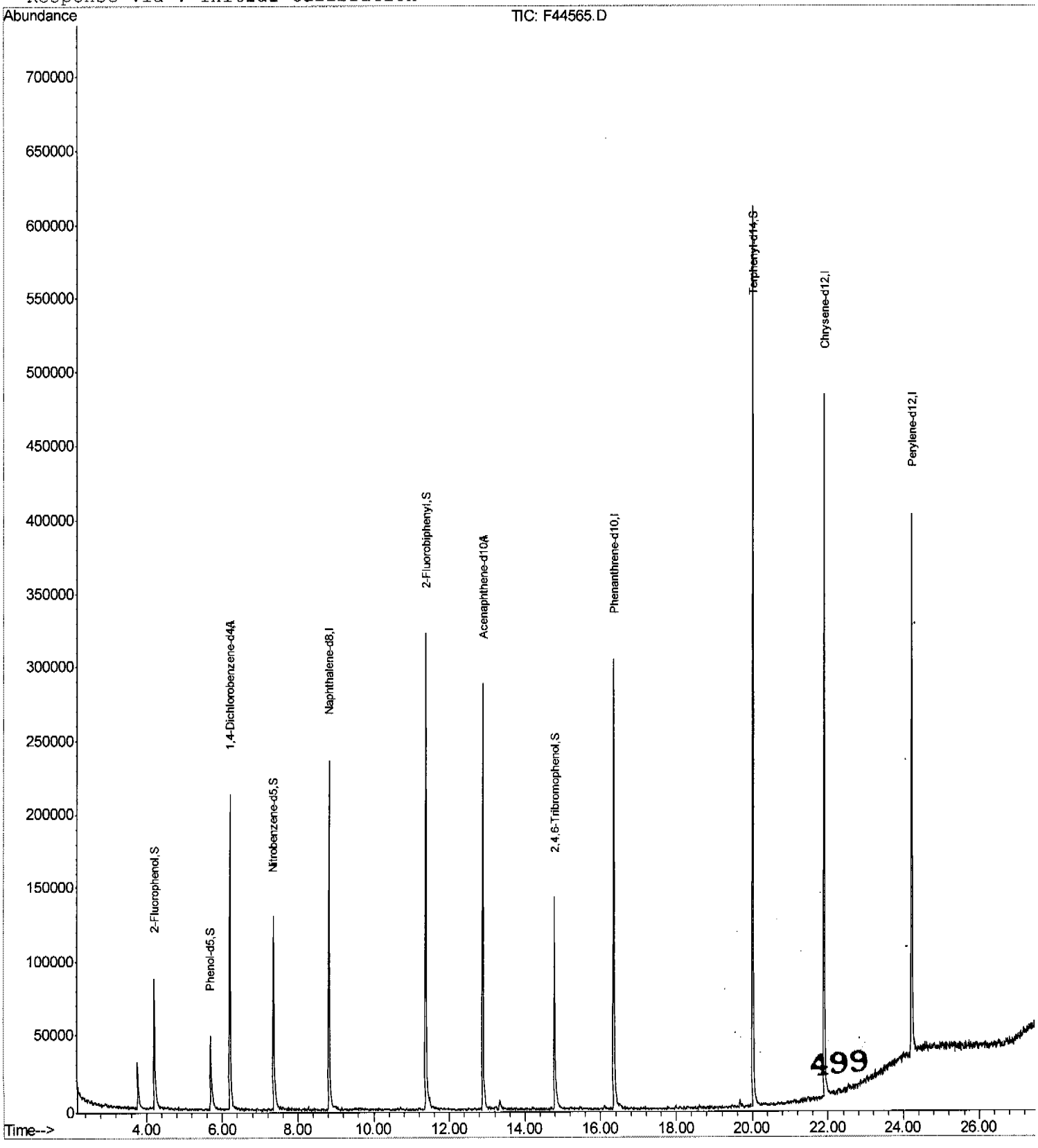
08/19/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44565.D Vial: 16
Acq On : 18 Aug 2004 5:39 pm Operator: NINAP
Sample : N74914-11 Inst : MSF
Misc : OP17702,EF2404,950 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:42 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44566.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.77	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.68	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.76	ug/l	
	3&4-Methylphenol	ND	5.3	0.74	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.77	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.8	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.78	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.84	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.56	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.40	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.52	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.46	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

500

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.51	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.65	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.61	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.83	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.66	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	7.9	2.1	0.77	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.94	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.2	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.47	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.70	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.76	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.84	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.61	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		10-88%
4165-62-2	Phenol-d5	36%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	84%		34-121%
1718-51-0	Terphenyl-d14	93%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44566.D Vial: 17
Acq On : 18 Aug 2004 6:16 pm Operator: NINAP
Sample : N74914-12 Inst : MSF
Misc : OP17702,EF2404,950 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 18:43:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	31953	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	123829	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	76347	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	149530	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	195093	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	137806	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	31953	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	76347	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	26240	29.21 ppb	0.00
Spiked Amount 50.000			Recovery = 58.42%		
8) Phenol-d5	5.71	99	21897	17.97 ppb	0.00
Spiked Amount 50.000			Recovery = 35.94%		
26) Nitrobenzene-d5	7.37	82	64249	41.29 ppb	0.00
Spiked Amount 50.000			Recovery = 82.58%		
52) 2-Fluorobiphenyl	11.40	172	120959	42.05 ppb	-0.01
Spiked Amount 50.000			Recovery = 84.10%		
75) 2,4,6-Tribromophenol	14.80	330	18762	41.80 ppb	-0.02
Spiked Amount 50.000			Recovery = 83.60%		
88) Terphenyl-d14	20.04	244	190626	46.57 ppb	-0.01
Spiked Amount 50.000			Recovery = 93.14%		
Target Compounds					Qvalue
94) bis(2-Ethylhexyl)phthalate	22.19	149	20949	7.53 ppb	96

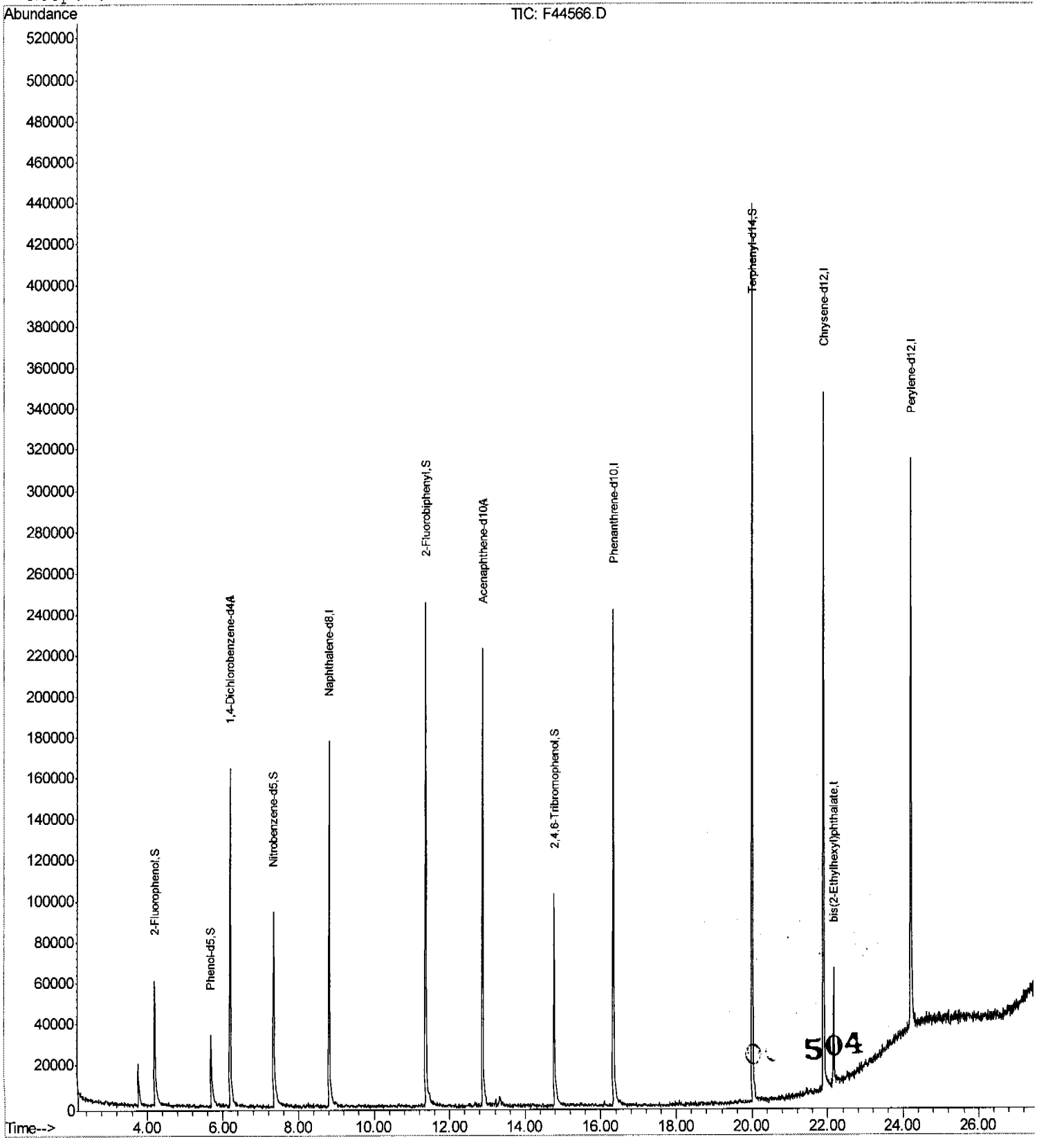
08/19/04

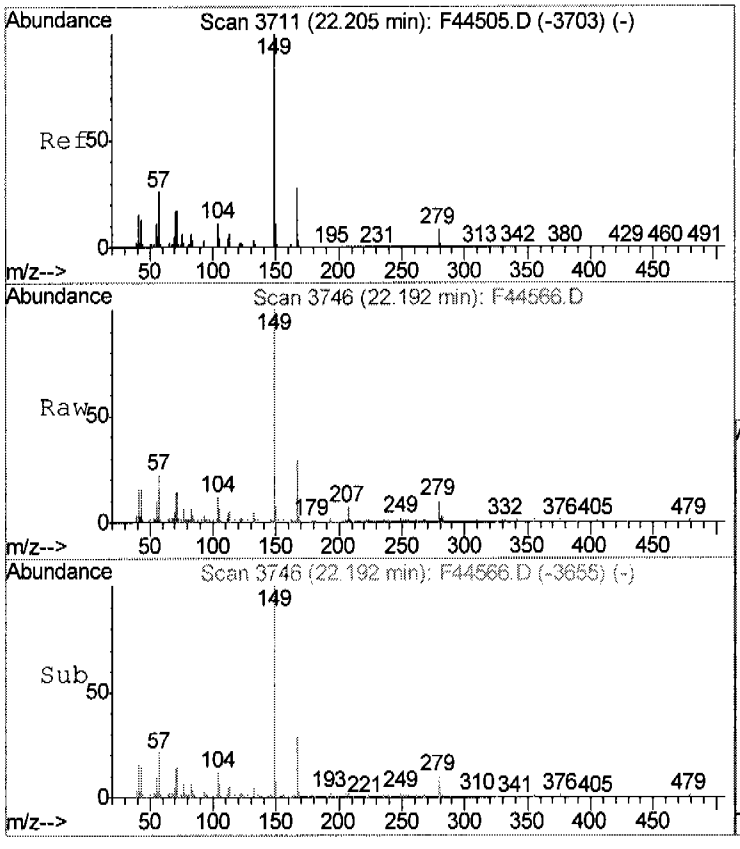
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44566.D Vial: 17
Acq On : 18 Aug 2004 6:16 pm Operator: NINAP
Sample : N74914-12 Inst : MSF
Misc : OP17702,EF2404,950 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:43 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration

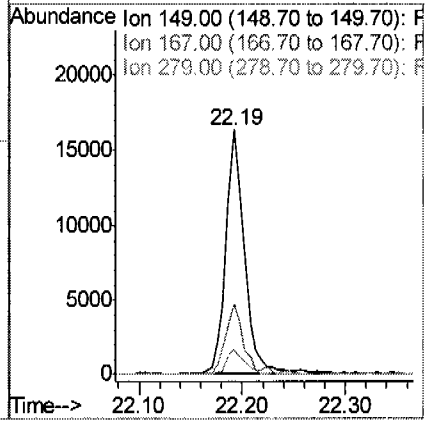




#94
bis(2-Ethylhexyl)phthalate
Concen: 7.53 ppb
RT: 22.19 min Scan# 3746
Delta R.T. -0.01 min
Lab File: F44566.D
Acq: 18 Aug 2004 6:16 pm

Tgt Ion:149 Resp: 20949

Ion	Ratio	Lower	Upper
149	100		
167	29.2	0.0	57.6
279	10.2	0.0	38.0



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44567.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	4.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	5.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	0.78	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.69	ug/l	
95-48-7	2-Methylphenol	ND	5.3	0.77	ug/l	
	3&4-Methylphenol	ND	5.3	0.75	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	0.78	ug/l	
100-02-7	4-Nitrophenol	ND	21	2.4	ug/l	
108-95-2	Phenol	ND	5.3	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	0.79	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	0.85	ug/l	
83-32-9	Acenaphthene	ND	2.1	0.31	ug/l	
208-96-8	Acenaphthylene	ND	2.1	0.37	ug/l	
98-86-2	Acetophenone	ND	5.3	0.57	ug/l	
120-12-7	Anthracene	ND	2.1	0.23	ug/l	
1912-24-9	Atrazine	ND	5.3	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.1	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.1	0.41	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.1	0.39	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.1	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.1	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.57	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.57	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	0.40	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.45	ug/l	
86-74-8	Carbazole	ND	2.1	0.36	ug/l	
105-60-2	Caprolactam	ND	2.1	0.47	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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.1	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.36	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.52	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.47	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.82	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.66	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.41	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.1	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.1	0.62	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.52	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.84	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.67	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.61	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.78	ug/l	
206-44-0	Fluoranthene	ND	2.1	0.67	ug/l	
86-73-7	Fluorene	ND	2.1	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.1	0.44	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.48	ug/l	
67-72-1	Hexachloroethane	ND	5.3	0.71	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.1	1.6	ug/l	
78-59-1	Isophorone	ND	2.1	0.57	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.77	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.1	ug/l	
91-20-3	Naphthalene	ND	2.1	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.65	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.53	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.85	ug/l	
85-01-8	Phenanthrene	ND	2.1	0.25	ug/l	
129-00-0	Pyrene	ND	2.1	0.62	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.3	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-88%
4165-62-2	Phenol-d5	35%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		45-134%
4165-60-0	Nitrobenzene-d5	83%		32-128%
321-60-8	2-Fluorobiphenyl	84%		34-121%
1718-51-0	Terphenyl-d14	92%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44567.D Vial: 18
Acq On : 18 Aug 2004 6:52 pm Operator: NINAP
Sample : N74914-13 Inst : MSF
Misc : OP17702,EF2404,940 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 19:20:15 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	41596	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	157552	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	96163	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	189682	40.00 ppb	-0.01
85) Chrysene-d12	21.92	240	253533	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	177856	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	41596	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	96163	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	32277	27.60 ppb	0.00
Spiked Amount 50.000			Recovery = 55.20%		
8) Phenol-d5	5.71	99	27459	17.31 ppb	0.00
Spiked Amount 50.000			Recovery = 34.62%		
26) Nitrobenzene-d5	7.37	82	82367	41.61 ppb	-0.01
Spiked Amount 50.000			Recovery = 83.22%		
52) 2-Fluorobiphenyl	11.39	172	151920	41.93 ppb	-0.01
Spiked Amount 50.000			Recovery = 83.86%		
75) 2,4,6-Tribromophenol	14.81	330	24293	42.66 ppb	-0.01
Spiked Amount 50.000			Recovery = 85.32%		
88) Terphenyl-d14	20.03	244	245791	46.21 ppb	-0.02
Spiked Amount 50.000			Recovery = 92.42%		

Target Compounds Qvalue

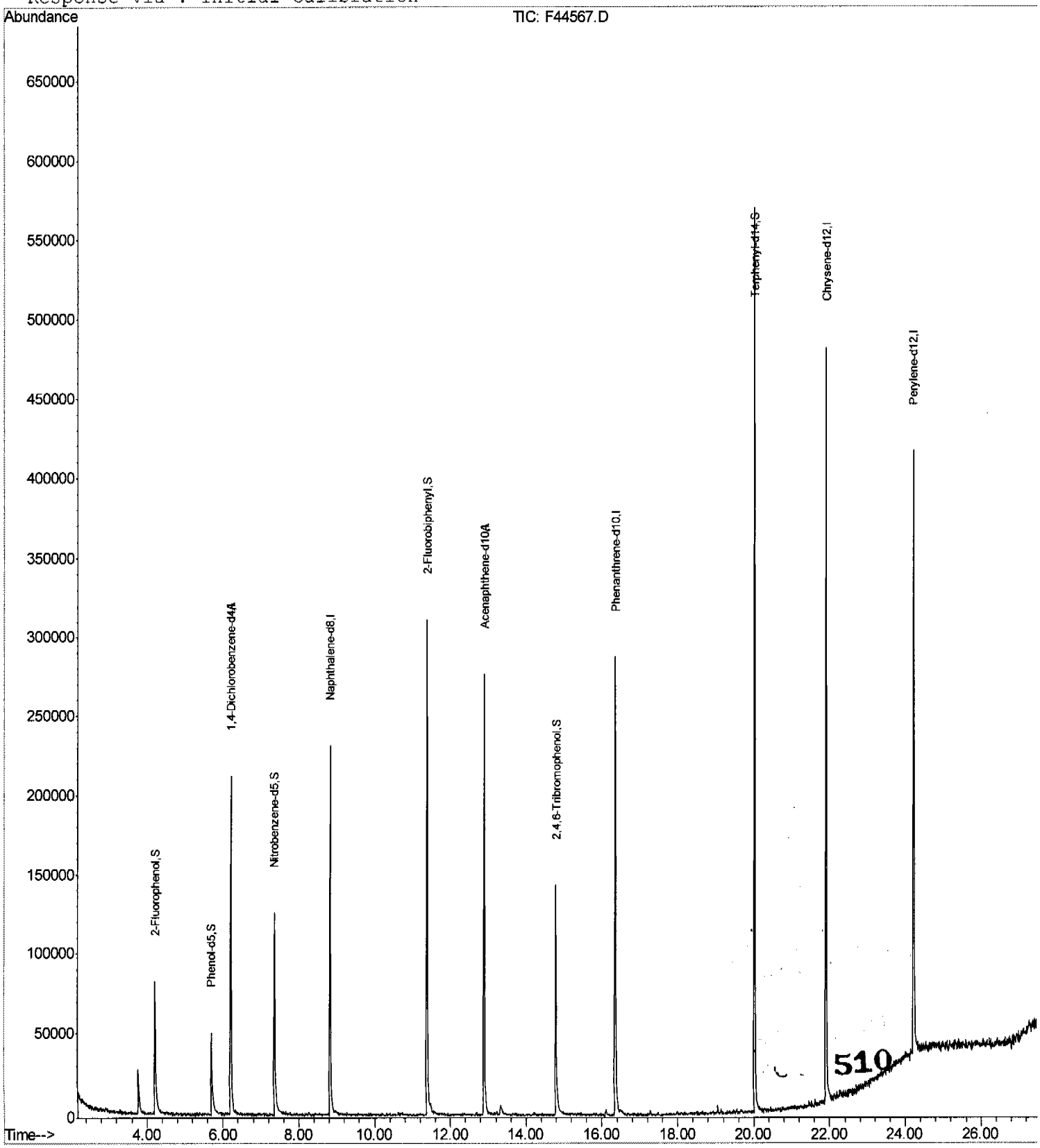
08/19/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44567.D Vial: 18
Acq On : 18 Aug 2004 6:52 pm Operator: NINAP
Sample : N74914-13 Inst : MSF
Misc : OP17702,EF2404,940 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:44 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44568.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.5	4.7	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.5	5.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.5	0.80	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.5	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.2	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.71	ug/l	
95-48-7	2-Methylphenol	ND	5.5	0.79	ug/l	
	3&4-Methylphenol	ND	5.5	0.77	ug/l	
88-75-5	2-Nitrophenol	ND	5.5	0.80	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.5	ug/l	
108-95-2	Phenol	ND	5.5	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.5	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.5	0.82	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.5	0.88	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.32	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.38	ug/l	
98-86-2	Acetophenone	ND	5.5	0.59	ug/l	
120-12-7	Anthracene	ND	2.2	0.24	ug/l	
1912-24-9	Atrazine	ND	5.5	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.5	4.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.30	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.42	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.41	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.55	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.41	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.59	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.59	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.5	0.41	ug/l	
106-47-8	4-Chloroaniline	ND	5.5	0.47	ug/l	
86-74-8	Carbazole	ND	2.2	0.37	ug/l	
105-60-2	Caprolactam	ND	2.2	0.48	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

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.37	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.53	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.85	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.68	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.5	0.43	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.64	ug/l	
132-64-9	Dibenzofuran	ND	5.5	0.54	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.86	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.69	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.6	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.63	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.81	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.70	ug/l	
86-73-7	Fluorene	ND	2.2	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.45	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.49	ug/l	
67-72-1	Hexachloroethane	ND	5.5	0.73	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.7	ug/l	
78-59-1	Isophorone	ND	2.2	0.59	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.79	ug/l	
88-74-4	2-Nitroaniline	ND	5.5	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.5	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.5	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.67	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.55	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.87	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.26	ug/l	
129-00-0	Pyrene	ND	2.2	0.64	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.5	0.69	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-88%
4165-62-2	Phenol-d5	34%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	84%		45-134%
4165-60-0	Nitrobenzene-d5	85%		32-128%
321-60-8	2-Fluorobiphenyl	82%		34-121%
1718-51-0	Terphenyl-d14	93%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44568.D Vial: 19
Acq On : 18 Aug 2004 7:28 pm Operator: NINAP
Sample : N74914-14 Inst : MSF
Misc : OP17702,EF2404,910 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 19:56:42 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	33806	40.00	ppb	-0.01
25) Naphthalene-d8	8.83	136	126145	40.00	ppb	-0.02
48) Acenaphthene-d10	12.91	164	77219	40.00	ppb	-0.01
70) Phenanthrene-d10	16.37	188	153050	40.00	ppb	-0.02
85) Chrysene-d12	21.92	240	199919	40.00	ppb	-0.02
95) Perylene-d12	24.23	264	139782	40.00	ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	33806	40.00	ppb	-0.01
108) Acenaphthene-d10A	12.91	164	77219	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.23	112	27131	28.55	ppb	0.00
Spiked Amount 50.000			Recovery = 57.10%			
8) Phenol-d5	5.71	99	21920	17.00	ppb	0.00
Spiked Amount 50.000			Recovery = 34.00%			
26) Nitrobenzene-d5	7.37	82	67381	42.51	ppb	0.00
Spiked Amount 50.000			Recovery = 85.02%			
52) 2-Fluorobiphenyl	11.39	172	119169	40.96	ppb	-0.01
Spiked Amount 50.000			Recovery = 81.92%			
75) 2,4,6-Tribromophenol	14.81	330	19225	41.84	ppb	-0.01
Spiked Amount 50.000			Recovery = 83.68%			
88) Terphenyl-d14	20.03	244	194772	46.43	ppb	-0.02
Spiked Amount 50.000			Recovery = 92.86%			

Target Compounds Qvalue

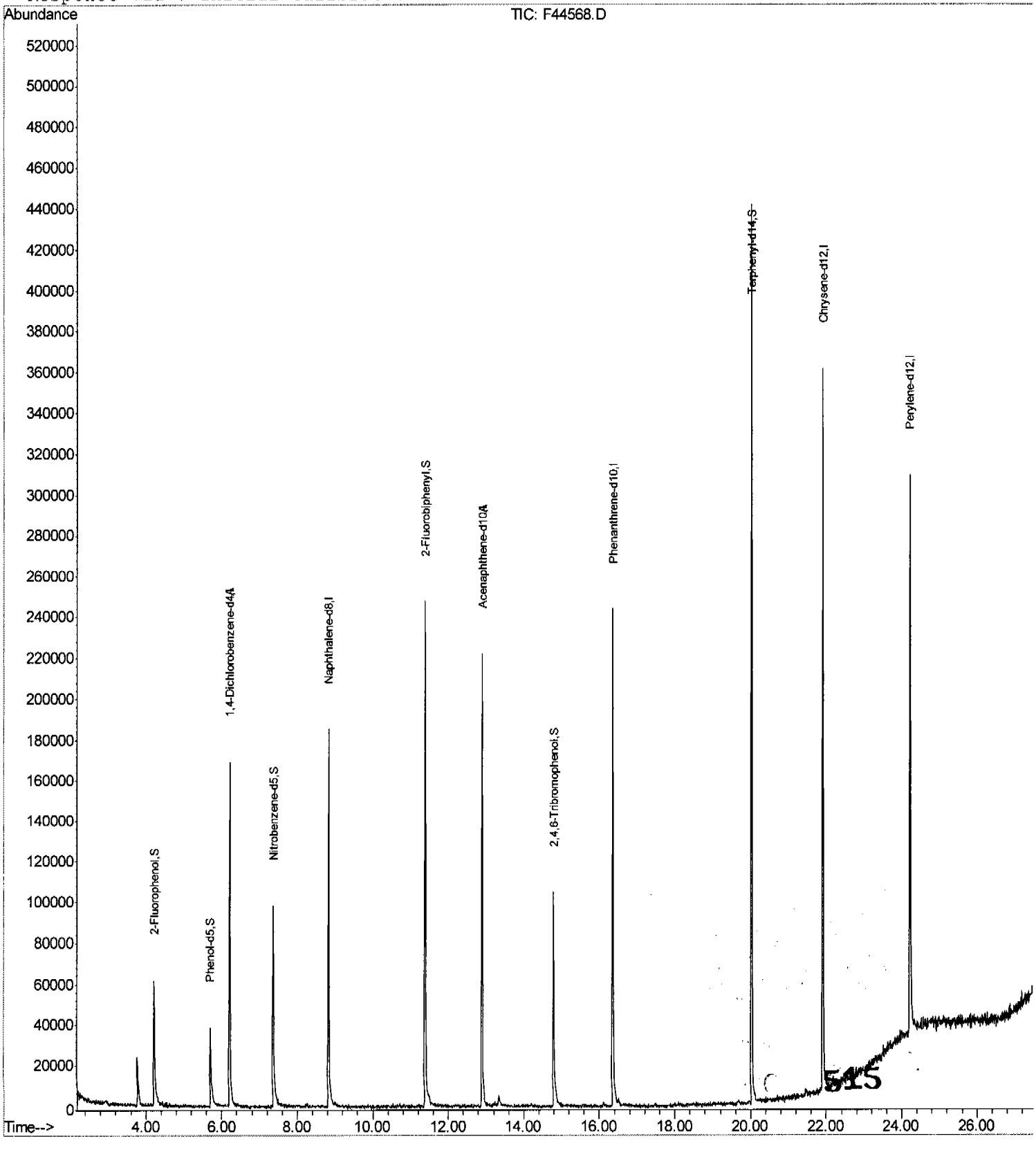
08/19/04

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44568.D Vial: 19
Acq On : 18 Aug 2004 7:28 pm Operator: NINAP
Sample : N74914-14 Inst : MSF
Misc : OP17702,EF2404,910 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:45 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F44569.D	1	08/18/04	NAP	08/13/04	OP17702	EF2404
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	4.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	5.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.4	0.78	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	1.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	1.1	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.70	ug/l	
95-48-7	2-Methylphenol	ND	5.4	0.78	ug/l	
	3&4-Methylphenol	ND	5.4	0.76	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	0.79	ug/l	
100-02-7	4-Nitrophenol	ND	22	2.4	ug/l	
108-95-2	Phenol	ND	5.4	1.9	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	0.80	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	0.86	ug/l	
83-32-9	Acenaphthene	ND	2.2	0.32	ug/l	
208-96-8	Acenaphthylene	ND	2.2	0.37	ug/l	
98-86-2	Acetophenone	ND	5.4	0.57	ug/l	
120-12-7	Anthracene	ND	2.2	0.23	ug/l	
1912-24-9	Atrazine	ND	5.4	1.6	ug/l	
100-52-7	Benzaldehyde	ND	5.4	3.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	2.2	0.29	ug/l	
50-32-8	Benzo(a)pyrene	ND	2.2	0.41	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	2.2	0.40	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	2.2	0.53	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	2.2	0.40	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.58	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.58	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.2	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.4	0.41	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.46	ug/l	
86-74-8	Carbazole	ND	2.2	0.36	ug/l	
105-60-2	Caprolactam	ND	2.2	0.47	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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	2.2	0.28	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.36	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.52	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.47	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.83	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.67	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.42	ug/l	
123-91-1	**1,4-Dioxane**	ND	2.2	1.4	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.2	0.62	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.53	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.85	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.68	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	1.5	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.62	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.79	ug/l	
206-44-0	Fluoranthene	ND	2.2	0.68	ug/l	
86-73-7	Fluorene	ND	2.2	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	2.2	1.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.2	0.45	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.48	ug/l	
67-72-1	Hexachloroethane	ND	5.4	0.72	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.2	1.6	ug/l	
78-59-1	Isophorone	ND	2.2	0.58	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	0.78	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	1.5	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	1.2	ug/l	
91-20-3	Naphthalene	ND	2.2	1.1	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.66	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.54	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.85	ug/l	
85-01-8	Phenanthrene	ND	2.2	0.25	ug/l	
129-00-0	Pyrene	ND	2.2	0.63	ug/l	
95-94-3	**1,2,4,5-Tetrachlorobenzene**	ND	5.4	0.67	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		10-88%
4165-62-2	Phenol-d5	33%		10-71%

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

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Former Camp Butner, NC		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	86%		45-134%
4165-60-0	Nitrobenzene-d5	84%		32-128%
321-60-8	2-Fluorobiphenyl	83%		34-121%
1718-51-0	Terphenyl-d14	98%		41-129%

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44569.D Vial: 20
Acq On : 18 Aug 2004 8:05 pm Operator: NINAP
Sample : N74914-15 Inst : MSF
Misc : OP17702,EF2404,930 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 20:32:59 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	44085	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	160368	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	100077	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	194068	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	250054	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	178250	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	44085	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	100077	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	33956	27.40 ppb	0.00
Spiked Amount 50.000			Recovery =	54.80%	
8) Phenol-d5	5.71	99	28050	16.69 ppb	-0.01
Spiked Amount 50.000			Recovery =	33.38%	
26) Nitrobenzene-d5	7.37	82	84925	42.15 ppb	-0.01
Spiked Amount 50.000			Recovery =	84.30%	
52) 2-Fluorobiphenyl	11.39	172	155907	41.34 ppb	-0.02
Spiked Amount 50.000			Recovery =	82.68%	
75) 2,4,6-Tribromophenol	14.80	330	25122	43.12 ppb	-0.02
Spiked Amount 50.000			Recovery =	86.24%	
88) Terphenyl-d14	20.04	244	258010	49.18 ppb	-0.01
Spiked Amount 50.000			Recovery =	98.36%	

Target Compounds Qvalue

08/19/04

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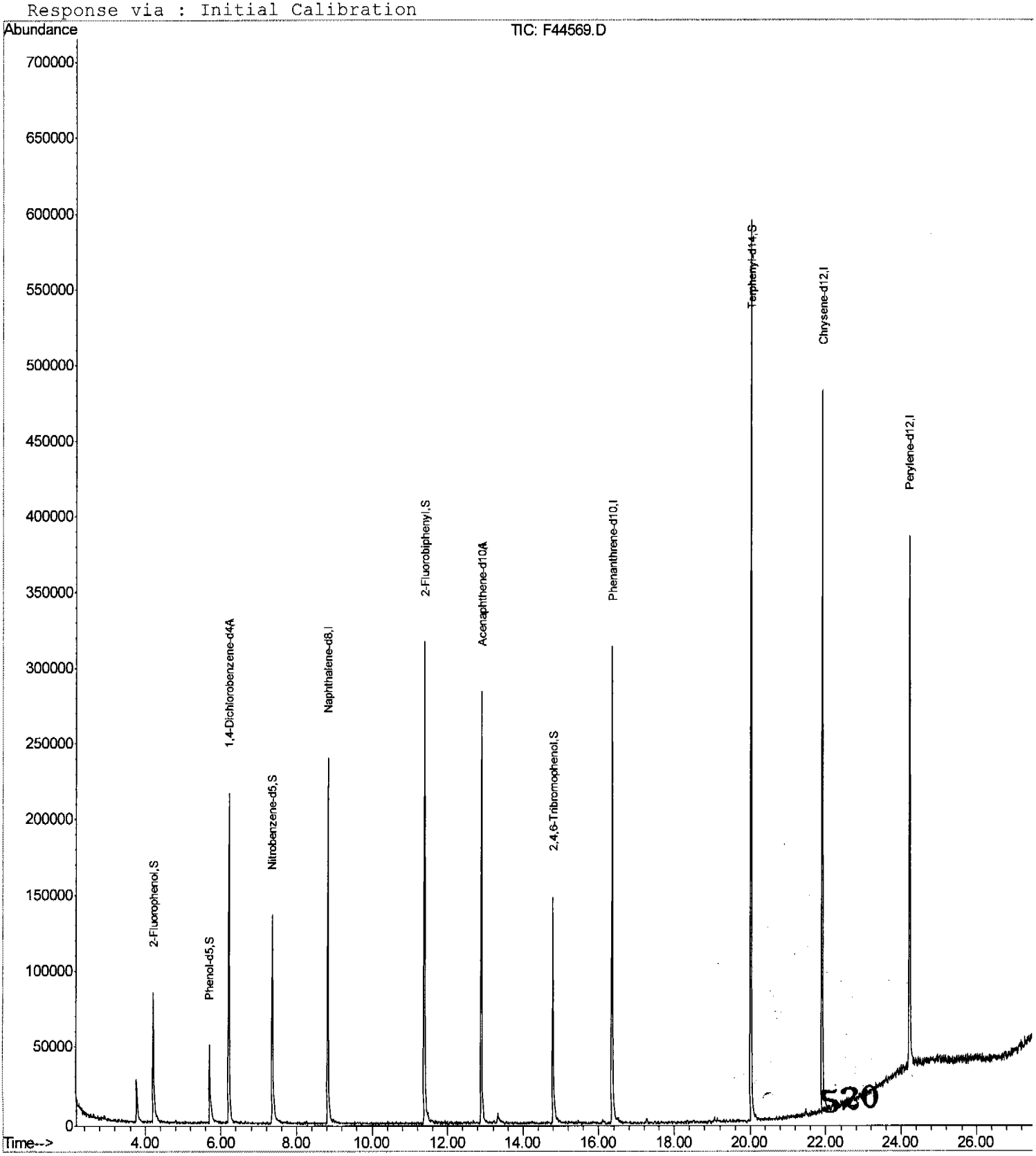
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44569.D Vial: 20
Acq On : 18 Aug 2004 8:05 pm Operator: NINAP
Sample : N74914-15 Inst : MSF
Misc : OP17702,EF2404,930 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 8:45 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



520

Initial Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2402-ICC2402
Lab FileID: F44505.D

Response Factor Report MSF

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:56:38 2004
Response via : Initial Calibration

Calibration Files
2 =F44511.D 5 =F44510.D 25 =F44508.D
80 =F44507.D 100 =F44506.D 50 =F44505.D 10 =F44509.D

Compound	2	5	25	80	100	50	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d				ISTD					
2)t 1,4-Dioxane	0.844	0.669	0.619	0.600	0.587	0.651	0.627	0.657	13.26
3)t Pyridine	1.584	1.287	1.583	1.518	1.565	1.595	1.485	1.517	7.17
4)t N-Nitrosodimethyl	1.108	0.812	0.895	0.912	0.911	0.939	0.814	0.913	10.89
5)S 2-Fluorophenol	0.934	0.949	1.192	1.238	1.222	1.236	1.100	1.124	11.87
6)t Indene	2.367	2.502	2.378	2.371	2.445	2.450	2.271	2.398	3.14
7)t Cumene	3.257	3.482	3.434	3.453	3.466	3.581	3.315	3.427	3.16
8)S Phenol-d5	1.383	1.360	1.532	1.640	1.671	1.644	1.447	1.525	8.56
9)t Phenol	1.347	1.634	1.773	1.848	1.882	1.882	1.729	1.728	11.02
10)t Aniline	1.369	1.852	1.860	2.012	2.037	2.069	1.852	1.864	12.74
11)t bis(2-Chloroethyl	1.173	1.071	1.208	1.215	1.229	1.269	1.111	1.182	5.90
12)t Benzaldehyde	0.209	0.850	0.592			0.411	0.799	0.572	46.84
13)t 2-Chlorophenol	1.227	1.305	1.380	1.418	1.440	1.468	1.282	1.360	6.63
14)t Decane	0.912	1.011	0.947	0.948	0.941	0.951	0.956	0.953	3.11
15)t 1,3-Dichlorobenze	1.478	1.708	1.554	1.573	1.575	1.630	1.444	1.566	5.65
16)t 1,4-Dichlorobenze	1.621	1.652	1.633	1.634	1.633	1.674	1.535	1.626	2.68
17)t Benzyl alcohol	0.914	0.719	0.879	0.929	0.942	0.898	0.818	0.871	8.98
18)t 1,2-Dichlorobenze	1.432	1.541	1.512	1.524	1.535	1.564	1.387	1.499	4.31
19)t Acetophenone	1.969	2.226	2.167	2.112	2.100	2.209	2.008	2.113	4.61
20)t 2-Methylphenol	1.045	1.266	1.190	1.220	1.267	1.266	1.068	1.189	7.99
21)t 2,2'-oxybis(1-Chl	0.531	0.527	0.467	0.461	0.481	0.485	0.467	0.488	5.89
22)t 3&4-Methylphenol	1.333	1.114	1.254	1.337	1.360	1.382	1.204	1.284	7.58
23)t n-Nitroso-di-n-pr	1.048	1.221	1.307	1.321	1.314	1.315	1.211	1.248	8.00
24)t Hexachloroethane	0.689	0.825	0.789	0.750	0.766	0.782	0.738	0.763	5.65
25) I Naphthalene-d8				ISTD					
26)S Nitrobenzene-d5	0.413	0.469	0.511	0.535	0.552	0.553	0.486	0.503	10.17
27)t Nitrobenzene	0.133	0.137	0.170	0.176	0.175	0.180	0.153	0.161	12.24
28)t Quinoline		0.638	0.704	0.732	0.731	0.734	0.664	0.701	5.80
29)t Isophorone	0.670	0.715	0.801	0.829	0.841	0.863	0.796	0.788	8.91
30)t 2-Nitrophenol		0.184	0.191	0.209	0.218	0.211	0.169	0.197	9.59
31)t 2,4-Dimethylpheno	0.404	0.414	0.409	0.461	0.473	0.487	0.400	0.435	8.43
32)t Benzoic acid			0.279	0.333	0.338	0.286	0.232	0.293	14.84
33)t bis(2-Chloroethox	0.336	0.388	0.396	0.401	0.414	0.420	0.383	0.391	7.09
34)t 2,4-Dichloropheno	0.250	0.269	0.314	0.339	0.346	0.355	0.301	0.310	12.83
35) 1,3,5-Trichlorobe	0.397	0.398	0.396	0.414	0.435	0.438	0.394	0.410	4.67
36)t 1,2,4-Trichlorobe	0.362	0.383	0.384	0.407	0.414	0.431	0.375	0.394	6.18
37) 1,2,3-Trichlorobe	0.385	0.385	0.375	0.382	0.390	0.399	0.356	0.382	3.51
38)t alpha-Terpineol	0.279	0.281	0.311	0.320	0.312	0.328	0.282	0.302	6.81
39)t Naphthalene	0.998	1.155	1.098	1.123	1.146	1.167	1.112	1.114	5.10
40)t 4-Chloroaniline		0.393	0.418	0.445	0.461	0.461	0.409	0.431	6.64
41)t 2,3-Dichloroanili	0.361	0.378	0.407	0.436	0.448	0.446	0.396	0.410	8.35
42)t Caprolactam	0.103	0.084	0.112	0.123	0.116	0.111	0.099	0.107	11.97
43)t Hexachlorobutadie	0.338	0.346	0.343	0.356	0.362	0.359	0.338	0.349	2.81
44)t 4-Chloro-3-methyl	0.268	0.325	0.354	0.397	0.392	0.398	0.333	[illegible]	13.69
45)t 2-Methylnaphthale	0.644	0.737	0.757	0.795	0.796	0.803	0.715	0.749	7.64

Initial Calibration Summary

Job Number: N74914 **Sample:** EF2402-ICC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44505.D
Project: Former Camp Butner, NC

```
46)t 1-Methylnaphthale 0.697 0.796 0.762 0.792 0.794 0.792 0.726 0.766   5.16
47)t Dimethylnaphthale 0.635 0.671 0.736 0.788 0.798 0.798 0.733 0.737   8.75

48) I   Acenaphthene-d10       ----------------ISTD--------------------
49)t Hexachlorocyclope 0.317 0.409 0.509             0.618 0.442 0.459  24.58
            ----- Linear regression -----  Coefficient =  0.9933
              Response Ratio = -0.07359 + 0.63138 *A

50)t 2,4,6-Trichloroph 0.364 0.467 0.438 0.491 0.517 0.506 0.414 0.457  12.01
51)t 2,4,5-Trichloroph 0.432 0.452 0.468 0.497 0.503 0.521 0.440 0.473   7.21
52)S 2-Fluorobiphenyl  1.431 1.493 1.507 1.526 1.573 1.600 1.422 1.507   4.41
53)t 2-Chloronaphthale 1.030 1.214 1.181 1.237 1.277 1.288 1.164 1.199   7.27
54)t Biphenyl          1.521 1.697 1.639 1.715 1.786 1.772 1.663 1.685   5.33
55)t 2-Nitroaniline          0.268 0.449 0.469 0.487 0.507 0.396 0.429  20.39
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.02183 + 0.49379 *A

56)t Dimethylphthalate 1.222 1.409 1.457 1.513 1.546 1.590 1.440 1.454   8.25
57)t Acenaphthylene    1.597 1.683 1.860 1.897 1.949 1.956 1.733 1.811   7.76
58)t 2,6-Dinitrotoluen 0.252 0.265 0.312 0.327 0.330 0.335 0.279 0.300  11.33
59)t 3-Nitroaniline          0.236 0.279 0.303 0.316 0.309 0.270 0.286  10.56
60)t Acenaphthene      1.247 1.265 1.216 1.282 1.317 1.341 1.231 1.271   3.57
61)t 2,4-Dinitrophenol       0.132 0.198 0.241 0.248 0.239 0.143 0.200  25.88
            ----- Linear regression -----  Coefficient =  0.9990
              Response Ratio = -0.05180 + 0.25676 *A

62)t 4-Nitrophenol           0.256 0.331 0.378 0.380 0.385 0.246 0.329  19.40
            ----- Linear regression -----  Coefficient =  0.9991
              Response Ratio = -0.02654 + 0.39202 *A

63)t Dibenzofuran      1.659 1.717 1.704 1.795 1.822 1.843 1.711 1.750   3.97
64)t 2,4-Dinitrotoluen 0.377 0.372 0.454 0.486 0.486 0.489 0.428 0.441  11.55
65)  2,3,4,6-Tetrachlo       0.401 0.470 0.500 0.510 0.500 0.422 0.467   9.79
66)t Diethylphthalate  1.474 1.617 1.656 1.737 1.750 1.795 1.583 1.659   6.73
67)t Fluorene          1.346 1.485 1.496 1.607 1.634 1.647 1.444 1.523   7.31
68)t 4-Chlorophenyl-ph 0.753 0.848 0.830 0.873 0.921 0.903 0.833 0.852   6.51
69)t 4-Nitroaniline          0.260 0.257 0.307 0.315 0.314 0.243 0.283  11.51

70) I   Phenanthrene-d10       ----------------ISTD--------------------
71)t 4,6-Dinitro-2-met             0.145 0.151 0.160 0.163 0.122 0.148  11.11
72)t Atrazine          0.229 0.200 0.214 0.205 0.210 0.235 0.198 0.213   6.65
73)t n-Nitrosodiphenyl 0.501 0.503 0.505 0.494 0.507 0.538 0.499 0.507   2.88
74)t 1,2-Diphenylhydra 0.707 0.856 0.893 0.876 0.894 0.941 0.861 0.861   8.55
75)S 2,4,6-Tribromophe       0.117 0.125 0.118 0.124 0.128 0.109 0.120   5.63
76)t 4-Bromophenyl-phe 0.258 0.252 0.269 0.255 0.265 0.275 0.238 0.259   4.66
77)t Hexachlorobenzene 0.280 0.293 0.272 0.263 0.269 0.290 0.271 0.277   4.06
78)t Pentachlorophenol       0.139 0.175 0.191 0.201 0.201 0.151 0.176  14.85
79)t Phenanthrene      1.092 1.159 1.086 1.034 1.065 1.148 1.055 1.091   4.30
80)t Anthracene        0.933 1.081 1.090 1.061 1.082 1.151 1.045 1.063   6.25
81)t Carbazole         0.724 0.880 0.904 0.900 0.911 0.959 0.878 0.879   8.38
82)t Di-n-butylphthala 0.991 1.143 1.221 1.214 1.244 1.299 1.112 1.175   8.69
83)t Fluoranthene      1.207 1.374 1.365 1.344 1.385 1.456 1.312 1.349   5.69
84)t Octadecane        0.305 0.302 0.343 0.322 0.335 0.346 0.314 0.324   5.53

85) I   Chrysene-d12          ----------------ISTD--------------------
86)t Benzidine         0.177 0.253 0.189 0.232 0.209 0.324 0.269 0.236  21.59
87)t Pyrene            0.970 1.125 1.106 1.112 1.109 1.188 1.052 1.095   6.20
88)S Terphenyl-d14     0.756 0.805 0.866 0.868 0.876 0.913 0.790 0.839   6.68
89)t Butylbenzylphthal 0.316 0.375 0.432 0.452 0.450 0.494 0.391 0.416  14.26
90)  Butyl stearate          0.130 0.161 0.173 0.170 0.183 0.147 0.161  12.07
```

Initial Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Sample: EF2402-ICC2402
Lab FileID: F44505.D

```
 91)t Benzo[a]anthracen 1.129 1.165 1.130 1.159 1.164 1.268 1.076 1.156   5.04
 92)t 3,3'-Dichlorobenz 0.286 0.372 0.377 0.371 0.378 0.422 0.377 0.369  11.03
 93)t Chrysene          1.084 1.153 1.094 1.123 1.104 1.164 1.066 1.113   3.24
 94)t bis(2-Ethylhexyl) 0.395 0.508 0.593 0.629 0.626 0.672 0.533 0.565  16.65
            ----- Linear regression -----  Coefficient =  0.9984
              Response Ratio = -0.01280 + 0.63842 *A


 95) I   Perylene-d12          ----------------ISTD--------------------
 96)t Di-n-octylphthala 0.865 1.045 1.279 1.489 1.565 1.558 1.076 1.268  22.08
            ----- Linear regression -----  Coefficient =  0.9979
              Response Ratio = -0.09356 + 1.57877 *A

 97)t Benzo[b]fluoranth 1.298 1.578 1.612 1.873 1.885 1.911 1.525 1.669  13.77
 98)t Benzo[k]fluoranth 1.775 1.789 1.841 1.961 2.206 2.076 1.659 1.901  10.03
 99)t Benzo[a]pyrene    1.257 1.467 1.488 1.594 1.682 1.678 1.348 1.502  10.77
100)t Indeno[1,2,3-cd]p 1.469 1.767 1.812 1.929 2.081 2.037 1.649 1.821  11.91
101)t Dibenz(a,h)acridi 1.098 1.274 1.405 1.456 1.561 1.547 1.237 1.368  12.56
102)t Dibenz[a,h]anthra 1.225 1.495 1.546 1.658 1.790 1.716 1.359 1.541  13.02
103)t 7,12-Dimethylbenz 0.623 0.692 0.764 0.897 0.986 0.941 0.677 0.797  18.00
            ----- Linear regression -----  Coefficient =  0.9954
              Response Ratio = -0.06423 + 0.97771 *A

104)t 3-Methylcholanthr                                        0.000# -1.00
105)t Benzo[g,h,i]peryl 1.233 1.474 1.505 1.572 1.673 1.648 1.347 1.493  10.67

106)     Naphthalene-d8A      ----------------ISTD--------------------
107)  Methyl Salicylate                                        0.000# -1.00
108)  Salicylic Acid                                           0.000# -1.00

109)     Acenaphthene-d10A    ----------------ISTD--------------------
110)  Diphenyl Ether                                           0.000# -1.00
 ---------------------------------------------------------------------------

                                                   Average  % RSD =   9.5

  (  1.0 %)  1 of  98 compounds'% RSD >  0
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MF2402.M          Tue Aug 17 09:57:10 2004   MSF
```

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44505.D Vial: 2
Acq On : 16 Aug 2004 2:06 pm Operator: NINAP
Sample : ICC2402-50 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:17:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	51743	40.00 ppb	0.00
25) Naphthalene-d8	8.85	136	191022	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	121835	40.00 ppb	0.00
70) Phenanthrene-d10	16.39	188	261422	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	331699	40.00 ppb	0.00
95) Perylene-d12	24.25	264	219104	40.00 ppb	0.00
106) Naphthalene-d8A	8.85	136	191022	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	121835	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	79946	50.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.00%	
8) Phenol-d5	5.72	99	106335	50.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.00%	
26) Nitrobenzene-d5	7.38	82	132156	50.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.00%	
52) 2-Fluorobiphenyl	11.41	172	243636	50.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.00%	
75) 2,4,6-Tribromophenol	14.82	330	41839	50.00 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.00%	
88) Terphenyl-d14	20.05	244	380033	50.19 ppb	0.00
Spiked Amount 50.000			Recovery	= 100.38%	
Target Compounds					Qvalue
2) 1,4-Dioxane	2.42	88	42136	50.00 ppb	100
3) Pyridine	2.75	79	103155	50.00 ppb	100
4) N-Nitrosodimethylamine	2.71	42	60740	50.00 ppb	100
6) Indene	6.77	116	158471	50.00 ppb	100
7) Cumene	4.93	105	231588	50.00 ppb	100
9) Phenol	5.73	94	121721	50.00 ppb	100
10) Aniline	5.72	93	133808	50.00 ppb	100
11) bis(2-Chloroethyl)ether	5.83	93	82107	50.00 ppb	100
12) Benzaldehyde	5.48	105	26569	50.00 ppb	100
13) 2-Chlorophenol	5.92	128	94942	50.00 ppb	100
14) Decane	6.00	43	61534	50.00 ppb	100
15) 1,3-Dichlorobenzene	6.16	146	105403	50.00 ppb	100
16) 1,4-Dichlorobenzene	6.26	146	108246	50.00 ppb	100
17) Benzyl alcohol	6.57	108	58069	50.00 ppb	100
18) 1,2-Dichlorobenzene	6.62	146	101186	50.00 ppb	100
19) Acetophenone	7.08	105	142869	50.00 ppb	100
20) 2-Methylphenol	6.86	108	81910	50.00 ppb	100
21) 2,2'-oxybis(1-Chloropropan	6.87	121	31369	50.00 ppb	100
22) 3&4-Methylphenol	7.16	108	89418	50.00 ppb	100
23) n-Nitroso-di-n-propylamine	7.15	70	85039	50.00 ppb	100
24) Hexachloroethane	7.21	201	50610	50.00 ppb	100
27) Nitrobenzene	7.42	123	43058	50.00 ppb	100
28) Quinoline	9.68	129	175275	50.00 ppb	100
29) Isophorone	7.91	82	205953	50.00 ppb	100
30) 2-Nitrophenol	8.10	139	50327	50.00 ppb	100
31) 2,4-Dimethylphenol	8.26	107	116210	50.00 ppb	100

524

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44505.D Vial: 2
Acq On : 16 Aug 2004 2:06 pm Operator: NINAP
Sample : ICC2402-50 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:17:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Benzoic acid	8.58	105	68176	50.00 ppb	100
33) bis(2-Chloroethoxy)methane	8.45	93	100319	50.00 ppb	100
34) 2,4-Dichlorophenol	8.62	162	84781	50.00 ppb	100
35) 1,3,5-Trichlorobenzene	8.10	180	104664	50.00 ppb	100
36) 1,2,4-Trichlorobenzene	8.77	180	102963	50.00 ppb	100
37) 1,2,3-Trichlorobenzene	9.31	180	95225	50.00 ppb	100
38) alpha-Terpineol	8.95	59	78369	50.00 ppb	100
39) Naphthalene	8.89	128	278649	50.00 ppb	100
40) 4-Chloroaniline	9.12	127	109985	50.00 ppb	100
41) 2,3-Dichloroaniline	11.23	161	106386	50.00 ppb	100
42) Caprolactam	9.85	55	26542	50.00 ppb	100
43) Hexachlorobutadiene	9.34	225	85610	50.00 ppb	100
44) 4-Chloro-3-methylphenol	10.33	107	95070	50.00 ppb	100
45) 2-Methylnaphthalene	10.46	142	191714	50.00 ppb	100
46) 1-Methylnaphthalene	10.71	142	189093	50.00 ppb	100
47) Dimethylnaphthalene	11.94	156	190566	50.00 ppb	100
49) Hexachlorocyclopentadiene	11.01	237	188263	100.00 ppb	100
50) 2,4,6-Trichlorophenol	11.24	196	77019	50.00 ppb	100
51) 2,4,5-Trichlorophenol	11.34	196	79289	50.00 ppb	100
53) 2-Chloronaphthalene	11.58	162	196216	50.00 ppb	100
54) Biphenyl	11.60	154	269939	50.00 ppb	100
55) 2-Nitroaniline	11.96	65	77138	50.00 ppb	100
56) Dimethylphthalate	12.52	163	242115	50.00 ppb	100
57) Acenaphthylene	12.55	152	297913	50.00 ppb	100
58) 2,6-Dinitrotoluene	12.64	165	51041	50.00 ppb	100
59) 3-Nitroaniline	12.96	138	47110	50.00 ppb	100
60) Acenaphthene	12.99	153	204267	50.00 ppb	100
61) 2,4-Dinitrophenol	13.20	184	72792	100.00 ppb	100
62) 4-Nitrophenol	13.51	109	58681	50.00 ppb	100
63) Dibenzofuran	13.38	168	280738	50.00 ppb	100
64) 2,4-Dinitrotoluene	13.56	165	74462	50.00 ppb	100
65) 2,3,4,6-Tetrachlorophenol	13.83	232	76218	50.00 ppb	100
66) Diethylphthalate	14.21	149	273400	50.00 ppb	100
67) Fluorene	14.19	166	250819	50.00 ppb	100
68) 4-Chlorophenyl-phenylether	14.26	204	137462	50.00 ppb	100
69) 4-Nitroaniline	14.42	138	47777	50.00 ppb	100
71) 4,6-Dinitro-2-methylphenol	14.52	198	53250	50.00 ppb	100
72) Atrazine	16.00	200	76899	50.00 ppb	100
73) n-Nitrosodiphenylamine	14.58	169	175961	50.00 ppb	100
74) 1,2-Diphenylhydrazine	14.62	77	614822	100.00 ppb	100
76) 4-Bromophenyl-phenylether	15.40	248	89791	50.00 ppb	100
77) Hexachlorobenzene	15.69	284	94859	50.00 ppb	100
78) Pentachlorophenol	16.16	266	131446	100.00 ppb	100
79) Phenanthrene	16.44	178	375139	50.00 ppb	100
80) Anthracene	16.55	178	376249	50.00 ppb	100
81) Carbazole	17.01	167	313281	50.00 ppb	100
82) Di-n-butylphthalate	18.10	149	424321	50.00 ppb	100
83) Fluoranthene	19.18	202	475879	50.00 ppb	100
84) Octadecane	16.38	57	112980	50.00 ppb	100

525

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44505.D Vial: 2
Acq On : 16 Aug 2004 2:06 pm Operator: NINAP
Sample : ICC2402-50 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:17:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.55	184	269989	100.37 ppb	100
87)	Pyrene	19.62	202	494531	50.19 ppb	100
89)	Butylbenzylphthalate	21.10	149	205499	50.15 ppb	100
90)	Butyl stearate	21.21	56	76296	50.19 ppb	100
91)	Benzo[a]anthracene	21.92	228	527530	50.19 ppb	100
92)	3,3'-Dichlorobenzidine	21.95	252	175692	50.19 ppb	100
93)	Chrysene	21.99	228	484524	50.19 ppb	100
94)	bis(2-Ethylhexyl)phthalate	22.20	149	279744	50.19 ppb	100
96)	Di-n-octylphthalate	23.19	149	426835	50.00 ppb	100
97)	Benzo[b]fluoranthene	23.67	252	523480	50.00 ppb	100
98)	Benzo[k]fluoranthene	23.72	252	568525	50.00 ppb	100
99)	Benzo[a]pyrene	24.16	252	459654	50.00 ppb	100
100)	Indeno[1,2,3-cd]pyrene	26.18	276	557814	50.00 ppb	100
101)	Dibenz(a,h)acridine	25.74	279	423635	50.00 ppb	100
102)	Dibenz[a,h]anthracene	26.21	278	469996	50.00 ppb	100
103)	7,12-Dimethylbenz(a)anthra	23.71	256	257622	50.00 ppb	100
104)	3-Methylcholanthrene	24.79	268	6777	50.00 ppb	100
105)	Benzo[g,h,i]perylene	26.71	276	451251	50.00 ppb	100

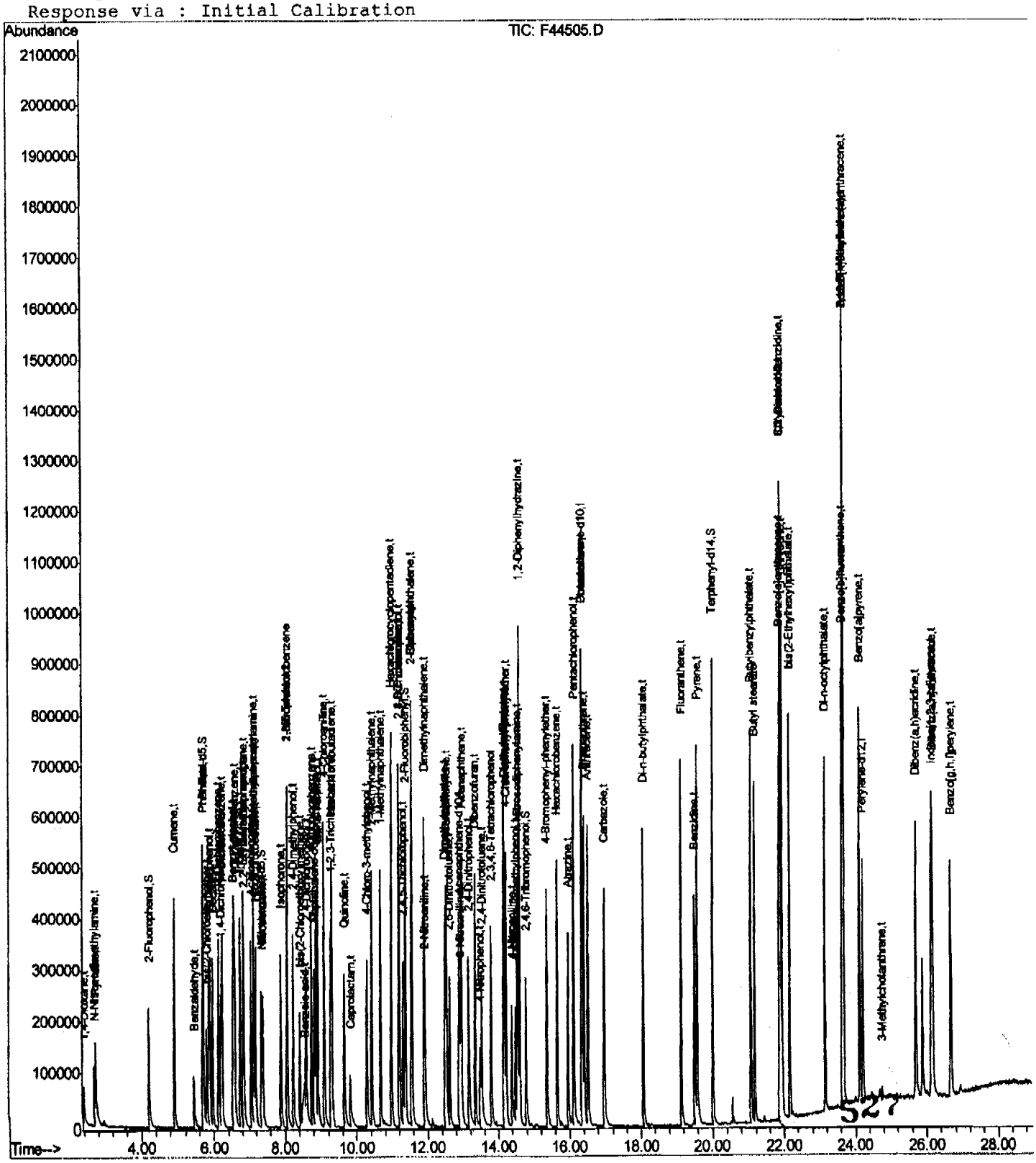
526

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44505.D Vial: 2
Acq On : 16 Aug 2004 2:06 pm Operator: NINAP
Sample : ICC2402-50 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:17 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44506.D Vial: 3
Acq On : 16 Aug 2004 2:44 pm Operator: NINAP
Sample : IC2402-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:18:50 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	47281	40.00 ppb	0.00
25) Naphthalene-d8	8.85	136	175880	40.00 ppb	0.00
48) Acenaphthene-d10	12.93	164	112872	40.00 ppb	0.00
70) Phenanthrene-d10	16.39	188	253119	40.00 ppb	0.00
85) Chrysene-d12	21.95	240	330683	40.00 ppb	0.00
95) Perylene-d12	24.26	264	201921	40.00 ppb	0.00
106) Naphthalene-d8A	8.85	136	175880	40.00 ppb	0.00
109) Acenaphthene-d10A	12.93	164	112872	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.24	112	144418	98.85 ppb	0.00
Spiked Amount 50.000			Recovery	= 197.70%	
8) Phenol-d5	5.72	99	197470	101.62 ppb	0.00
Spiked Amount 50.000			Recovery	= 203.24%	
26) Nitrobenzene-d5	7.39	82	242917	99.82 ppb	0.00
Spiked Amount 50.000			Recovery	= 199.64%	
52) 2-Fluorobiphenyl	11.41	172	443762	98.30 ppb	0.00
Spiked Amount 50.000			Recovery	= 196.60%	
75) 2,4,6-Tribromophenol	14.82	330	78230	96.56 ppb	0.00
Spiked Amount 50.000			Recovery	= 193.12%	
88) Terphenyl-d14	20.05	244	724580	95.98 ppb	0.00
Spiked Amount 50.000			Recovery	= 191.96%	

Target Compounds					Qvalue
2) 1,4-Dioxane	2.43	88	69383	90.10 ppb	97
3) Pyridine	2.75	79	185005	98.14 ppb	96
4) N-Nitrosodimethylamine	2.72	42	107633	96.96 ppb	98
6) Indene	6.77	116	288958	99.77 ppb	97
7) Cumene	4.93	105	409683	96.80 ppb	98
9) Phenol	5.74	94	222458	100.00 ppb	89
10) Aniline	5.73	93	240757	98.45 ppb	94
11) bis(2-Chloroethyl)ether	5.84	93	145261	96.81 ppb	98
12) Benzaldehyde	5.48	105	20968	43.18 ppb	98
13) 2-Chlorophenol	5.92	128	170264	98.13 ppb	99
14) Decane	6.00	43	111187	98.87 ppb	92
15) 1,3-Dichlorobenzene	6.16	146	186199	96.66 ppb	95
16) 1,4-Dichlorobenzene	6.26	146	193022	97.57 ppb	96
17) Benzyl alcohol	6.57	108	111295	104.87 ppb	97
18) 1,2-Dichlorobenzene	6.62	146	181408	98.10 ppb	96
19) Acetophenone	7.09	105	248283	95.09 ppb	98
20) 2-Methylphenol	6.86	108	149711	100.01 ppb	98
21) 2,2'-oxybis(1-Chloropropan	6.87	121	56902	99.26 ppb	94
22) 3&4-Methylphenol	7.16	108	160789	98.39 ppb	90
23) n-Nitroso-di-n-propylamine	7.16	70	155302	99.93 ppb	96
24) Hexachloroethane	7.21	201	90541	97.89 ppb	98
27) Nitrobenzene	7.42	123	77085	97.22 ppb	96
28) Quinoline	9.69	129	321580	99.63 ppb	99
29) Isophorone	7.92	82	369927	97.54 ppb	99
30) 2-Nitrophenol	8.10	139	95898	103.48 ppb	96
31) 2,4-Dimethylphenol	8.27	107	208124	97.26 ppb	98

528

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44506.D Vial: 3
Acq On : 16 Aug 2004 2:44 pm Operator: NINAP
Sample : IC2402-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:18:50 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32)	Benzoic acid	8.64	105	148708	118.45 ppb		94
33)	bis(2-Chloroethoxy)methane	8.45	93	182160	98.61 ppb		98
34)	2,4-Dichlorophenol	8.62	162	152063	97.40 ppb		98
35)	1,3,5-Trichlorobenzene	8.10	180	191271	99.24 ppb		99
36)	1,2,4-Trichlorobenzene	8.77	180	181868	95.92 ppb		97
37)	1,2,3-Trichlorobenzene	9.31	180	171629	97.88 ppb		97
38)	alpha-Terpineol	8.95	59	137031	94.95 ppb		97
39)	Naphthalene	8.89	128	503819	98.19 ppb		99
40)	4-Chloroaniline	9.13	127	202637	100.05 ppb		99
41)	2,3-Dichloroaniline	11.23	161	196984	100.55 ppb		99
42)	Caprolactam	9.86	55	50960	104.26 ppb		90
43)	Hexachlorobutadiene	9.34	225	158967	100.84 ppb		97
44)	4-Chloro-3-methylphenol	10.33	107	172436	98.50 ppb		98
45)	2-Methylnaphthalene	10.47	142	350052	99.16 ppb		99
46)	1-Methylnaphthalene	10.71	142	349253	100.30 ppb		99
47)	Dimethylnaphthalene	11.94	156	351048	100.04 ppb		99
49)	Hexachlorocyclopentadiene	11.01	237	354770	203.41 ppb		93
50)	2,4,6-Trichlorophenol	11.24	196	145816	102.18 ppb		99
51)	2,4,5-Trichlorophenol	11.34	196	141931m	96.61 ppb		
53)	2-Chloronaphthalene	11.58	162	360209	99.08 ppb		99
54)	Biphenyl	11.59	154	503863	100.74 ppb		97
55)	2-Nitroaniline	11.96	65	137549	96.24 ppb		87
56)	Dimethylphthalate	12.52	163	436136	97.22 ppb		99
57)	Acenaphthylene	12.56	152	550024	99.64 ppb		98
58)	2,6-Dinitrotoluene	12.65	165	93182	98.53 ppb		95
59)	3-Nitroaniline	12.96	138	89219	102.21 ppb		98
60)	Acenaphthene	13.00	153	371567	98.17 ppb		96
61)	2,4-Dinitrophenol	13.21	184	140118	207.78 ppb		93
62)	4-Nitrophenol	13.51	109	107205	98.60 ppb		97
63)	Dibenzofuran	13.38	168	514011	98.82 ppb		99
64)	2,4-Dinitrotoluene	13.57	165	137041	99.33 ppb		99
65)	2,3,4,6-Tetrachlorophenol	13.83	232	143996	101.96 ppb		99
66)	Diethylphthalate	14.22	149	493855	97.49 ppb		100
67)	Fluorene	14.20	166	461110	99.22 ppb		99
68)	4-Chlorophenyl-phenylether	14.26	204	260028	102.09 ppb		96
69)	4-Nitroaniline	14.43	138	88841	100.36 ppb		96
71)	4,6-Dinitro-2-methylphenol	14.53	198	101206	98.15 ppb	#	67
72)	Atrazine	16.01	200	133119	89.39 ppb		98
73)	n-Nitrosodiphenylamine	14.59	169	321031	94.21 ppb		99
74)	1,2-Diphenylhydrazine	14.63	77	1131663	190.10 ppb		96
76)	4-Bromophenyl-phenylether	15.40	248	167729	96.46 ppb		95
77)	Hexachlorobenzene	15.69	284	170362	92.74 ppb		98
78)	Pentachlorophenol	16.16	266	253834	199.44 ppb		98
79)	Phenanthrene	16.45	178	673640	92.73 ppb		97
80)	Anthracene	16.55	178	684463	93.94 ppb		99
81)	Carbazole	17.01	167	576581	95.04 ppb		99
82)	Di-n-butylphthalate	18.11	149	787196	95.80 ppb		99
83)	Fluoranthene	19.18	202	876370	95.10 ppb		99
84)	Octadecane	16.38	57	212015	96.91 ppb		58

(#) = qualifier out of range (m) = manual integration

529

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44506.D Vial: 3
Acq On : 16 Aug 2004 2:44 pm Operator: NINAP
Sample : IC2402-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:18:50 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.55	184	345232	128.74 ppb	98
87)	Pyrene	19.62	202	916918	93.34 ppb	100
89)	Butylbenzylphthalate	21.11	149	371858	91.03 ppb	98
90)	Butyl stearate	21.22	56	140503	92.70 ppb	100
91)	Benzo[a]anthracene	21.92	228	962598	91.86 ppb	99
92)	3,3'-Dichlorobenzidine	21.95	252	312495	89.54 ppb	98
93)	Chrysene	21.99	228	912650	94.82 ppb	99
94)	bis(2-Ethylhexyl)phthalate	22.21	149	517702	93.16 ppb	99
96)	Di-n-octylphthalate	23.20	149	790015	100.42 ppb	99
97)	Benzo[b]fluoranthene	23.68	252	951705	98.64 ppb	98
98)	Benzo[k]fluoranthene	23.73	252	1113786	106.29 ppb	100
99)	Benzo[a]pyrene	24.17	252	849106	100.22 ppb	100
100)	Indeno[1,2,3-cd]pyrene	26.20	276	1050392	102.16 ppb	99
101)	Dibenz(a,h)acridine	25.75	279	788151	100.94 ppb	99
102)	Dibenz[a,h]anthracene	26.23	278	903492	104.30 ppb	99
103)	7,12-Dimethylbenz(a)anthra	23.72	256	497815	104.84 ppb	97
104)	3-Methylcholanthrene	24.79	268	12872	103.05 ppb	91
105)	Benzo[g,h,i]perylene	26.73	276	844461	101.53 ppb	99

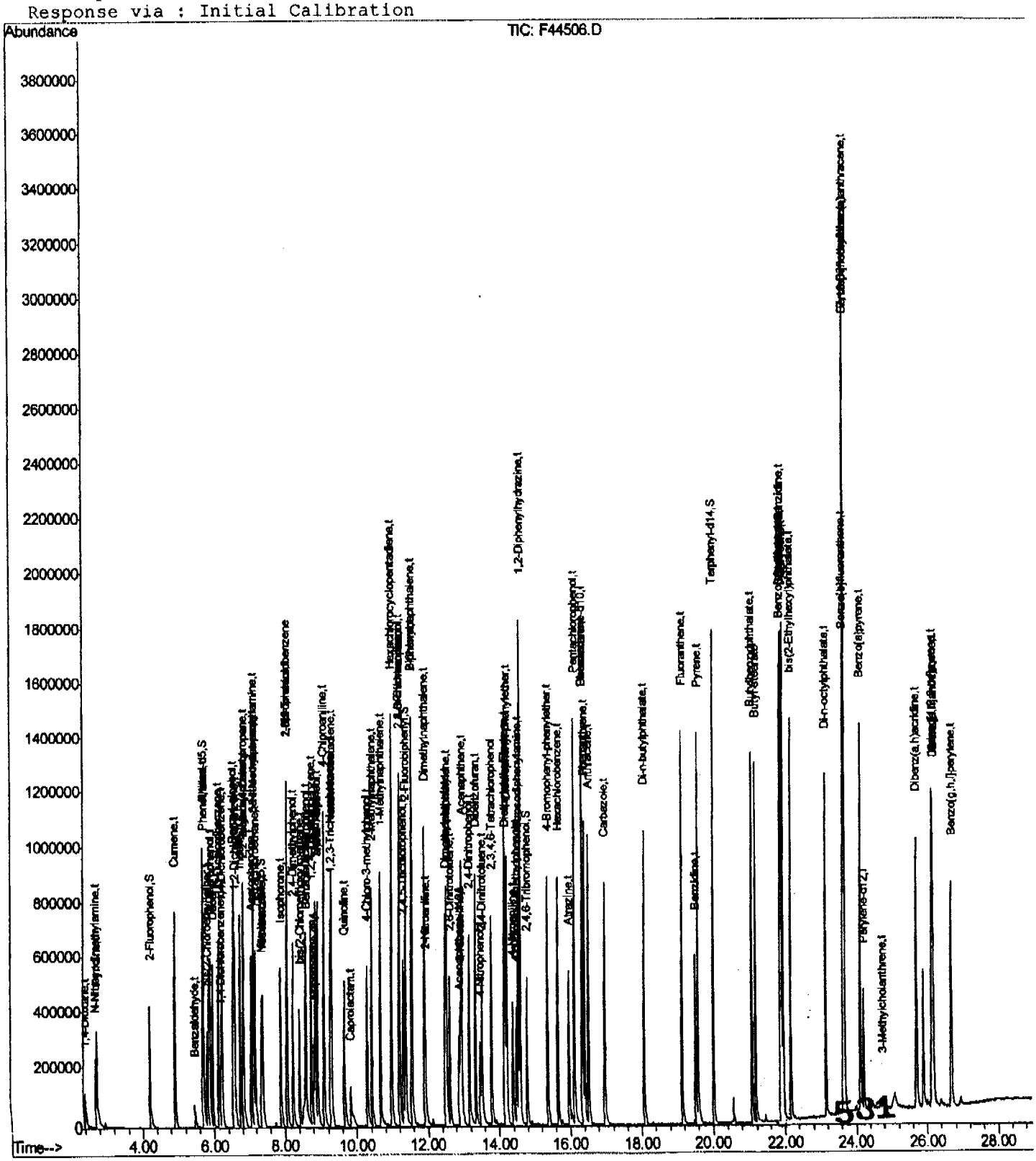
(#) = qualifier out of range (m) = manual integration
F44506.D MF2402.M Tue Aug 17 09:38:49 2004 MSF Page

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44506.D
Acq On : 16 Aug 2004 2:44 pm
Sample : IC2402-100
Misc : OP17679,EF2402
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:20 2004

Vial: 3
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

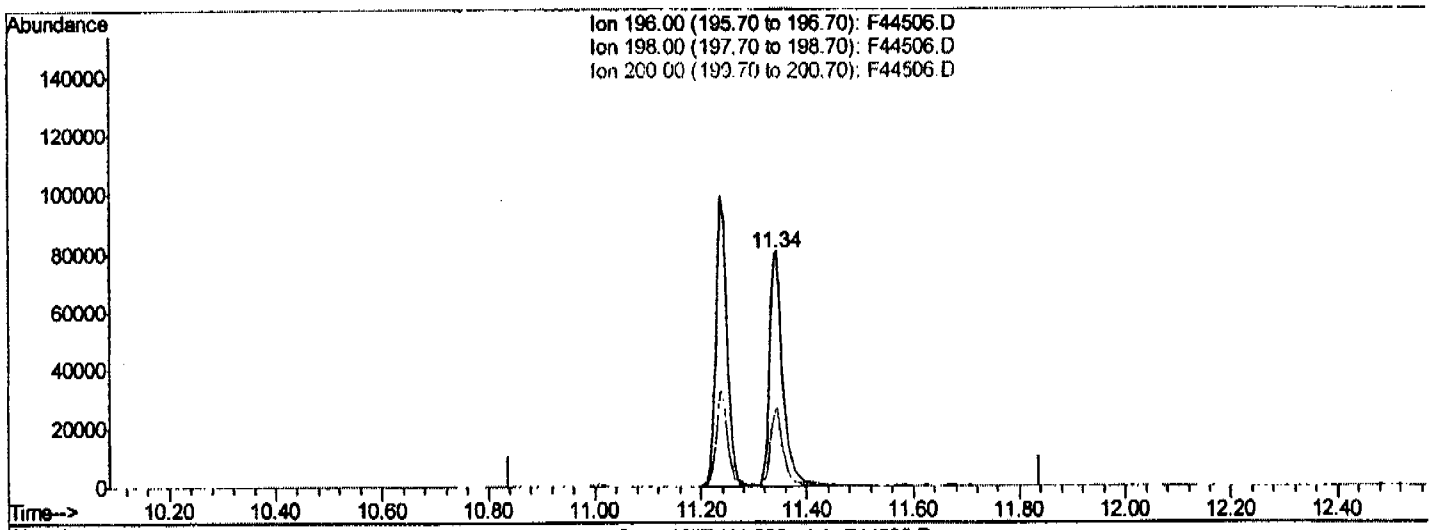
Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration

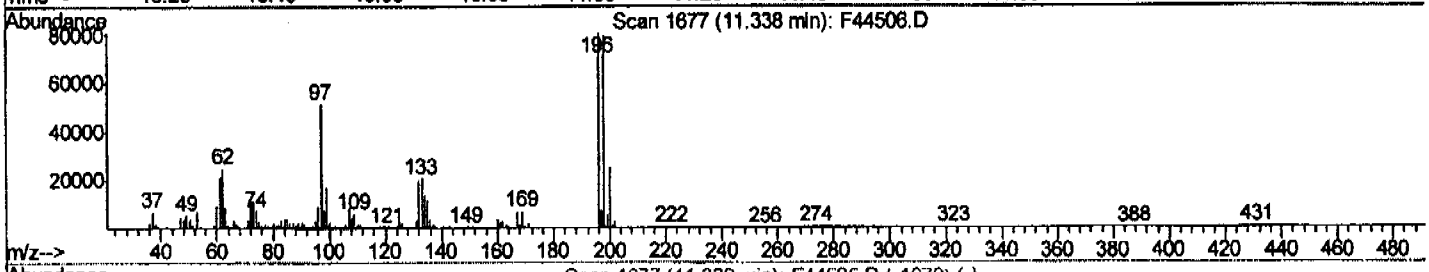


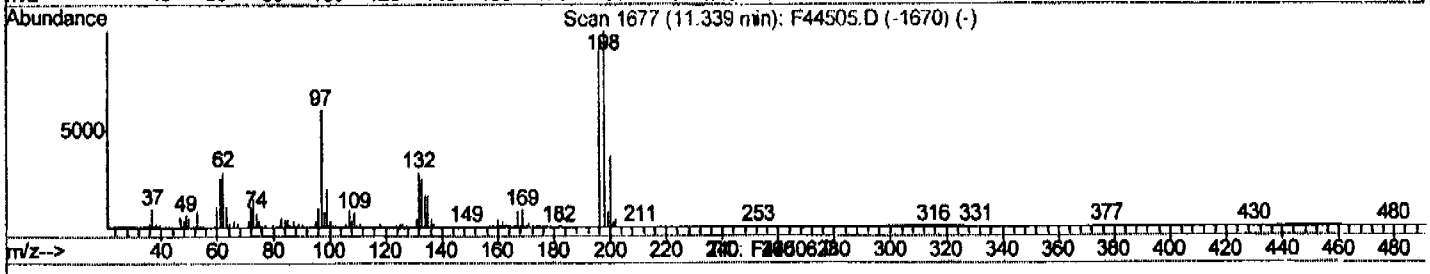
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44506.D Vial: 3
Acq On : 16 Aug 2004 2:44 pm Operator: NINAP
Sample : IC2402-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:20 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(51) 2,4,5-Trichlorophenol (t)

11.34min 96.61ppb m

response 141931

Ion	Exp%	Act%
196.00	100	100
198.00	103.90	98.71
200.00	36.90	31.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44507.D Vial: 4
Acq On : 16 Aug 2004 4:36 pm Operator: NINAP
Sample : IC2402-80 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:13:00 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	43196	40.00 ppb	0.00
25) Naphthalene-d8	8.85	136	162618	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	106540	40.00 ppb	0.00
70) Phenanthrene-d10	16.39	188	241280	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	307676	40.00 ppb	0.00
95) Perylene-d12	24.26	264	197341	40.00 ppb	0.00
106) Naphthalene-d8A	8.85	136	162618	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	106540	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	106917	80.10 ppb	0.00
Spiked Amount 50.000			Recovery	= 160.20%	
8) Phenol-d5	5.72	99	141716	79.82 ppb	0.00
Spiked Amount 50.000			Recovery	= 159.64%	
26) Nitrobenzene-d5	7.38	82	173845	77.26 ppb	0.00
Spiked Amount 50.000			Recovery	= 154.52%	
52) 2-Fluorobiphenyl	11.41	172	325065	76.29 ppb	0.00
Spiked Amount 50.000			Recovery	= 152.58%	
75) 2,4,6-Tribromophenol	14.82	330	56935	73.72 ppb	0.00
Spiked Amount 50.000			Recovery	= 147.44%	
88) Terphenyl-d14	20.05	244	534104	76.04 ppb	0.00
Spiked Amount 50.000			Recovery	= 152.08%	

Target Compounds					Qvalue
2) 1,4-Dioxane	2.42	88	51833	73.68 ppb	98
3) Pyridine	2.75	79	131142	76.14 ppb	97
4) N-Nitrosodimethylamine	2.72	42	78830	77.73 ppb	87
6) Indene	6.77	116	204794	77.40 ppb	98
7) Cumene	4.93	105	298270	77.14 ppb	98
9) Phenol	5.74	94	159613	78.54 ppb	87
10) Aniline	5.72	93	173788	77.79 ppb	99
11) bis(2-Chloroethyl)ether	5.83	93	104981	76.58 ppb	100
12) Benzaldehyde	5.48	105	21961	49.51 ppb	95
13) 2-Chlorophenol	5.92	128	122542	77.30 ppb	91
14) Decane	6.00	43	81941	79.76 ppb	92
15) 1,3-Dichlorobenzene	6.16	146	135905	77.23 ppb	99
16) 1,4-Dichlorobenzene	6.26	146	141182	78.12 ppb	95
17) Benzyl alcohol	6.57	108	80233	82.75 ppb	94
18) 1,2-Dichlorobenzene	6.61	146	131626	77.91 ppb	100
19) Acetophenone	7.08	105	182463	76.49 ppb	99
20) 2-Methylphenol	6.86	108	105414	77.08 ppb	99
21) 2,2'-oxybis(1-Chloropropan	6.87	121	39854	76.09 ppb	86
22) 3&4-Methylphenol	7.16	108	115468	77.34 ppb	89
23) n-Nitroso-di-n-propylamine	7.15	70	114131	80.38 ppb	100
24) Hexachloroethane	7.21	201	64819	76.71 ppb	99
27) Nitrobenzene	7.42	123	57366	78.25 ppb	97
28) Quinoline	9.68	129	238048	79.77 ppb	99
29) Isophorone	7.91	82	269773	76.93 ppb	99
30) 2-Nitrophenol	8.09	139	68029	79.39 ppb	98
31) 2,4-Dimethylphenol	8.26	107	149918	75.77 ppb	96

533

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44507.D Vial: 4
Acq On : 16 Aug 2004 4:36 pm Operator: NINAP
Sample : IC2402-80 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:13:00 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Benzoic acid	8.61	105	108267	93.27 ppb		97
33) bis(2-Chloroethoxy)methane	8.45	93	130575	76.45 ppb		99
34) 2,4-Dichlorophenol	8.62	162	110116	76.28 ppb		97
35) 1,3,5-Trichlorobenzene	8.10	180	134631	75.55 ppb		100
36) 1,2,4-Trichlorobenzene	8.77	180	132476	75.57 ppb		94
37) 1,2,3-Trichlorobenzene	9.31	180	124229	76.62 ppb		98
38) alpha-Terpineol	8.95	59	104089	78.01 ppb		93
39) Naphthalene	8.89	128	365123	76.96 ppb		98
40) 4-Chloroaniline	9.12	127	144750	77.30 ppb		99
41) 2,3-Dichloroaniline	11.23	161	141646	78.20 ppb		99
42) Caprolactam	9.86	55	40031	88.58 ppb		87
43) Hexachlorobutadiene	9.34	225	115636	79.33 ppb		99
44) 4-Chloro-3-methylphenol	10.33	107	129248	79.85 ppb	#	67
45) 2-Methylnaphthalene	10.46	142	258492	79.19 ppb		99
46) 1-Methylnaphthalene	10.71	142	257497	79.98 ppb		97
47) Dimethylnaphthalene	11.94	156	256287	78.99 ppb		97
49) Hexachlorocyclopentadiene	11.01	237	247758	150.50 ppb		93
50) 2,4,6-Trichlorophenol	11.24	196	104585	77.64 ppb		96
51) 2,4,5-Trichlorophenol	11.34	196	105928	76.39 ppb		99
53) 2-Chloronaphthalene	11.58	162	263622	76.82 ppb		96
54) Biphenyl	11.60	154	365446	77.41 ppb		96
55) 2-Nitroaniline	11.96	65	99872	74.03 ppb		91
56) Dimethylphthalate	12.52	163	322425	76.14 ppb		98
57) Acenaphthylene	12.55	152	404110	77.56 ppb		96
58) 2,6-Dinitrotoluene	12.65	165	69729	78.11 ppb		97
59) 3-Nitroaniline	12.96	138	64485	78.27 ppb		93
60) Acenaphthene	12.99	153	273189	76.47 ppb		95
61) 2,4-Dinitrophenol	13.20	184	102832	161.55 ppb		89
62) 4-Nitrophenol	13.51	109	80441	78.38 ppb		95
63) Dibenzofuran	13.38	168	382470	77.90 ppb		97
64) 2,4-Dinitrotoluene	13.57	165	103500	79.48 ppb		96
65) 2,3,4,6-Tetrachlorophenol	13.83	232	106526	79.91 ppb		98
66) Diethylphthalate	14.21	149	370117	77.41 ppb		98
67) Fluorene	14.19	166	342371	78.05 ppb		99
68) 4-Chlorophenyl-phenylether	14.26	204	186094	77.41 ppb		98
69) 4-Nitroaniline	14.43	138	65361	78.22 ppb		91
71) 4,6-Dinitro-2-methylphenol	14.52	198	72861	74.13 ppb		86
72) Atrazine	16.00	200	98869	69.65 ppb		97
73) n-Nitrosodiphenylamine	14.58	169	238584	73.45 ppb		98
74) 1,2-Diphenylhydrazine	14.63	77	845072	148.92 ppb		97
76) 4-Bromophenyl-phenylether	15.40	248	122966	74.19 ppb		98
77) Hexachlorobenzene	15.69	284	127049	72.56 ppb		95
78) Pentachlorophenol	16.16	266	183942	151.62 ppb		99
79) Phenanthrene	16.44	178	498771	72.03 ppb		98
80) Anthracene	16.55	178	511919	73.71 ppb		98
81) Carbazole	17.01	167	434270	75.10 ppb		98
82) Di-n-butylphthalate	18.10	149	585883	74.80 ppb		99
83) Fluoranthene	19.18	202	648435	73.82 ppb		99
84) Octadecane	16.38	57	155542	74.58 ppb		99

QC 534

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44507.D Vial: 4
Acq On : 16 Aug 2004 4:36 pm Operator: NINAP
Sample : IC2402-80 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:13:00 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.55	184	285595	114.46 ppb	99
87)	Pyrene	19.62	202	684153	74.85 ppb	99
89)	Butylbenzylphthalate	21.11	149	278344	73.24 ppb	99
90)	Butyl stearate	21.22	56	106598	75.59 ppb	99
91)	Benzo[a]anthracene	21.92	228	713194	73.15 ppb	99
92)	3,3'-Dichlorobenzidine	21.95	252	228471	70.36 ppb	94
93)	Chrysene	21.99	228	690889	77.15 ppb	98
94)	bis(2-Ethylhexyl)phthalate	22.21	149	387213	74.89 ppb	98
96)	Di-n-octylphthalate	23.19	149	587595	76.42 ppb	99
97)	Benzo[b]fluoranthene	23.68	252	739270	78.40 ppb	100
98)	Benzo[k]fluoranthene	23.72	252	773854	75.56 ppb	100
99)	Benzo[a]pyrene	24.17	252	629115	75.98 ppb	100
100)	Indeno[1,2,3-cd]pyrene	26.18	276	761284	75.76 ppb	100
101)	Dibenz(a,h)acridine	25.75	279	574460	75.28 ppb	99
102)	Dibenz[a,h]anthracene	26.22	278	654540	77.31 ppb	99
103)	7,12-Dimethylbenz(a)anthra	23.71	256	353924	76.27 ppb	97
104)	3-Methylcholanthrene	24.79	268	10385	85.07 ppb	93
105)	Benzo[g,h,i]perylene	26.72	276	620533	76.34 ppb	98

08/17/04

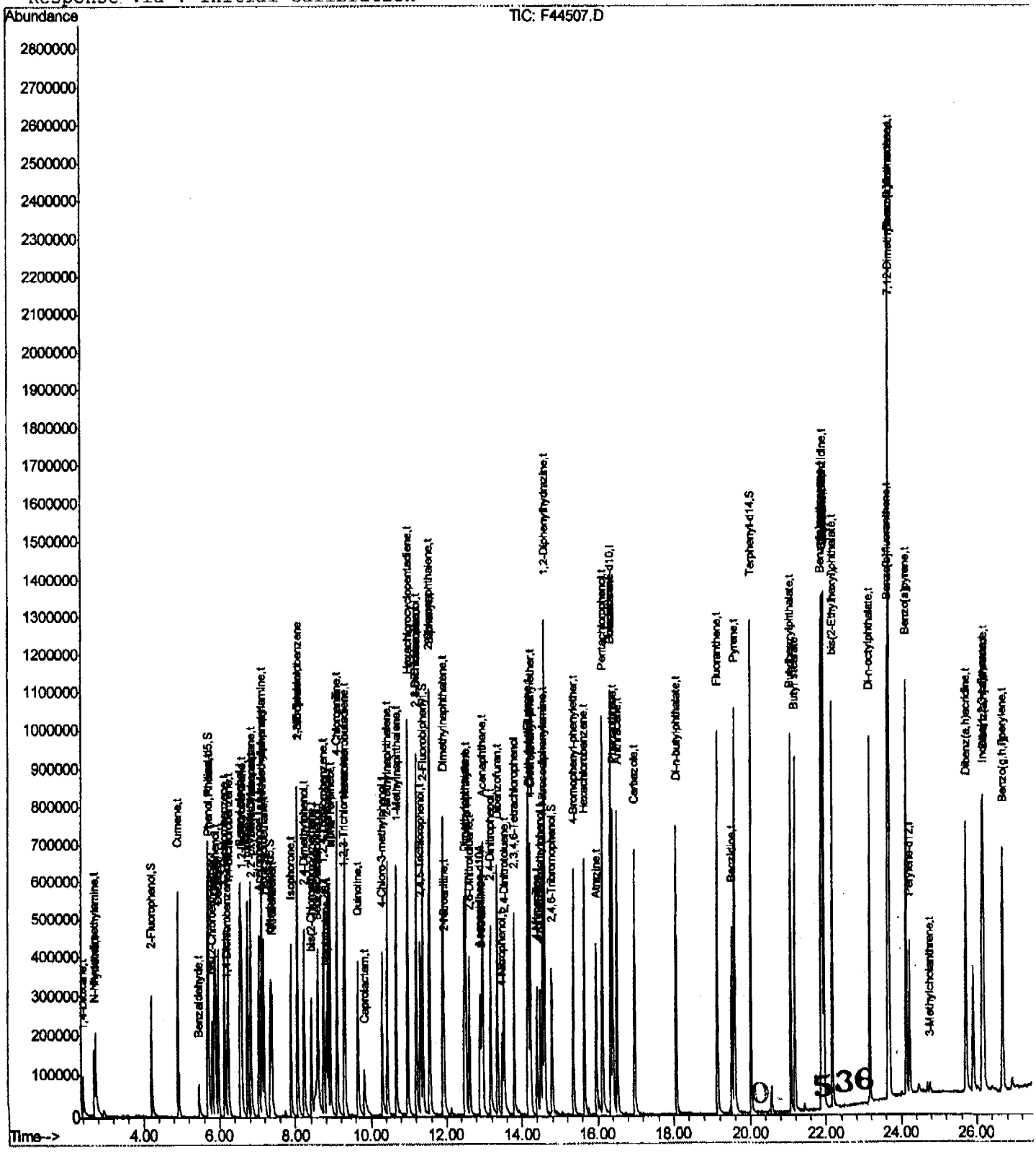
(#) = qualifier out of range (m) = manual integration
F44507.D MF2402.M Tue Aug 17 09:39:55 2004 MSF Page

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44507.D
Acq On : 16 Aug 2004 4:36 pm
Sample : IC2402-80
Misc : OP17679,EF2402
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:13 2004

Vial: 4
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44508.D Vial: 5
Acq On : 16 Aug 2004 6:24 pm Operator: NINAP
Sample : IC2402-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:10:48 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	57542	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	219857	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	141248	40.00 ppb	0.00
70) Phenanthrene-d10	16.39	188	295819	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	389135	40.00 ppb	0.00
95) Perylene-d12	24.25	264	260728	40.00 ppb	0.00
106) Naphthalene-d8A	8.84	136	219857	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	141248	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	42878	24.11 ppb	0.00
Spiked Amount 50.000			Recovery = 48.22%		
8) Phenol-d5	5.71	99	55092	23.29 ppb	0.00
Spiked Amount 50.000			Recovery = 46.58%		
26) Nitrobenzene-d5	7.38	82	70209	23.08 ppb	0.00
Spiked Amount 50.000			Recovery = 46.16%		
52) 2-Fluorobiphenyl	11.40	172	133009	23.55 ppb	0.00
Spiked Amount 50.000			Recovery = 47.10%		
75) 2,4,6-Tribromophenol	14.82	330	23046	24.34 ppb	0.00
Spiked Amount 50.000			Recovery = 48.68%		
88) Terphenyl-d14	20.05	244	210522	23.70 ppb	0.00
Spiked Amount 50.000			Recovery = 47.40%		

Target Compounds					Qvalue
2) 1,4-Dioxane	2.42	88	22266	23.76 ppb	99
3) Pyridine	2.75	79	56926	24.81 ppb	98
4) N-Nitrosodimethylamine	2.72	42	32192	23.83 ppb	93
6) Indene	6.76	116	85518	24.26 ppb	97
7) Cumene	4.93	105	123486	23.97 ppb	97
9) Phenol	5.73	94	63766	23.55 ppb	94
10) Aniline	5.72	93	66876	22.47 ppb	89
11) bis(2-Chloroethyl)ether	5.83	93	43427	23.78 ppb	98
12) Benzaldehyde	5.48	105	21308	36.06 ppb	94
13) 2-Chlorophenol	5.92	128	49613	23.49 ppb	92
14) Decane	5.99	43	34071	24.89 ppb	91
15) 1,3-Dichlorobenzene	6.16	146	55894	23.84 ppb	97
16) 1,4-Dichlorobenzene	6.26	146	58744	24.40 ppb	87
17) Benzyl alcohol	6.57	108	31607	24.47 ppb	100
18) 1,2-Dichlorobenzene	6.61	146	54392	24.17 ppb	98
19) Acetophenone	7.08	105	77936	24.53 ppb	99
20) 2-Methylphenol	6.86	108	42807	23.50 ppb	98
21) 2,2'-oxybis(1-Chloropropan	6.87	121	16782	24.05 ppb	97
22) 3&4-Methylphenol	7.16	108	45094	22.67 ppb	89
23) n-Nitroso-di-n-propylamine	7.14	70	47009	24.85 ppb	94
24) Hexachloroethane	7.21	201	28370	25.20 ppb	91
27) Nitrobenzene	7.41	123	23326	23.53 ppb	98
28) Quinoline	9.67	129	96685	23.96 ppb	97
29) Isophorone	7.91	82	110034	23.21 ppb	98
30) 2-Nitrophenol	8.10	139	26182	22.60 ppb	89
31) 2,4-Dimethylphenol	8.26	107	56233	21.02 ppb	88

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44508.D Vial: 5
Acq On : 16 Aug 2004 6:24 pm Operator: NINAP
Sample : IC2402-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:10:48 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	Benzoic acid	8.53	105	38286	24.40	ppb		95
33)	bis(2-Chloroethoxy)methane	8.44	93	54360	23.54	ppb		100
34)	2,4-Dichlorophenol	8.62	162	43190	22.13	ppb		98
35)	1,3,5-Trichlorobenzene	8.09	180	54390	22.58	ppb		100
36)	1,2,4-Trichlorobenzene	8.77	180	52802	22.28	ppb		89
37)	1,2,3-Trichlorobenzene	9.30	180	51474	23.48	ppb		98
38)	alpha-Terpineol	8.94	59	42710	23.68	ppb		88
39)	Naphthalene	8.89	128	150917	23.53	ppb		97
40)	4-Chloroaniline	9.12	127	57436	22.69	ppb		97
41)	2,3-Dichloroaniline	11.23	161	55923	22.84	ppb		97
42)	Caprolactam	9.82	55	15408	25.22	ppb		84
43)	Hexachlorobutadiene	9.34	225	47145	23.92	ppb		98
44)	4-Chloro-3-methylphenol	10.32	107	48601	22.21	ppb	#	34
45)	2-Methylnaphthalene	10.46	142	104028	23.57	ppb		97
46)	1-Methylnaphthalene	10.70	142	104711	24.06	ppb		98
47)	Dimethylnaphthalene	11.93	156	101152	23.06	ppb		96
49)	Hexachlorocyclopentadiene	11.01	237	89890	41.18	ppb		96
50)	2,4,6-Trichlorophenol	11.23	196	38663	21.65	ppb		93
51)	2,4,5-Trichlorophenol	11.33	196	41321	22.48	ppb		93
53)	2-Chloronaphthalene	11.57	162	104261	22.92	ppb		98
54)	Biphenyl	11.59	154	144703	23.12	ppb		95
55)	2-Nitroaniline	11.96	65	39597	22.14	ppb		93
56)	Dimethylphthalate	12.51	163	128625	22.91	ppb		98
57)	Acenaphthylene	12.55	152	164229	23.77	ppb		95
58)	2,6-Dinitrotoluene	12.64	165	27567	23.29	ppb		97
59)	3-Nitroaniline	12.96	138	24672	22.59	ppb		94
60)	Acenaphthene	12.99	153	107336	22.66	ppb		97
61)	2,4-Dinitrophenol	13.20	184	34878	41.33	ppb		96
62)	4-Nitrophenol	13.52	109	29244	21.49	ppb		93
63)	Dibenzofuran	13.38	168	150423	23.11	ppb		97
64)	2,4-Dinitrotoluene	13.57	165	40071	23.21	ppb		95
65)	2,3,4,6-Tetrachlorophenol	13.83	232	41481	23.47	ppb		98
66)	Diethylphthalate	14.21	149	146196	23.06	ppb		96
67)	Fluorene	14.19	166	132051	22.71	ppb		96
68)	4-Chlorophenyl-phenylether	14.26	204	73259	22.98	ppb		96
69)	4-Nitroaniline	14.41	138	22720	20.51	ppb		96
71)	4,6-Dinitro-2-methylphenol	14.51	198	26861	22.29	ppb	#	67
72)	Atrazine	15.99	200	39649	22.78	ppb		98
73)	n-Nitrosodiphenylamine	14.57	169	93381	23.45	ppb		95
74)	1,2-Diphenylhydrazine	14.62	77	330284	47.47	ppb		99
76)	4-Bromophenyl-phenylether	15.39	248	49654	24.43	ppb		97
77)	Hexachlorobenzene	15.69	284	50339	23.45	ppb		98
78)	Pentachlorophenol	16.15	266	64725	43.52	ppb		93
79)	Phenanthrene	16.44	178	200787	23.65	ppb		98
80)	Anthracene	16.54	178	201618	23.68	ppb		99
81)	Carbazole	17.00	167	167057	23.56	ppb		99
82)	Di-n-butylphthalate	18.10	149	225741	23.51	ppb		100
83)	Fluoranthene	19.18	202	252295	23.43	ppb		98
84)	Octadecane	16.38	57	63469	24.82	ppb		98

538

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44508.D Vial: 5
Acq On : 16 Aug 2004 6:24 pm Operator: NINAP
Sample : IC2402-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:10:48 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.55	184	91911	29.13 ppb	98
87)	Pyrene	19.62	202	268964	23.27 ppb	99
89)	Butylbenzylphthalate	21.10	149	105017	21.85 ppb	91
90)	Butyl stearate	21.21	56	39097	21.92 ppb	96
91)	Benzo[a]anthracene	21.91	228	274921	22.29 ppb	99
92)	3,3'-Dichlorobenzidine	21.94	252	91641	22.31 ppb	98
93)	Chrysene	21.99	228	266157	23.50 ppb	98
94)	bis(2-Ethylhexyl)phthalate	22.20	149	144257	22.06 ppb	99
96)	Di-n-octylphthalate	23.19	149	208488	20.52 ppb	98
97)	Benzo[b]fluoranthene	23.67	252	262615	21.08 ppb	99
98)	Benzo[k]fluoranthene	23.71	252	300019	22.17 ppb	99
99)	Benzo[a]pyrene	24.16	252	242479	22.17 ppb	98
100)	Indeno[1,2,3-cd]pyrene	26.18	276	295348	22.25 ppb	97
101)	Dibenz(a,h)acridine	25.74	279	228932	22.71 ppb	98
102)	Dibenz[a,h]anthracene	26.21	278	251926	22.52 ppb	98
103)	7,12-Dimethylbenz(a)anthra	23.70	256	124480	20.30 ppb	97
104)	3-Methylcholanthrene	24.80	268	4635	28.74 ppb	77
105)	Benzo[g,h,i]perylene	26.71	276	245299	22.84 ppb	99

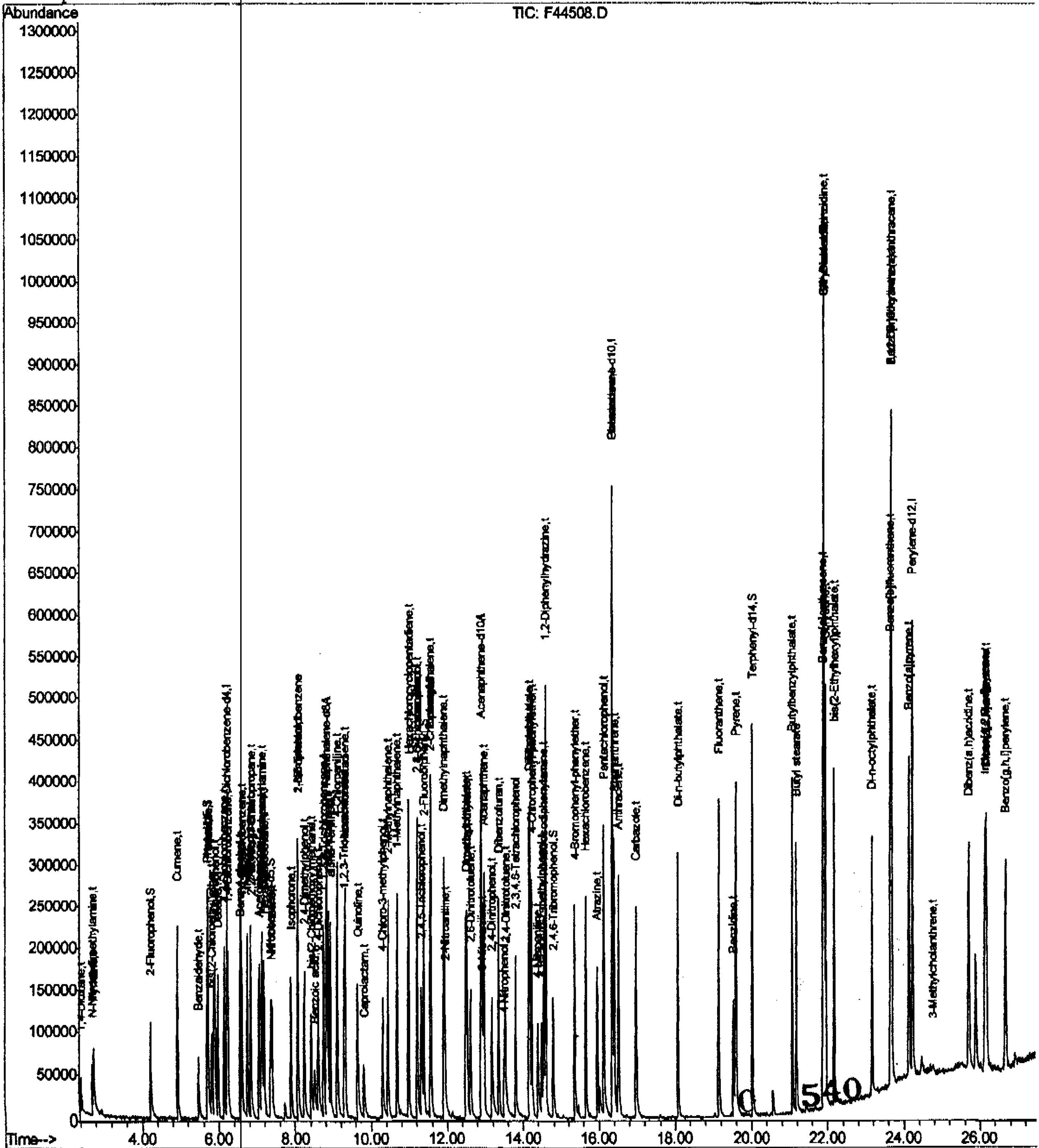
8/17/04

(#) = qualifier out of range (m) = manual integration
F44508.D MF2402.M Tue Aug 17 09:41:07 2004 MSF Page

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44508.D Vial: 5
Acq On : 16 Aug 2004 6:24 pm Operator: NINAP
Sample : IC2402-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:11 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44509.D Vial: 6
Acq On : 16 Aug 2004 7:01 pm Operator: NINAP
Sample : IC2402-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:11:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	65970	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	247709	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	156079	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	325735	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	428352	40.00 ppb	0.00
95) Perylene-d12	24.25	264	296419	40.00 ppb	0.00
106) Naphthalene-d8A	8.84	136	247709	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	156079	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.24	112	18141	8.90 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.80%	
8) Phenol-d5	5.72	99	23864	8.80 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.60%	
26) Nitrobenzene-d5	7.38	82	30066	8.77 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.54%	
52) 2-Fluorobiphenyl	11.40	172	55475	8.89 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.78%	
75) 2,4,6-Tribromophenol	14.82	330	8894	8.53 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.06%	
88) Terphenyl-d14	20.05	244	84593	8.65 ppb	0.00
Spiked Amount 50.000			Recovery	= 17.30%	

Target Compounds					Qvalue
2) 1,4-Dioxane	2.43	88	10345	9.63 ppb	97
3) Pyridine	2.77	79	24499	9.31 ppb	89
4) N-Nitrosodimethylamine	2.73	42	13421	8.67 ppb	92
6) Indene	6.77	116	37453	9.27 ppb	97
7) Cumene	4.93	105	54678	9.26 ppb	97
9) Phenol	5.74	94	28515	9.19 ppb	86
10) Aniline	5.72	93	30536	8.95 ppb	99
11) bis(2-Chloroethyl)ether	5.83	93	18318	8.75 ppb	88
12) Benzaldehyde	5.48	105	13176	19.45 ppb	92
13) 2-Chlorophenol	5.92	128	21140	8.73 ppb	96
14) Decane	5.99	43	15773	10.05 ppb	82
15) 1,3-Dichlorobenzene	6.16	146	23817	8.86 ppb	98
16) 1,4-Dichlorobenzene	6.26	146	25317	9.17 ppb	95
17) Benzyl alcohol	6.57	108	13495	9.11 ppb	86
18) 1,2-Dichlorobenzene	6.62	146	22876	8.87 ppb	96
19) Acetophenone	7.08	105	33119	9.09 ppb	98
20) 2-Methylphenol	6.86	108	17618	8.44 ppb	74
21) 2,2'-oxybis(1-Chloropropan	6.86	121	7700	9.63 ppb	79
22) 3&4-Methylphenol	7.16	108	19863	8.71 ppb	97
23) n-Nitroso-di-n-propylamine	7.14	70	19976	9.21 ppb	90
24) Hexachloroethane	7.21	201	12178	9.44 ppb	97
27) Nitrobenzene	7.42	123	9492	8.50 ppb	88
28) Quinoline	9.68	129	41132	9.05 ppb	92
29) Isophorone	7.91	82	49270	9.22 ppb	96
30) 2-Nitrophenol	8.10	139	10457	8.01 ppb	0
31) 2,4-Dimethylphenol	8.26	107	24789	8.22 ppb	93

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44509.D Vial: 6
Acq On : 16 Aug 2004 7:01 pm Operator: NINAP
Sample : IC2402-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:11:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Benzoic acid	8.50	105	14380	8.13 ppb		92
33) bis(2-Chloroethoxy)methane	8.45	93	23697	9.11 ppb		97
34) 2,4-Dichlorophenol	8.63	162	18619	8.47 ppb		90
35) 1,3,5-Trichlorobenzene	8.10	180	24403	8.99 ppb		98
36) 1,2,4-Trichlorobenzene	8.77	180	23211	8.69 ppb		89
37) 1,2,3-Trichlorobenzene	9.31	180	22074	8.94 ppb		98
38) alpha-Terpineol	8.94	59	17475	8.60 ppb		91
39) Naphthalene	8.89	128	68874	9.53 ppb		95
40) 4-Chloroaniline	9.12	127	25321	8.88 ppb		95
41) 2,3-Dichloroaniline	11.23	161	24525	8.89 ppb		96
42) Caprolactam	9.82	55	6143	8.92 ppb		88
43) Hexachlorobutadiene	9.34	225	20949	9.44 ppb		96
44) 4-Chloro-3-methylphenol	10.32	107	20618	8.36 ppb		94
45) 2-Methylnaphthalene	10.46	142	44252	8.90 ppb		96
46) 1-Methylnaphthalene	10.70	142	44985	9.17 ppb		98
47) Dimethylnaphthalene	11.94	156	45385	9.18 ppb		96
49) Hexachlorocyclopentadiene	11.01	237	34478	14.30 ppb		97
50) 2,4,6-Trichlorophenol	11.24	196	16166	8.19 ppb		96
51) 2,4,5-Trichlorophenol	11.34	196	17171	8.45 ppb		92
53) 2-Chloronaphthalene	11.57	162	45433	9.04 ppb		98
54) Biphenyl	11.59	154	64887	9.38 ppb		100
55) 2-Nitroaniline	11.96	65	15460	7.82 ppb		97
56) Dimethylphthalate	12.51	163	56196	9.06 ppb		100
57) Acenaphthylene	12.55	152	67605	8.86 ppb		97
58) 2,6-Dinitrotoluene	12.64	165	10901	8.34 ppb		93
59) 3-Nitroaniline	12.97	138	10516	8.71 ppb	#	65
60) Acenaphthene	12.99	153	48036	9.18 ppb		90
61) 2,4-Dinitrophenol	13.21	184	11144	11.95 ppb		82
62) 4-Nitrophenol	13.54	109	9582	6.37 ppb		86
63) Dibenzofuran	13.38	168	66765	9.28 ppb		97
64) 2,4-Dinitrotoluene	13.56	165	16697	8.75 ppb		77
65) 2,3,4,6-Tetrachlorophenol	13.83	232	16470	8.43 ppb		99
66) Diethylphthalate	14.20	149	61757	8.82 ppb		98
67) Fluorene	14.19	166	56356	8.77 ppb		95
68) 4-Chlorophenyl-phenylether	14.26	204	32514	9.23 ppb		98
69) 4-Nitroaniline	14.42	138	9490	7.75 ppb	#	77
71) 4,6-Dinitro-2-methylphenol	14.51	198	9896	7.46 ppb		93
72) Atrazine	15.98	200	16130	8.42 ppb		88
73) n-Nitrosodiphenylamine	14.57	169	40627	9.27 ppb		93
74) 1,2-Diphenylhydrazine	14.62	77	140181	18.30 ppb		99
76) 4-Bromophenyl-phenylether	15.39	248	19400	8.67 ppb		90
77) Hexachlorobenzene	15.69	284	22063	9.33 ppb		95
78) Pentachlorophenol	16.16	266	24572	15.00 ppb		85
79) Phenanthrene	16.44	178	85945	9.19 ppb		96
80) Anthracene	16.54	178	85110	9.08 ppb		94
81) Carbazole	17.00	167	71502	9.16 ppb		94
82) Di-n-butylphthalate	18.10	149	90572	8.57 ppb		98
83) Fluoranthene	19.18	202	106857	9.01 ppb		94
84) Octadecane	16.38	57	25574	9.08 ppb		97

(#) = qualifier out of range (m) = manual integration

OC 542

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44509.D Vial: 6
Acq On : 16 Aug 2004 7:01 pm Operator: NINAP
Sample : IC2402-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 08:11:52 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

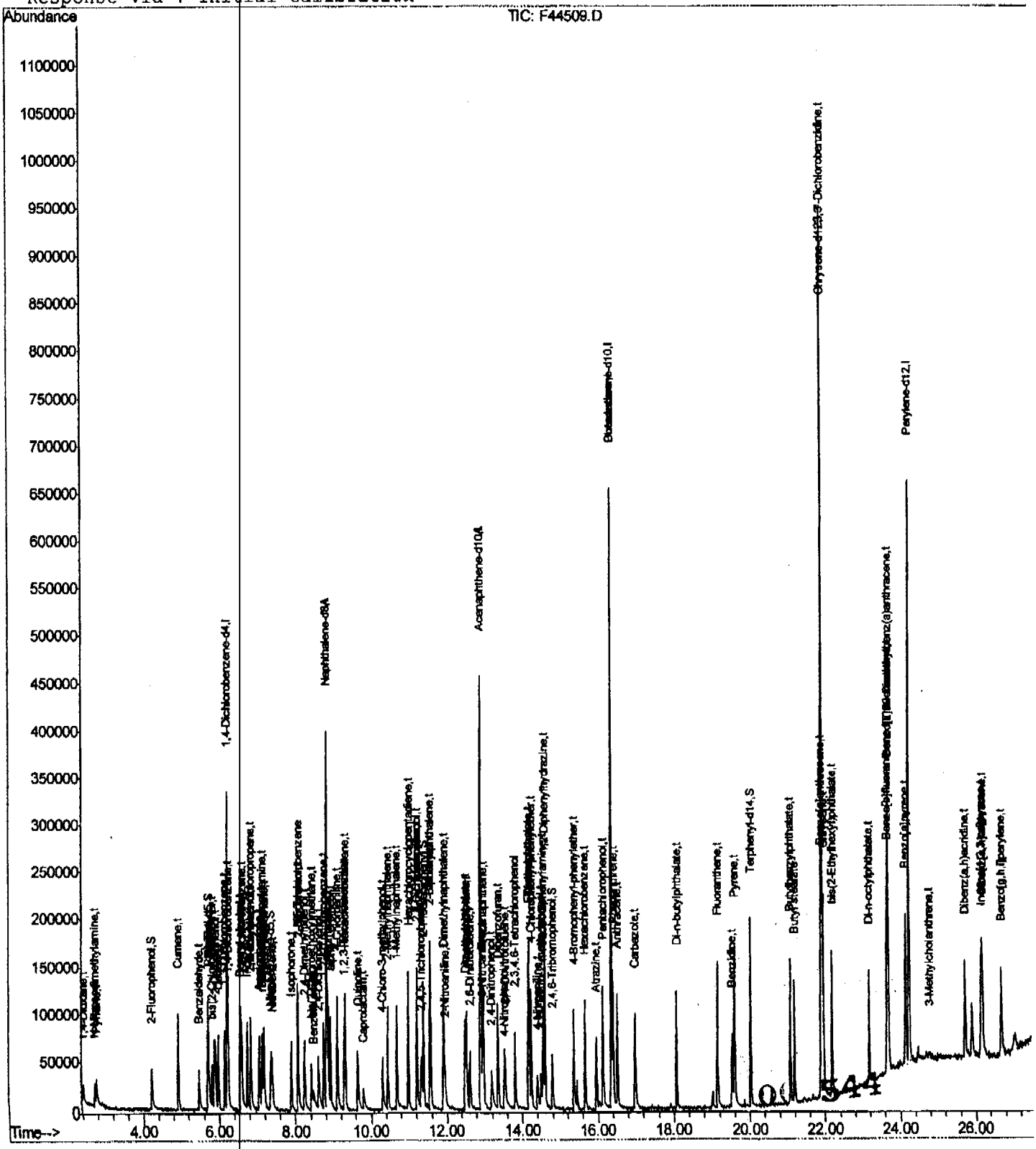
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.55	184	57697	16.61 ppb	96
87)	Pyrene	19.62	202	112614	8.85 ppb	99
89)	Butylbenzylphthalate	21.10	149	41865	7.91 ppb	98
90)	Butyl stearate	21.21	56	15727	8.01 ppb	88
91)	Benzo[a]anthracene	21.91	228	115261	8.49 ppb	97
92)	3,3'-Dichlorobenzidine	21.95	252	40340	8.92 ppb	99
93)	Chrysene	21.99	228	114124	9.15 ppb	99
94)	bis(2-Ethylhexyl)phthalate	22.20	149	57130	7.94 ppb	96
96)	Di-n-octylphthalate	23.19	149	79771	6.91 ppb	99
97)	Benzo[b]fluoranthene	23.67	252	112991	7.98 ppb	98
98)	Benzo[k]fluoranthene	23.71	252	122909	7.99 ppb	99
99)	Benzo[a]pyrene	24.16	252	99901	8.03 ppb	98
100)	Indeno[1,2,3-cd]pyrene	26.17	276	122182	8.10 ppb	92
101)	Dibenz(a,h)acridine	25.74	279	91643	8.00 ppb	100
102)	Dibenz[a,h]anthracene	26.21	278	100686	7.92 ppb	98
103)	7,12-Dimethylbenz(a)anthra	23.70	256	50143	7.19 ppb	98
104)	3-Methylcholanthrene	24.79	268	2400	13.09 ppb	77
105)	Benzo[g,h,i]perylene	26.70	276	99819	8.18 ppb	97

(#) = qualifier out of range (m) = manual integration
F44509.D MF2402.M Tue Aug 17 09:55:21 2004 MSF Page

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44509.D Vial: 6
Acq On : 16 Aug 2004 7:01 pm Operator: NINAP
Sample : IC2402-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:12 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:51:19 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	45912	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	178365	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	109372	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	226886	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	301510	40.00 ppb	0.00
95) Perylene-d12	24.26	264	207773	40.00 ppb	0.00
106) Naphthalene-d8A	8.84	136	178365	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	109372	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.24	112	5446	3.84 ppb	0.01
Spiked Amount 50.000			Recovery	= 7.68%	
8) Phenol-d5	5.72	99	7805	4.14 ppb	0.00
Spiked Amount 50.000			Recovery	= 8.28%	
26) Nitrobenzene-d5	7.39	82	10449	4.23 ppb	0.00
Spiked Amount 50.000			Recovery	= 8.46%	
52) 2-Fluorobiphenyl	11.41	172	20408	4.67 ppb	0.00
Spiked Amount 50.000			Recovery	= 9.34%	
75) 2,4,6-Tribromophenol	14.82	330	3318	4.57 ppb	0.00
Spiked Amount 50.000			Recovery	= 9.14%	
88) Terphenyl-d14	20.05	244	30357	4.41 ppb	0.00
Spiked Amount 50.000			Recovery	= 8.82%	

Target Compounds						Qvalue
2) 1,4-Dioxane	2.43	88	3842	5.14 ppb	#	87
3) Pyridine	2.79	79	7387	4.04 ppb		82
4) N-Nitrosodimethylamine	2.74	42	4659	4.32 ppb	#	55
6) Indene	6.77	116	14361	5.11 ppb		85
7) Cumene	4.93	105	19983	4.86 ppb		96
9) Phenol	5.75	94	9380	4.34 ppb		82
10) Aniline	5.73	93	10630	4.48 ppb		87
11) bis(2-Chloroethyl)ether	5.84	93	6145	4.22 ppb		97
12) Benzaldehyde	5.49	105	4879	10.35 ppb		84
13) 2-Chlorophenol	5.92	128	7488	4.44 ppb		92
14) Decane	5.99	43	5804	5.32 ppb		90
15) 1,3-Dichlorobenzene	6.16	146	9802	5.24 ppb		90
16) 1,4-Dichlorobenzene	6.26	146	9482	4.94 ppb		75
17) Benzyl alcohol	6.58	108	4128	4.01 ppb	#	67
18) 1,2-Dichlorobenzene	6.62	146	8843	4.92 ppb		93
19) Acetophenone	7.09	105	12777	5.04 ppb		88
20) 2-Methylphenol	6.86	108	7268	5.00 ppb		75
21) 2,2'-oxybis(1-Chloropropan	6.87	121	3022	5.43 ppb	#	71
22) 3&4-Methylphenol	7.17	108	6394	4.03 ppb	#	70
23) n-Nitroso-di-n-propylamine	7.15	70	7005	4.64 ppb		99
24) Hexachloroethane	7.21	201	4736	5.27 ppb		78
27) Nitrobenzene	7.42	123	3059	3.80 ppb		90
28) Quinoline	9.68	129	14231	4.35 ppb		89
29) Isophorone	7.92	82	15949	4.15 ppb		94
30) 2-Nitrophenol	8.10	139	4104	4.37 ppb		94
31) 2,4-Dimethylphenol	8.26	107	9224	4.25 ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:51:19 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Benzoic acid	8.49	105	5350m	4.20 ppb		
33) bis(2-Chloroethoxy)methane	8.44	93	8643	4.61 ppb		91
34) 2,4-Dichlorophenol	8.65	162	5990	3.78 ppb		96
35) 1,3,5-Trichlorobenzene	8.09	180	8882	4.54 ppb		97
36) 1,2,4-Trichlorobenzene	8.77	180	8534	4.44 ppb		94
37) 1,2,3-Trichlorobenzene	9.30	180	8588	4.83 ppb		99
38) alpha-Terpineol	8.95	59	6266	4.28 ppb		91
39) Naphthalene	8.89	128	25746	4.95 ppb		94
40) 4-Chloroaniline	9.13	127	8754	4.26 ppb		90
41) 2,3-Dichloroaniline	11.23	161	8429	4.24 ppb		97
42) Caprolactam	9.83	55	1875	3.78 ppb	#	54
43) Hexachlorobutadiene	9.34	225	7719	4.83 ppb		87
44) 4-Chloro-3-methylphenol	10.33	107	7254	4.09 ppb		77
45) 2-Methylnaphthalene	10.46	142	16432	4.59 ppb		98
46) 1-Methylnaphthalene	10.71	142	17745	5.03 ppb		93
47) Dimethylnaphthalene	11.93	156	14961	4.20 ppb		93
49) Hexachlorocyclopentadiene	11.01	237	11174	6.61 ppb		99
50) 2,4,6-Trichlorophenol	11.24	196	6385	4.62 ppb		88
51) 2,4,5-Trichlorophenol	11.36	196	6184m	4.34 ppb		
53) 2-Chloronaphthalene	11.57	162	16604	4.71 ppb		88
54) Biphenyl	11.59	154	23200	4.79 ppb		94
55) 2-Nitroaniline	11.98	65	3667	2.65 ppb		79
56) Dimethylphthalate	12.51	163	19260	4.43 ppb		95
57) Acenaphthylene	12.55	152	23009	4.30 ppb		99
58) 2,6-Dinitrotoluene	12.65	165	3628	3.96 ppb		80
59) 3-Nitroaniline	12.98	138	3227	3.82 ppb	#	56
60) Acenaphthene	12.98	153	17301	4.72 ppb		96
61) 2,4-Dinitrophenol	13.22	184	3617m	5.54 ppb		
62) 4-Nitrophenol	13.60	109	3500m	3.32 ppb		
63) Dibenzofuran	13.37	168	23473	4.66 ppb		95
64) 2,4-Dinitrotoluene	13.58	165	5081	3.80 ppb		95
65) 2,3,4,6-Tetrachlorophenol	13.83	232	5481	4.01 ppb		90
66) Diethylphthalate	14.20	149	22108	4.50 ppb		92
67) Fluorene	14.19	166	20298	4.51 ppb		96
68) 4-Chlorophenyl-phenylether	14.26	204	11588	4.70 ppb		95
69) 4-Nitroaniline	14.43	138	3554m	4.14 ppb		
71) 4,6-Dinitro-2-methylphenol	14.52	198	2660	2.88 ppb		76
72) Atrazine	15.99	200	5684	4.26 ppb		92
73) n-Nitrosodiphenylamine	14.57	169	14257	4.67 ppb		97
74) 1,2-Diphenylhydrazine	14.62	77	48570	9.10 ppb		97
76) 4-Bromophenyl-phenylether	15.39	248	7152	4.59 ppb		89
77) Hexachlorobenzene	15.69	284	8317	5.05 ppb		86
78) Pentachlorophenol	16.16	266	7902	6.93 ppb		86
79) Phenanthrene	16.44	178	32884	5.05 ppb		97
80) Anthracene	16.54	178	30647	4.69 ppb		98
81) Carbazole	17.01	167	24962	4.59 ppb		89
82) Di-n-butylphthalate	18.10	149	32424	4.40 ppb		96
83) Fluoranthene	19.18	202	38969	4.72 ppb		99
84) Octadecane	16.38	57	8561	4.37 ppb		97

(#) = qualifier out of range (m) = manual integration

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 15:51:19 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.56	184	19039	7.79 ppb	89
87)	Pyrene	19.62	202	42392	4.73 ppb	97
89)	Butylbenzylphthalate	21.10	149	14127	3.79 ppb	95
90)	Butyl stearate	21.21	56	4904	3.55 ppb	83
91)	Benzo[a]anthracene	21.91	228	43892	4.59 ppb	97
92)	3,3'-Dichlorobenzidine	21.95	252	14023	4.41 ppb	88
93)	Chrysene	21.98	228	43446	4.95 ppb	91
94)	bis(2-Ethylhexyl)phthalate	22.20	149	19146	3.78 ppb	99
96)	Di-n-octylphthalate	23.19	149	27130	3.35 ppb	98
97)	Benzo[b]fluoranthene	23.67	252	40971	4.13 ppb	93
98)	Benzo[k]fluoranthene	23.71	252	46454	4.31 ppb	98
99)	Benzo[a]pyrene	24.17	252	38105	4.37 ppb	98
100)	Indeno[1,2,3-cd]pyrene	26.18	276	45884	4.34 ppb	98
101)	Dibenz(a,h)acridine	25.74	279	33078	4.12 ppb	93
102)	Dibenz[a,h]anthracene	26.21	278	38836	4.36 ppb	87
103)	7,12-Dimethylbenz(a)anthra	23.70	256	17964	3.68 ppb	93
105)	Benzo[g,h,i]perylene	26.72	276	38295	4.47 ppb	93

8/17/04

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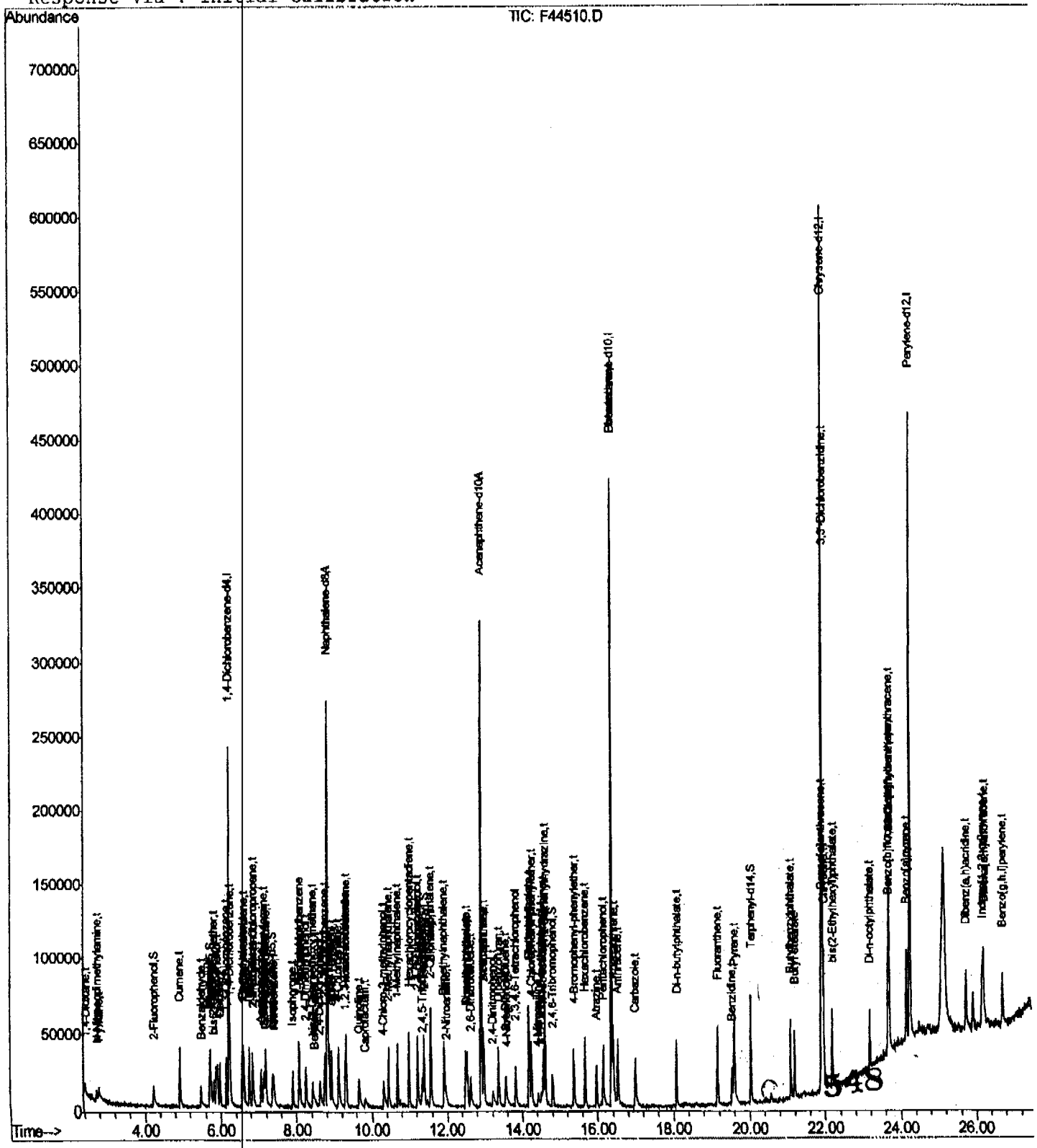
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: MF2402.RES

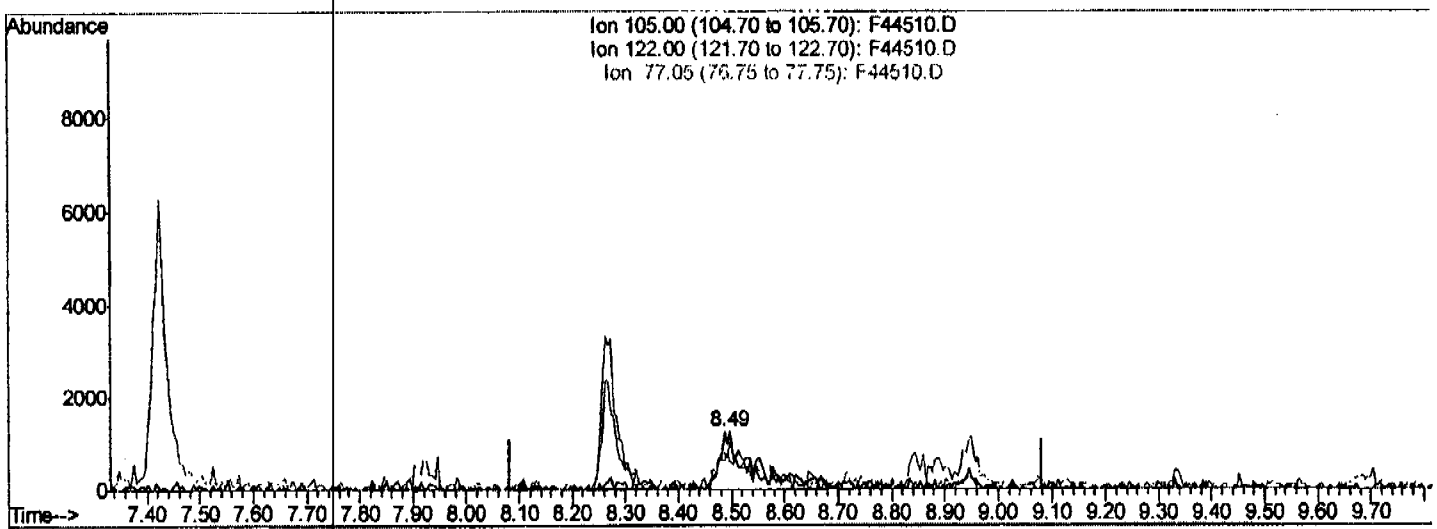
Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration

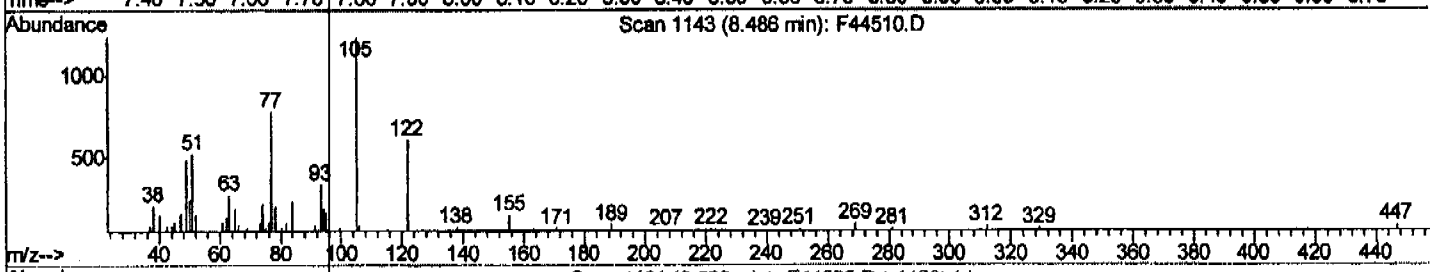


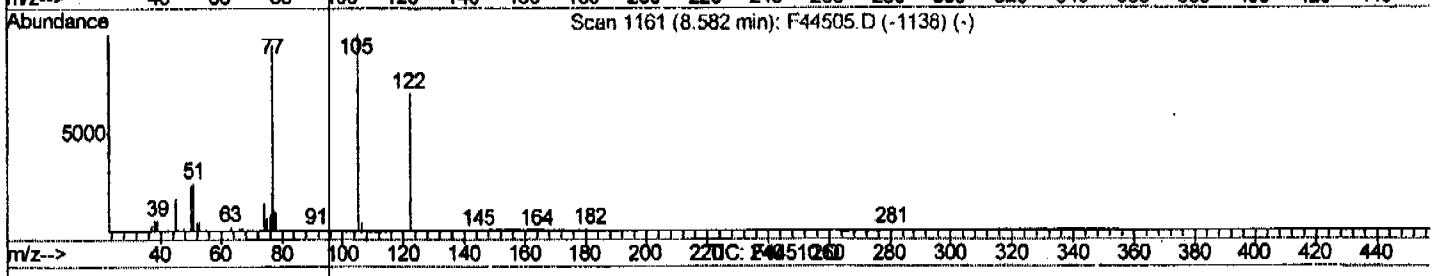
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Single Level Calibration







(32) Benzoic acid (t)

8.49min 4.20ppb m

response 5350

Ion	Exp%	Act%
105.00	100	100
122.00	87.30	49.11
77.05	91.10	63.21
0.00	0.00	0.00

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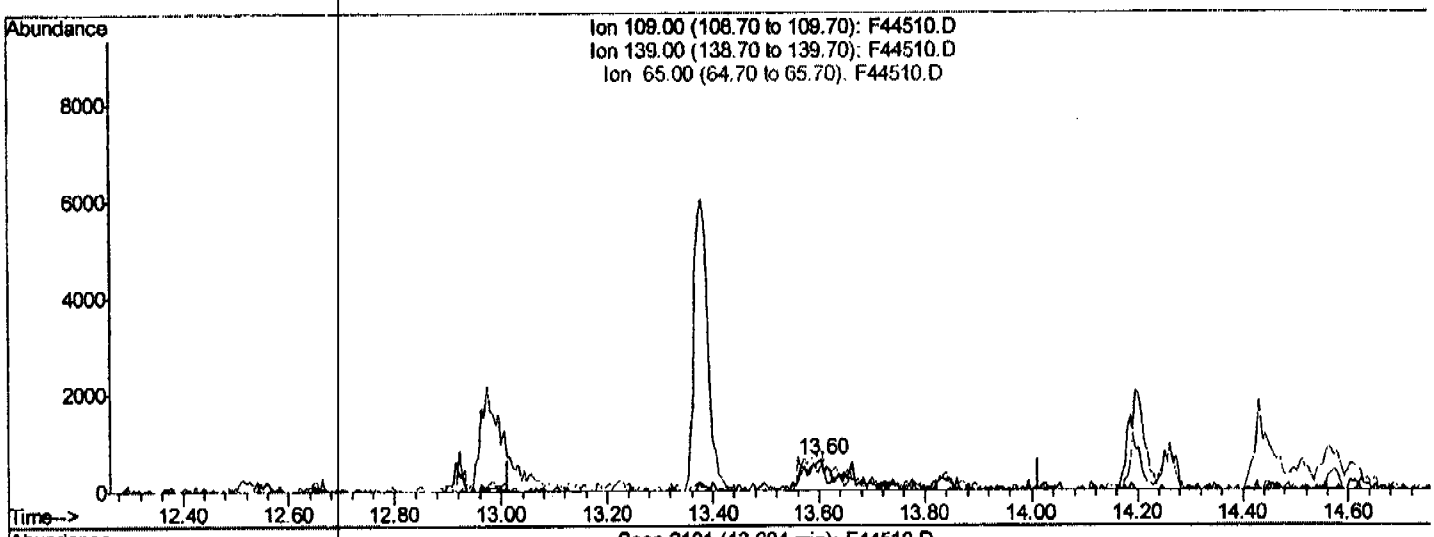
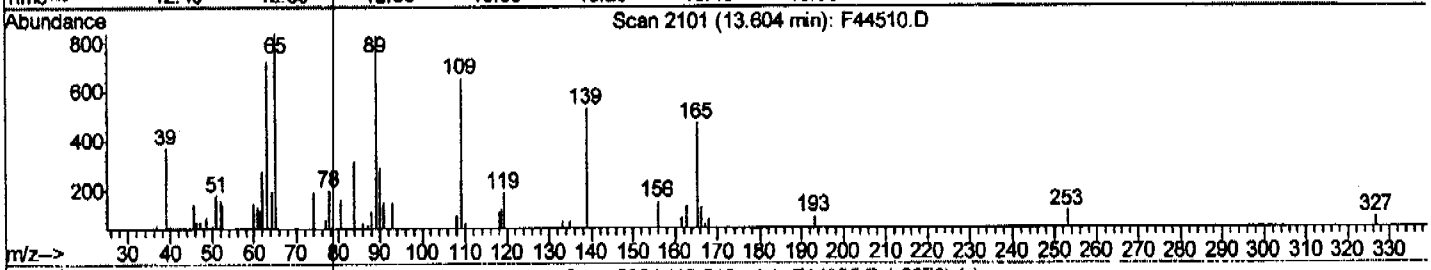
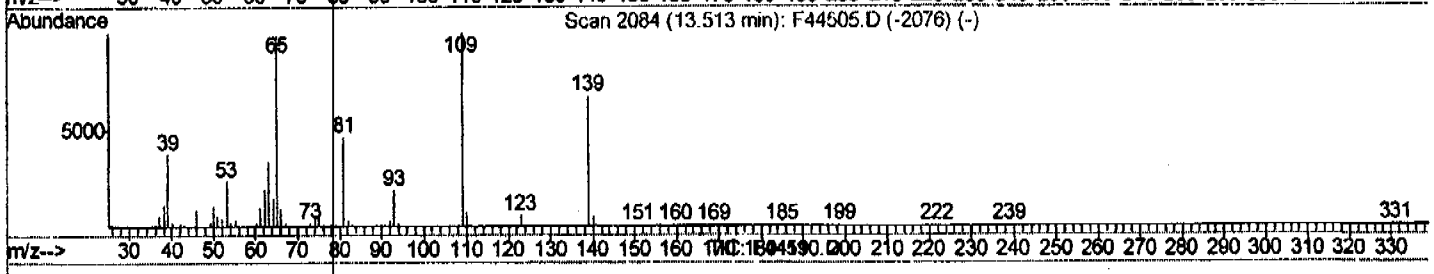
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(62) 4-Nitrophenol (t)

13.60min 3.32ppb m

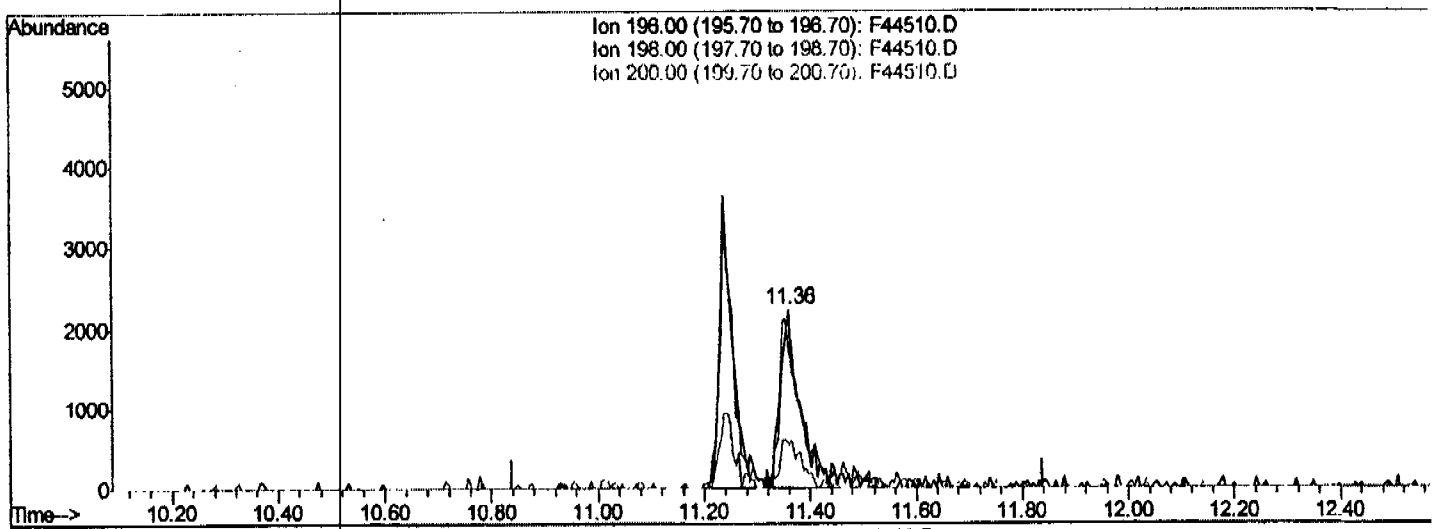
response 3500

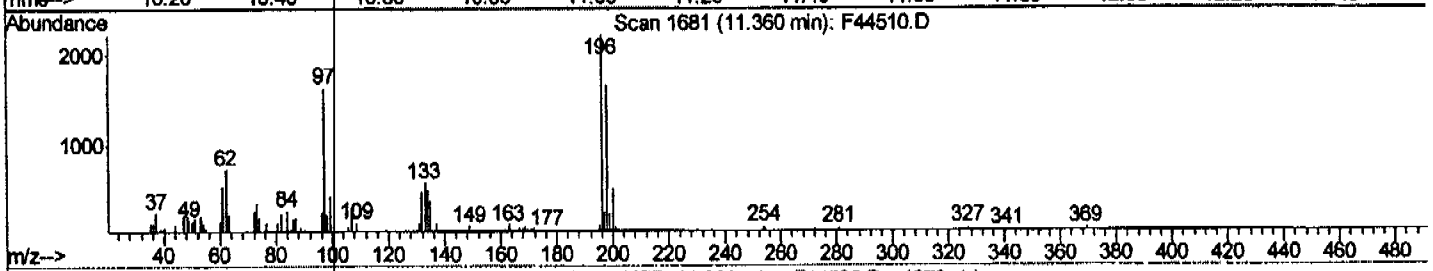
Ion	Exp%	Act%
109.00	100	100
139.00	66.90	81.13
65.00	99.60	127.91
0.00	0.00	0.00

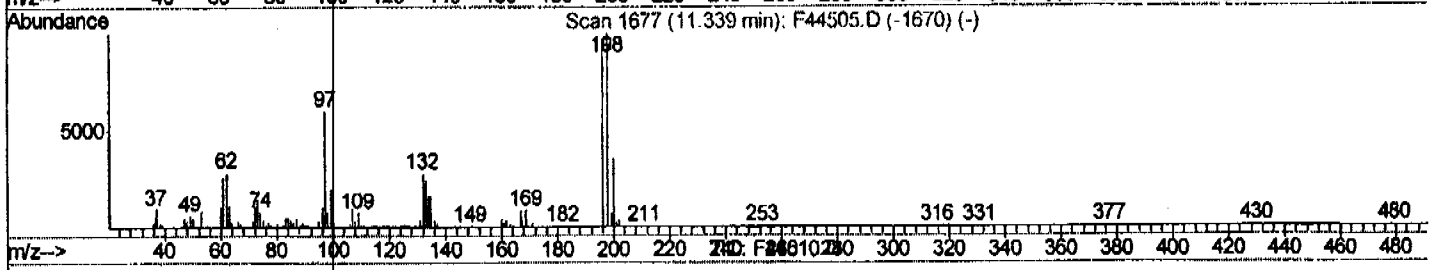
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(51) 2,4,5-Trichlorophenol (t)

11.36min 4.34ppb m

response 6184

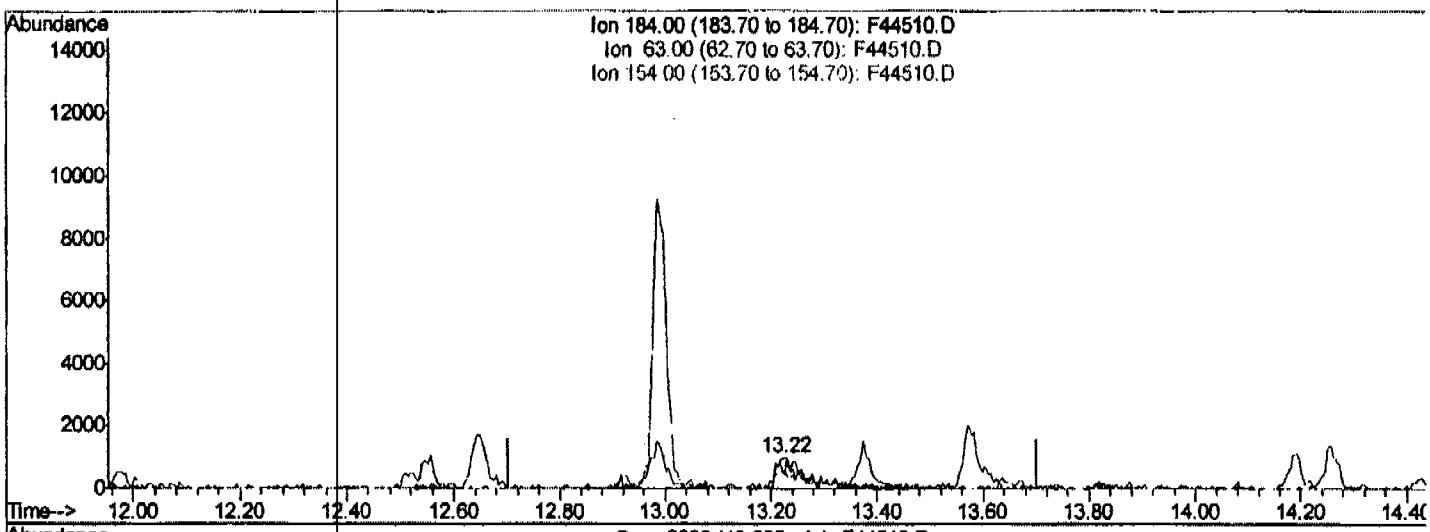
Ion	Exp%	Act%
196.00	100	100
198.00	103.90	74.80
200.00	36.90	23.72
0.00	0.00	0.00

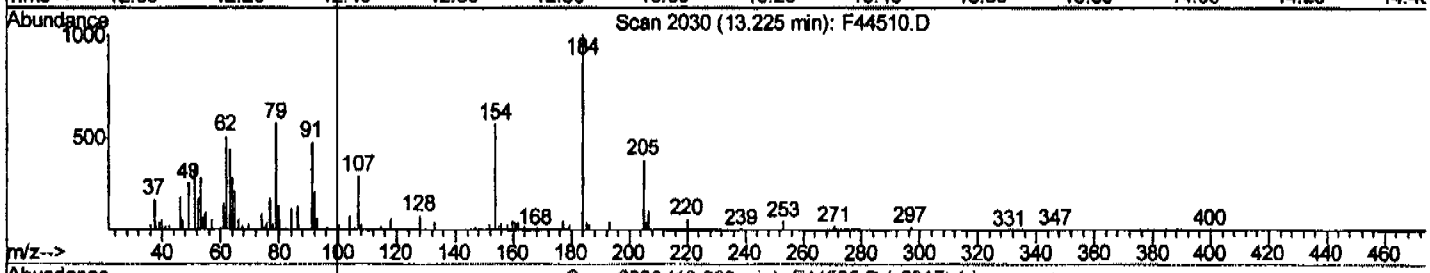
00 551

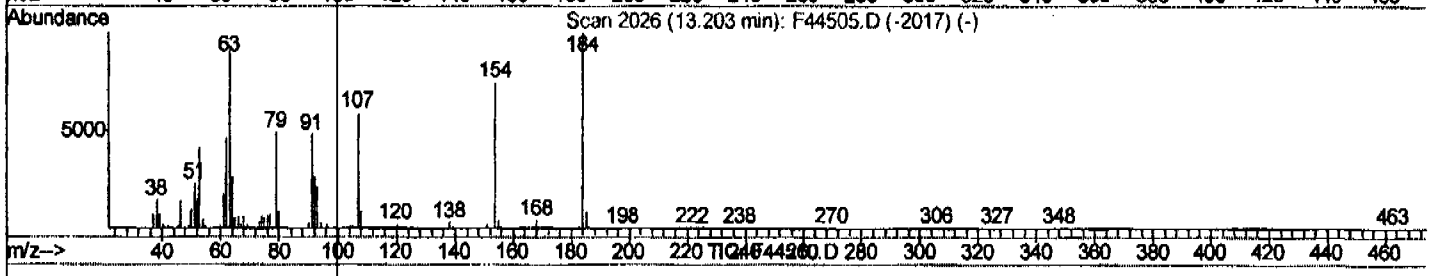
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(61) 2,4-Dinitrophenol (I)

13.22min 5.54ppb m

response 3617

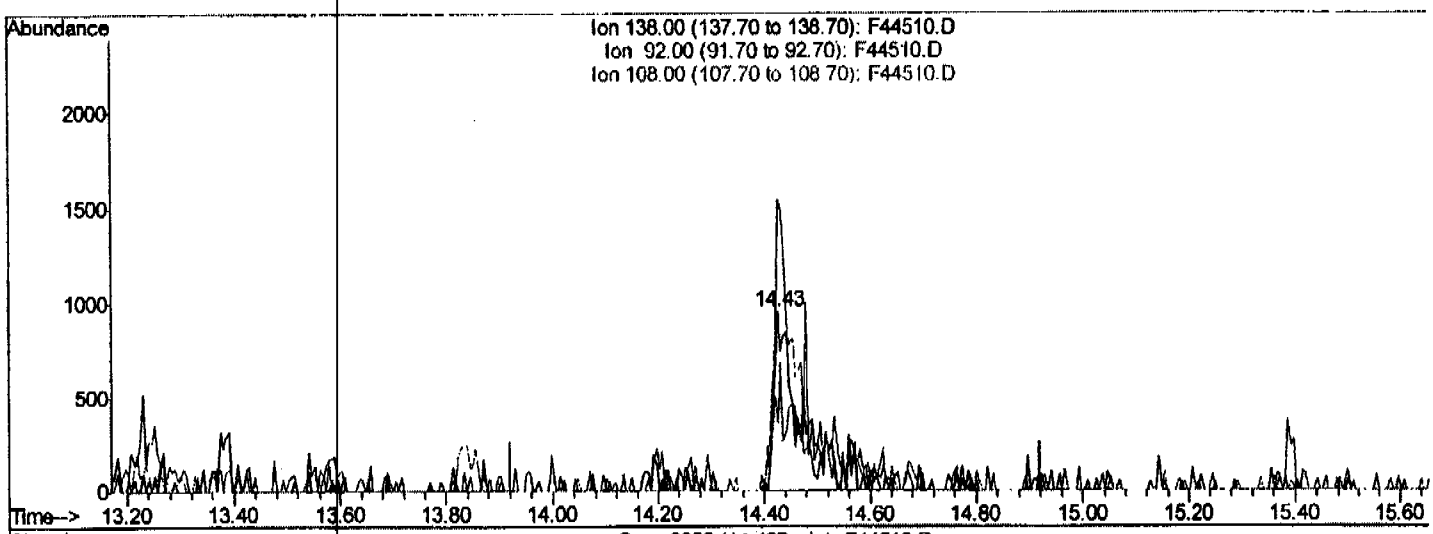
Ion	Exp%	Act%
184.00	100	100
63.00	92.80	44.57#
154.00	73.80	56.23
0.00	0.00	0.00

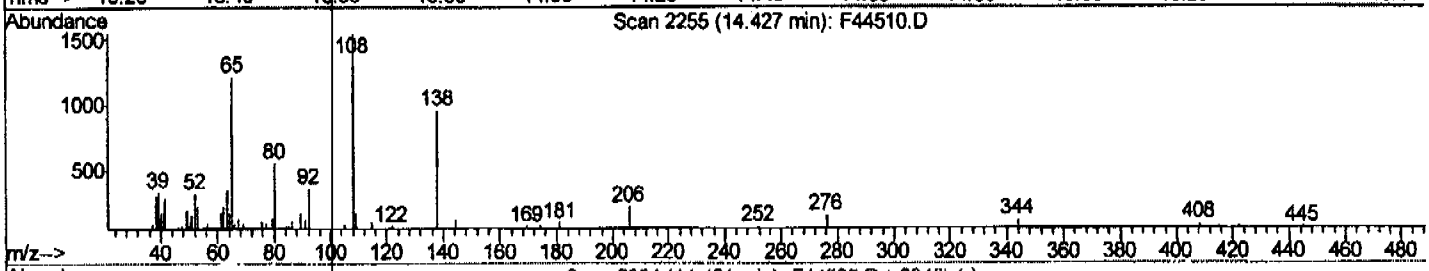
552

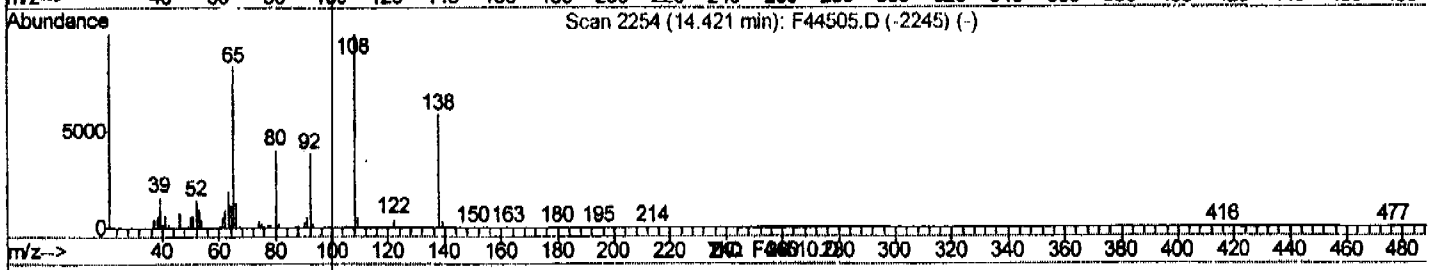
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44510.D Vial: 7
Acq On : 16 Aug 2004 3:23 pm Operator: NINAP
Sample : IC2402-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:11 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(69) 4-Nitroaniline (t)

14.43min 4.14ppb m

response 3554

Ion	Exp%	Act%
138.00	100	100
92.00	64.10	37.84
108.00	169.30	161.84
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:27:32 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	47834	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	187011	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	115692	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	230664	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	311750	40.00 ppb	0.00
95) Perylene-d12	24.25	264	215123	40.00 ppb	0.00
106) Naphthalene-d8A	8.84	136	187011	40.00 ppb	0.00
109) Acenaphthene-d10A	12.92	164	115692	40.00 ppb	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	4.26	112	2235m	1.51 ppb	0.03
Spiked Amount 50.000			Recovery	= 3.02%	
8) Phenol-d5	5.73	99	3308	1.68 ppb	0.01
Spiked Amount 50.000			Recovery	= 3.36%	
26) Nitrobenzene-d5	7.39	82	3859	1.49 ppb	0.01
Spiked Amount 50.000			Recovery	= 2.98%	
52) 2-Fluorobiphenyl	11.41	172	8280	1.79 ppb	0.00
Spiked Amount 50.000			Recovery	= 3.58%	
75) 2,4,6-Tribromophenol	14.82	330	1231m	1.67 ppb	0.00
Spiked Amount 50.000			Recovery	= 3.34%	
88) Terphenyl-d14	20.05	244	11787	1.66 ppb	0.00
Spiked Amount 50.000			Recovery	= 3.32%	

Target Compounds					Qvalue
2) 1,4-Dioxane	2.43	88	2018	2.59 ppb	# 33
3) Pyridine	2.81	79	3788m	1.99 ppb	
4) N-Nitrosodimethylamine	2.75	42	2651m	2.36 ppb	
6) Indene	6.77	116	5662	1.93 ppb	90
7) Cumene	4.93	105	7789	1.82 ppb	96
9) Phenol	5.76	94	3222	1.43 ppb	73
10) Aniline	5.74	93	3275	1.32 ppb	95
11) bis(2-Chloroethyl)ether	5.85	93	2805	1.85 ppb	81
12) Benzaldehyde	5.53	105	499m	1.02 ppb	
13) 2-Chlorophenol	5.93	128	2934	1.67 ppb	78
14) Decane	5.99	43	2182	1.92 ppb	76
15) 1,3-Dichlorobenzene	6.16	146	3536	1.81 ppb	81
16) 1,4-Dichlorobenzene	6.25	146	3876	1.94 ppb	87
17) Benzyl alcohol	6.60	108	2185m	2.04 ppb	
18) 1,2-Dichlorobenzene	6.62	146	3425	1.83 ppb	94
19) Acetophenone	7.10	105	4709	1.78 ppb	# 63
20) 2-Methylphenol	6.87	108	2500	1.65 ppb	90
21) 2,2'-oxybis(1-Chloropropan	6.87	121	1269m	2.19 ppb	
22) 3&4-Methylphenol	7.18	108	3189m	1.93 ppb	
23) n-Nitroso-di-n-propylamine	7.16	70	2506	1.59 ppb	94
24) Hexachloroethane	7.21	201	1648	1.76 ppb	87
27) Nitrobenzene	7.44	123	1240m	1.47 ppb	
28) Quinoline	9.70	129	4010	1.17 ppb	68
29) Isophorone	7.93	82	6263	1.55 ppb	96
31) 2,4-Dimethylphenol	8.27	107	3778m	1.66 ppb	90
33) bis(2-Chloroethoxy)methane	8.45	93	3143	1.60 ppb	91

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:27:32 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
34)	2,4-Dichlorophenol	8.66	162	2339	1.41 ppb		79
35)	1,3,5-Trichlorobenzene	8.10	180	3713	1.81 ppb	#	82
36)	1,2,4-Trichlorobenzene	8.77	180	3386	1.68 ppb		88
37)	1,2,3-Trichlorobenzene	9.30	180	3602	1.93 ppb		98
38)	alpha-Terpineol	8.95	59	2611	1.70 ppb		82
39)	Naphthalene	8.89	128	9328	1.71 ppb		88
40)	4-Chloroaniline	9.15	127	2253	1.05 ppb		74
41)	2,3-Dichloroaniline	11.24	161	3371	1.62 ppb	#	73
42)	Caprolactam	9.89	55	963m	1.85 ppb		
43)	Hexachlorobutadiene	9.34	225	3158	1.88 ppb		76
44)	4-Chloro-3-methylphenol	10.36	107	2504	1.35 ppb		84
45)	2-Methylnaphthalene	10.46	142	6020	1.60 ppb		94
46)	1-Methylnaphthalene	10.70	142	6518	1.76 ppb		86
47)	Dimethylnaphthalene	11.94	156	5934	1.59 ppb		94
49)	Hexachlorocyclopentadiene	11.01	237	3665	2.05 ppb		80
50)	2,4,6-Trichlorophenol	11.25	196	2105	1.44 ppb	#	57
51)	2,4,5-Trichlorophenol	11.38	196	2497m	1.66 ppb		
53)	2-Chloronaphthalene	11.58	162	5961	1.60 ppb		94
54)	Biphenyl	11.60	154	8796	1.72 ppb		91
56)	Dimethylphthalate	12.52	163	7069	1.54 ppb		88
57)	Acenaphthylene	12.56	152	9236	1.63 ppb		91
58)	2,6-Dinitrotoluene	12.66	165	1459m	1.51 ppb		
60)	Acenaphthene	12.99	153	7216	1.86 ppb		76
61)	2,4-Dinitrophenol	13.25	184	853m	1.23 ppb		
63)	Dibenzofuran	13.38	168	9595	1.80 ppb		93
64)	2,4-Dinitrotoluene	13.58	165	2178m	1.54 ppb		
65)	2,3,4,6-Tetrachlorophenol	13.84	232	1776	1.23 ppb	#	22
66)	Diethylphthalate	14.20	149	8527	1.64 ppb		96
67)	Fluorene	14.19	166	7787	1.63 ppb		93
68)	4-Chlorophenyl-phenylether	14.26	204	4358	1.67 ppb		93
72)	Atrazine	15.98	200	2639	1.94 ppb		91
73)	n-Nitrosodiphenylamine	14.57	169	5773	1.86 ppb		81
74)	1,2-Diphenylhydrazine	14.62	77	16303	3.01 ppb		91
76)	4-Bromophenyl-phenylether	15.39	248	2975	1.88 ppb	#	70
77)	Hexachlorobenzene	15.69	284	3230	1.93 ppb		78
79)	Phenanthrene	16.44	178	12599	1.90 ppb		93
80)	Anthracene	16.55	178	10759	1.62 ppb		96
81)	Carbazole	17.02	167	8346	1.51 ppb		96
82)	Di-n-butylphthalate	18.10	149	11428	1.53 ppb		94
83)	Fluoranthene	19.18	202	13915	1.66 ppb		88
84)	Octadecane	16.38	57	3517	1.76 ppb		92
86)	Benzidine	19.57	184	5530m	2.19 ppb		
87)	Pyrene	19.62	202	15126	1.63 ppb		92
89)	Butylbenzylphthalate	21.10	149	4930	1.28 ppb		87
90)	Butyl stearate	21.21	56	1723	1.21 ppb	#	28
91)	Benzo[a]anthracene	21.92	228	17598	1.78 ppb		95
92)	3,3'-Dichlorobenzidine	21.95	252	4457	1.35 ppb		78
93)	Chrysene	21.98	228	16900	1.86 ppb		86
94)	bis(2-Ethylhexyl)phthalate	22.20	149	6163	1.18 ppb		

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 16 16:27:32 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Aug 16 15:17:44 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
96)	Di-n-octylphthalate	23.19	149	9305	1.11 ppb	85
97)	Benzo[b]fluoranthene	23.67	252	13965	1.36 ppb	97
98)	Benzo[k]fluoranthene	23.71	252	19090	1.71 ppb	86
99)	Benzo[a]pyrene	24.17	252	13519	1.50 ppb	96
100)	Indeno[1,2,3-cd]pyrene	26.17	276	15805	1.44 ppb	97
101)	Dibenz(a,h)acridine	25.74	279	11815	1.42 ppb	96
102)	Dibenz[a,h]anthracene	26.21	278	13174	1.43 ppb	94
103)	7,12-Dimethylbenz(a)anthra	23.70	256	6697	1.32 ppb	93
105)	Benzo[g,h,i]perylene	26.71	276	13257	1.50 ppb	89

8/17/04

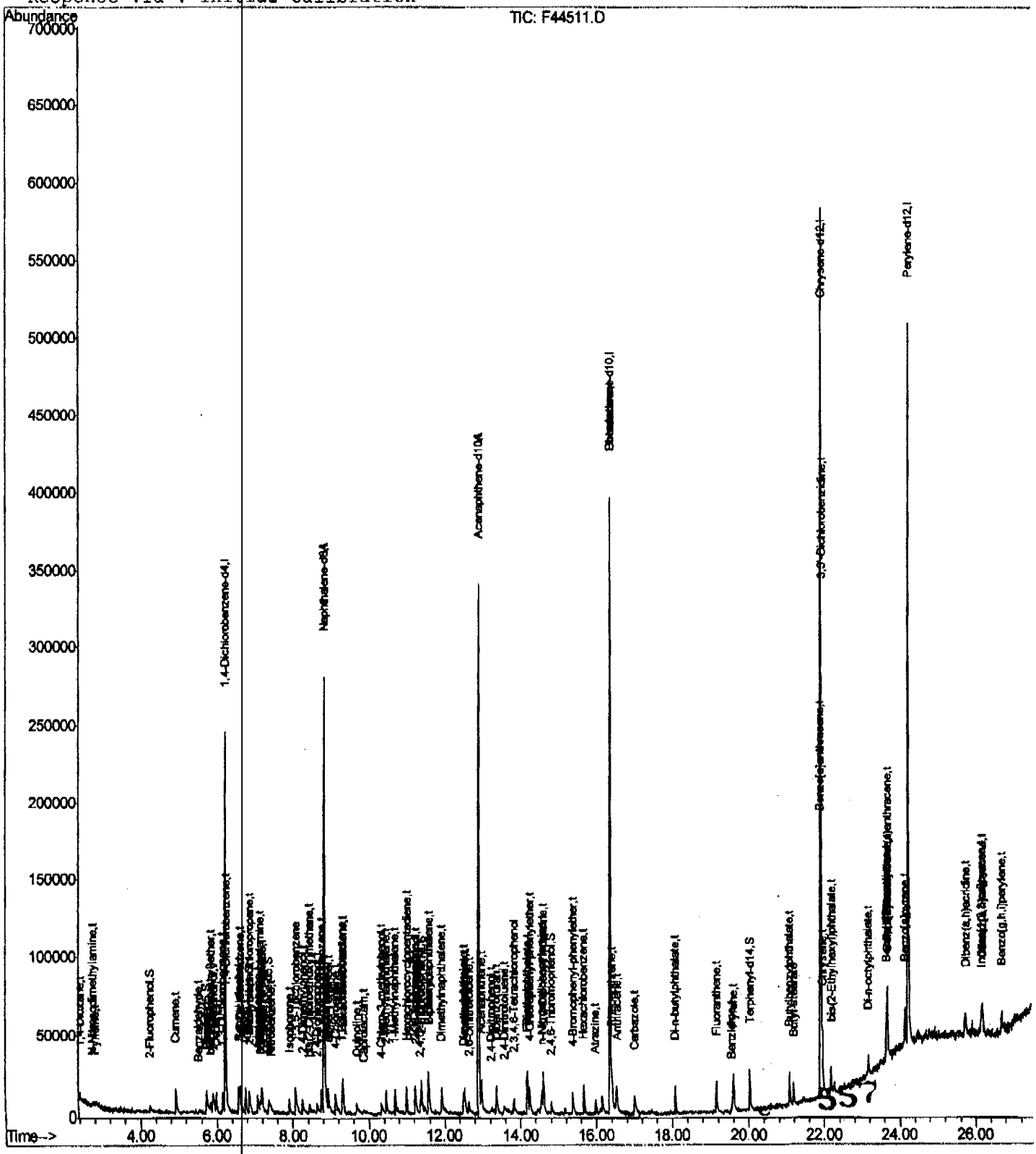
556

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:49 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Initial Calibration

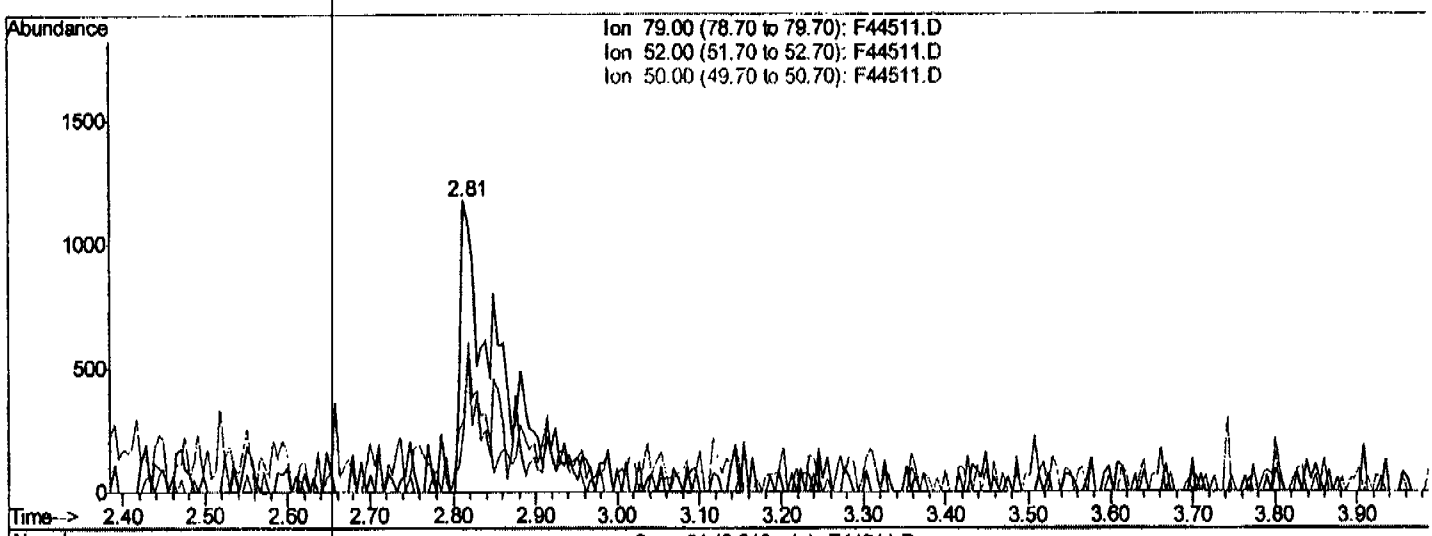


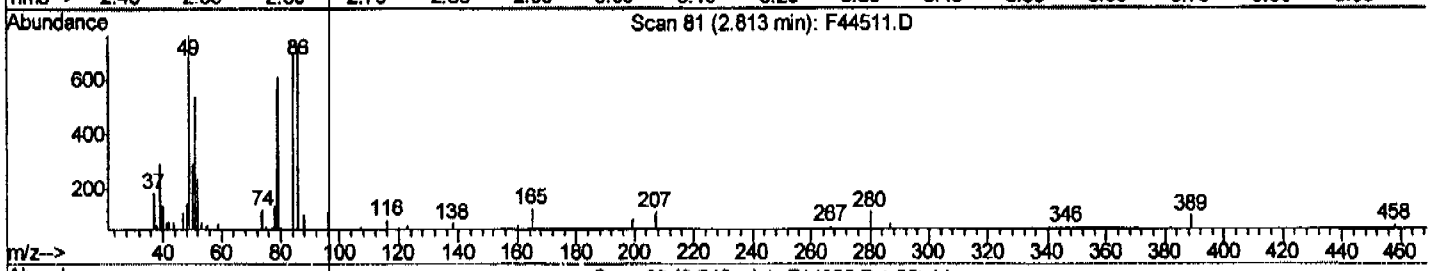
557

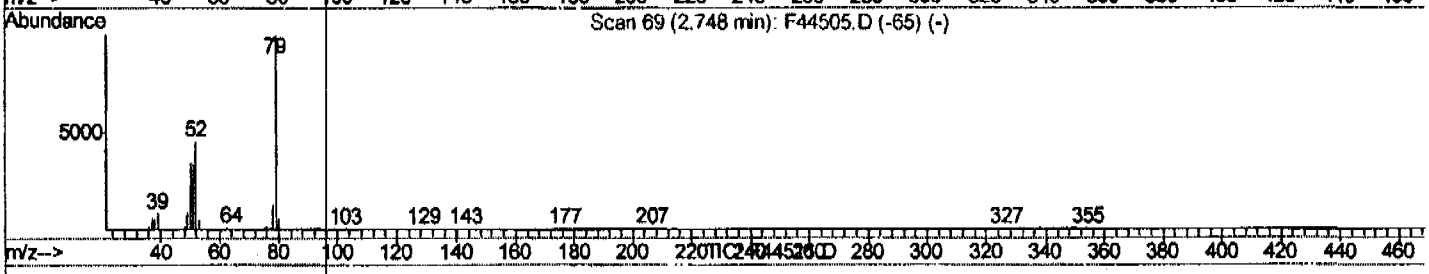
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(3) Pyridine (t)

2.81min 1.99ppb m

response 3788

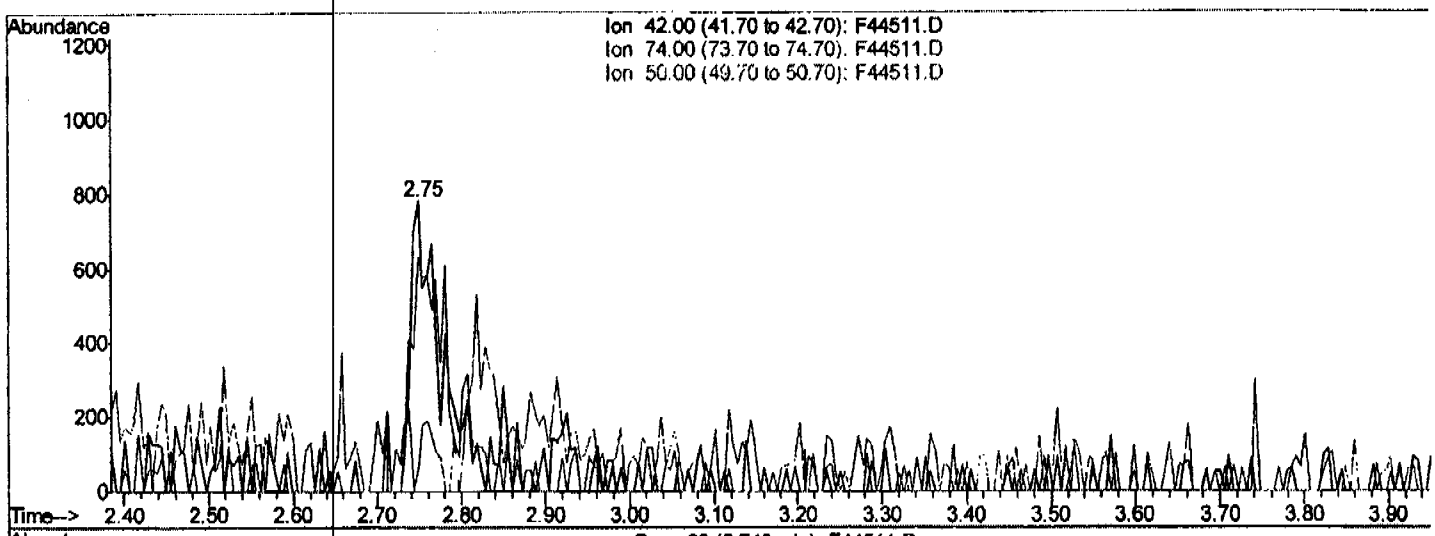
Ion	Exp%	Act%
79.00	100	100
52.00	44.50	39.57
50.00	33.40	47.95
0.00	0.00	0.00

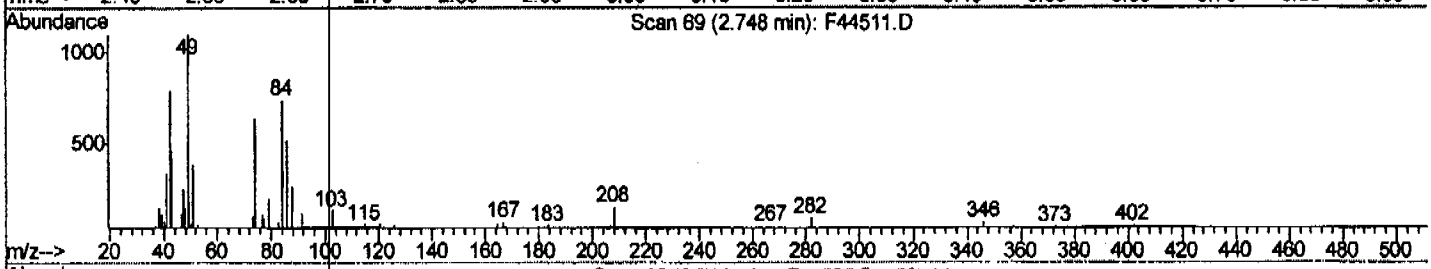
558

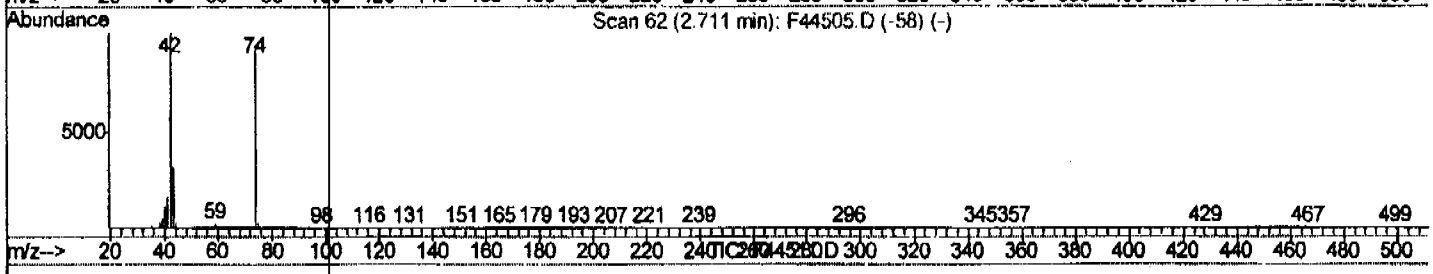
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(4) N-Nitrosodimethylamine (t)

2.75min 2.36ppb m

response 2651

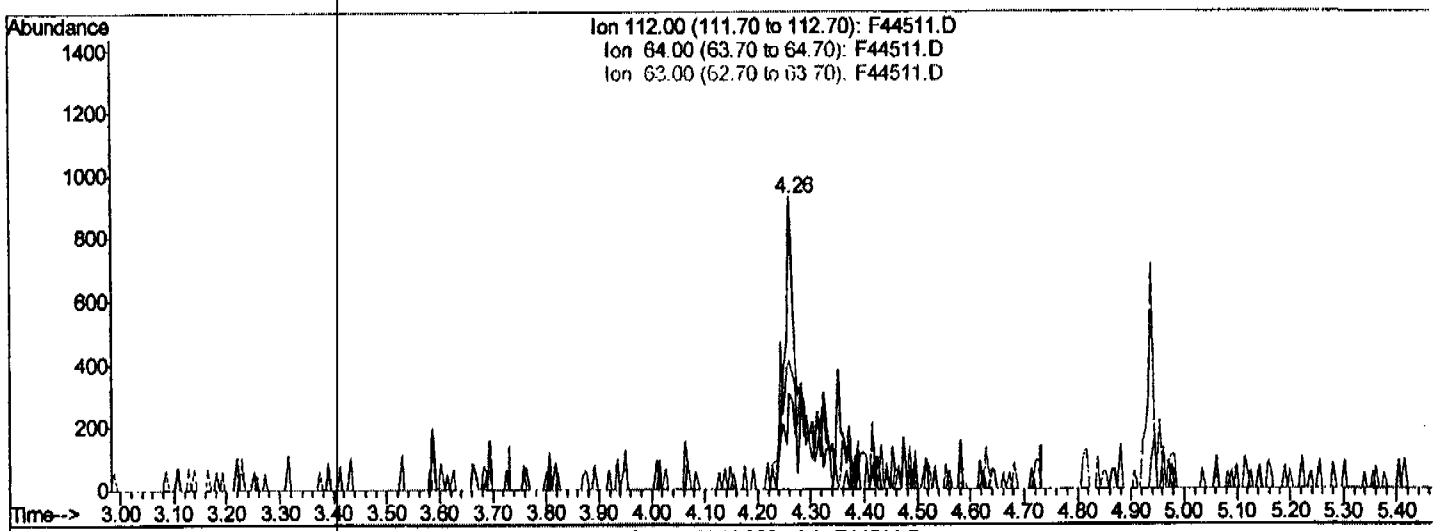
Ion	Exp%	Act%
42.00	100	100
74.00	93.40	80.84
50.00	0.00	8.81
0.00	0.00	0.00

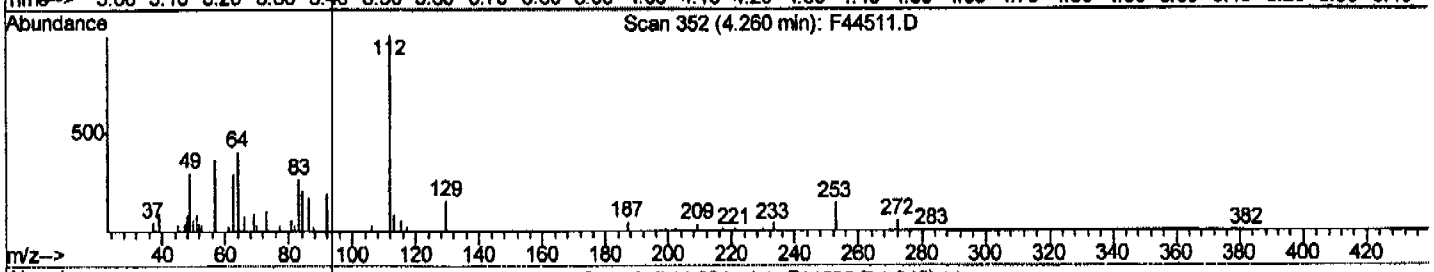
559

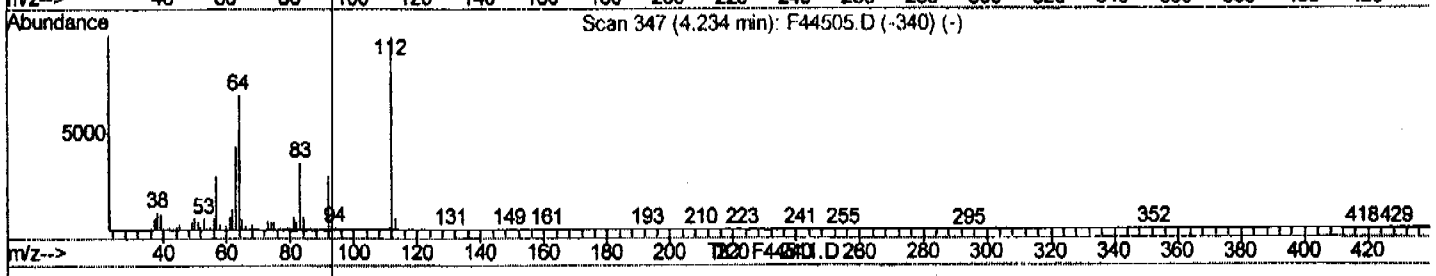
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(5) 2-Fluorophenol (S)

4.26min 1.51ppb m

response 2235

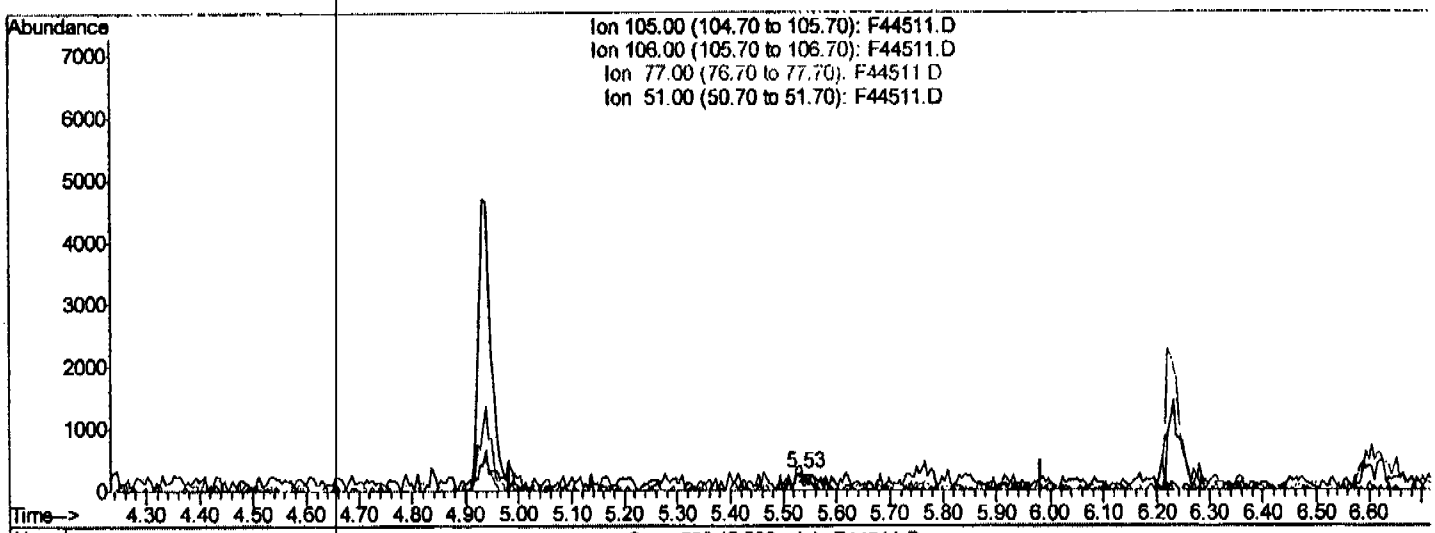
Ion	Exp%	Act%
112.00	100	100
64.00	69.30	44.34
63.00	42.90	33.12
0.00	0.00	0.00

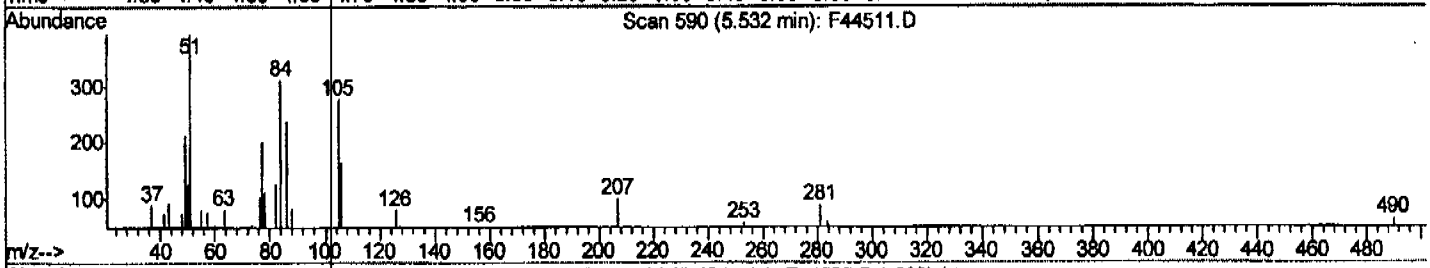
560

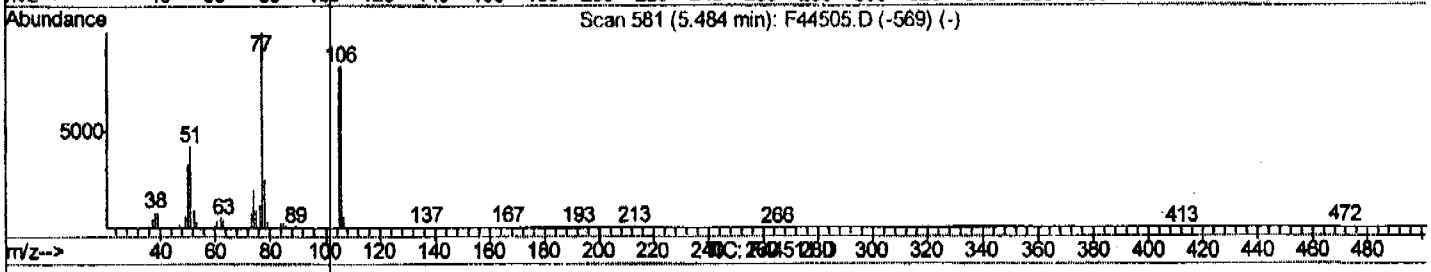
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(12) Benzaldehyde (t)

5.53min 1.02ppb m

response 499

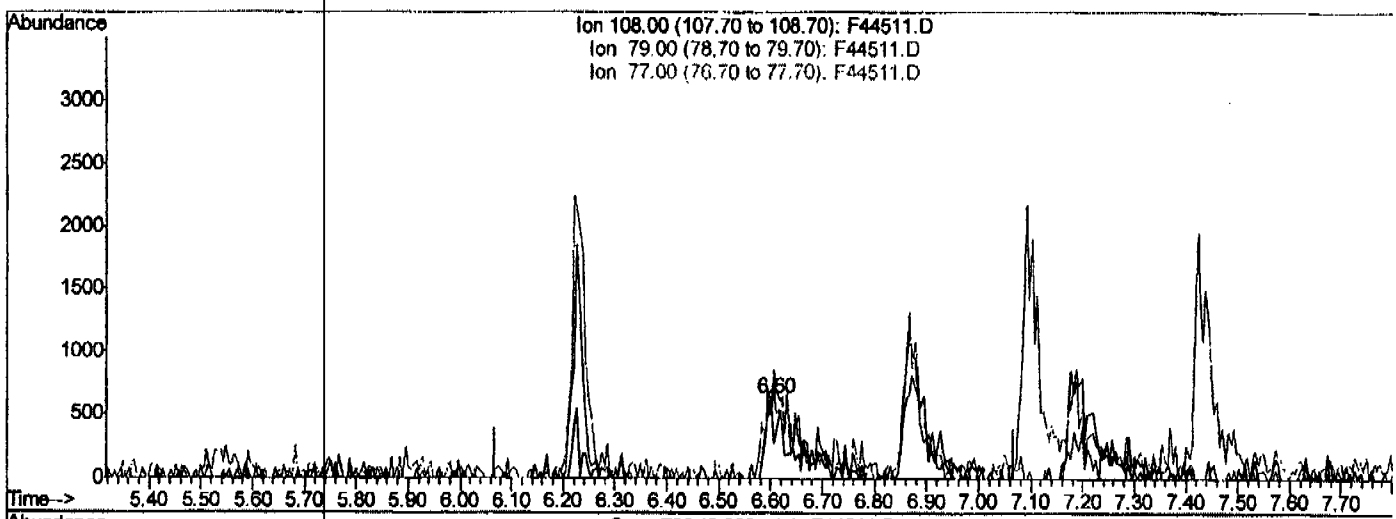
Ion	Exp%	Act%
105.00	100	100
106.00	99.80	59.21#
77.00	121.30	72.56#
51.00	50.80	141.88#

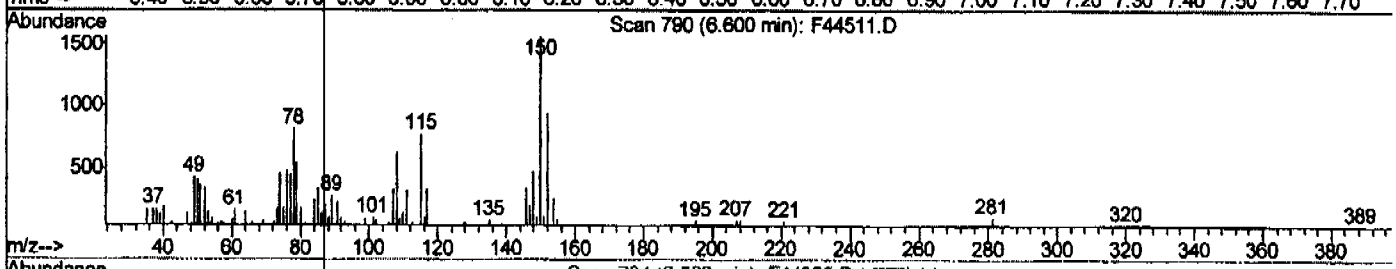
561

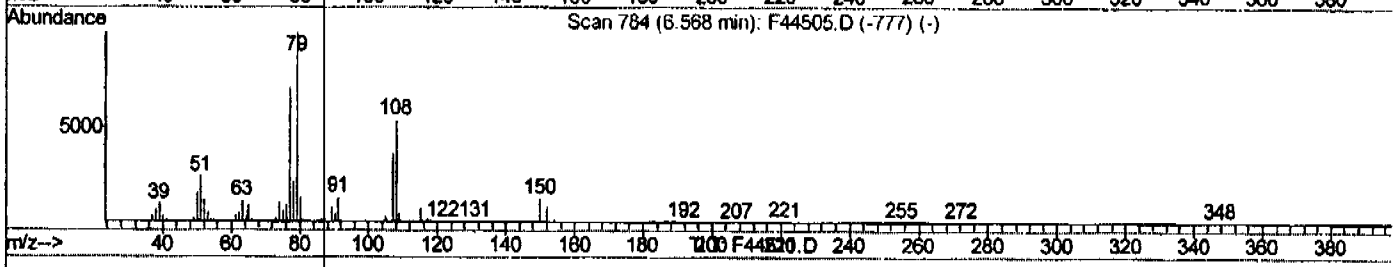
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(17) Benzyl alcohol (t)

6.60min 2.04ppb m

response 2185

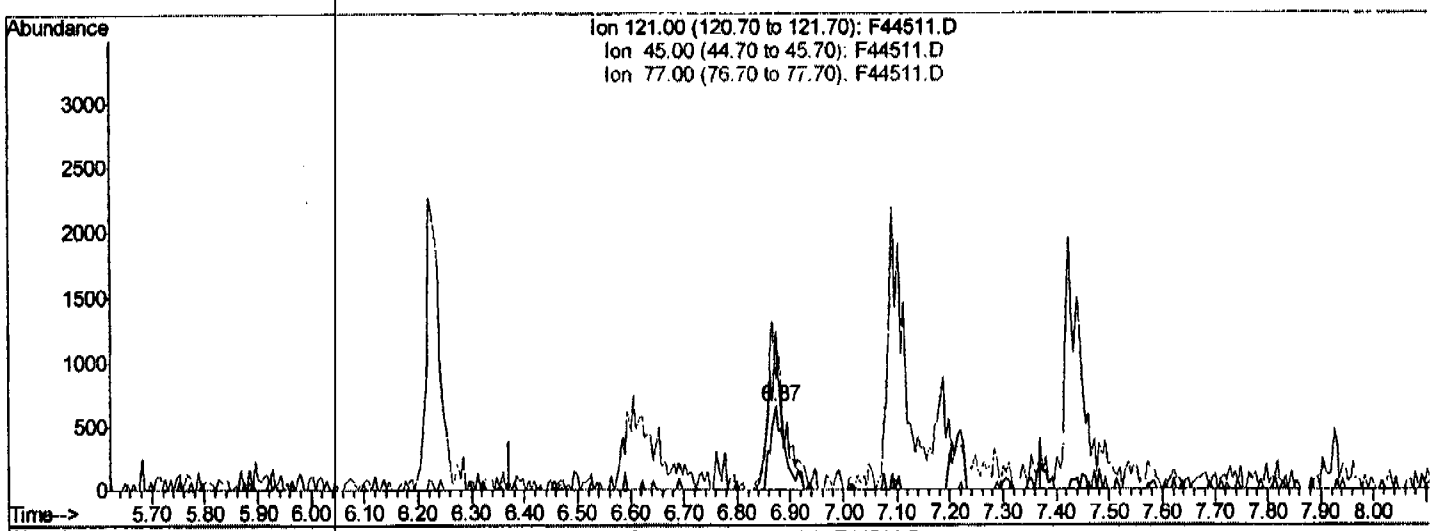
Ion	Exp%	Act%
108.00	100	100
79.00	185.60	86.35#
77.00	129.60	73.02#
0.00	0.00	0.00

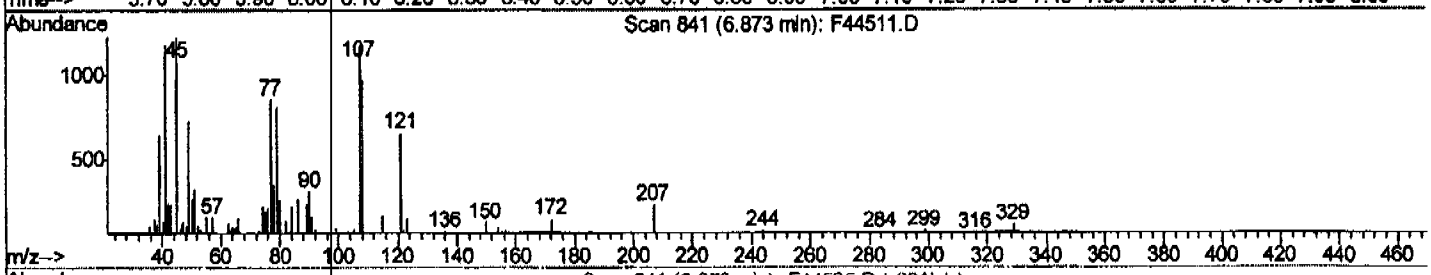
562

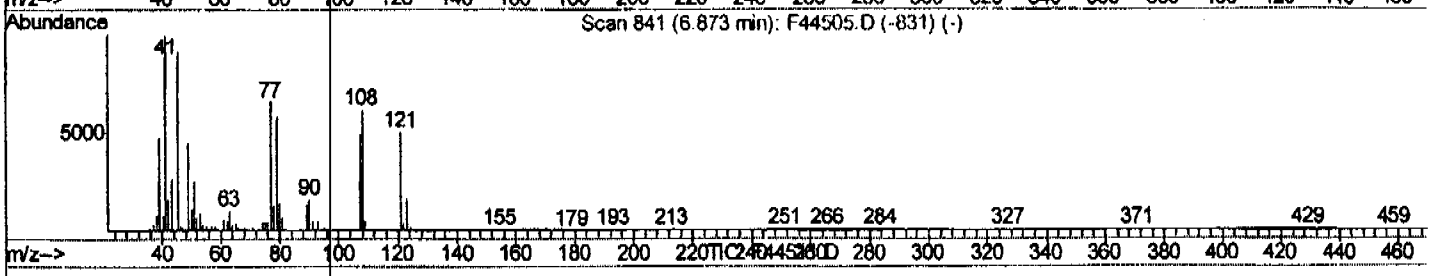
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(21) 2,2'-oxybis(1-Chloropropane (t)

6.87min 2.19ppb m

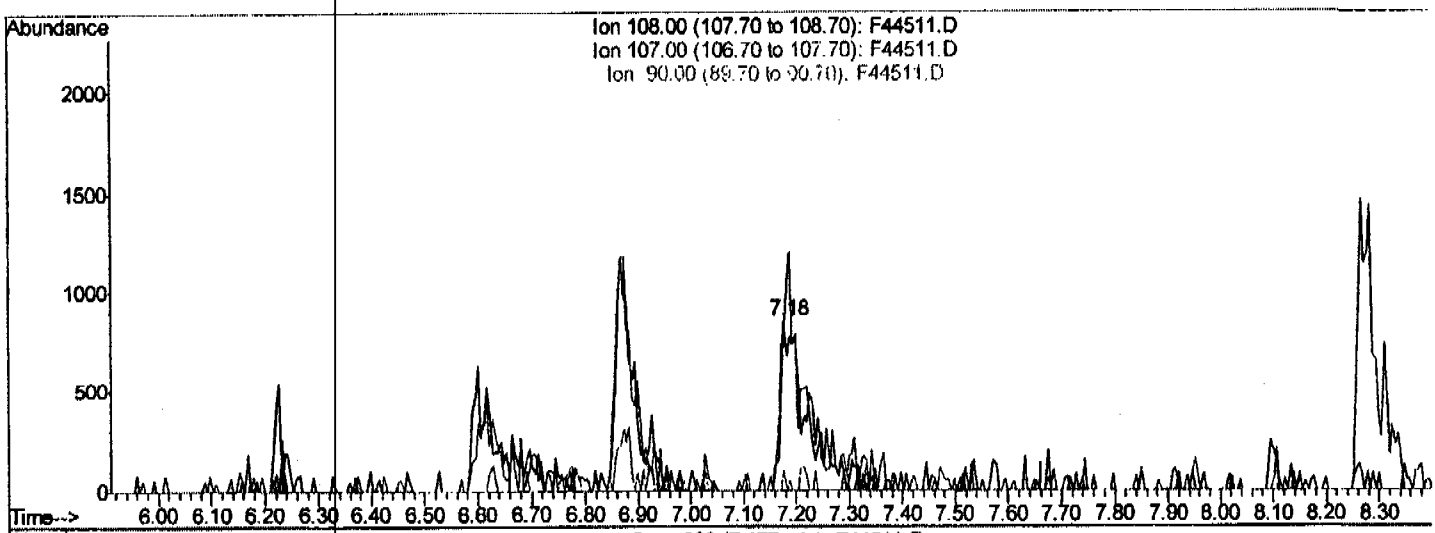
response 1269

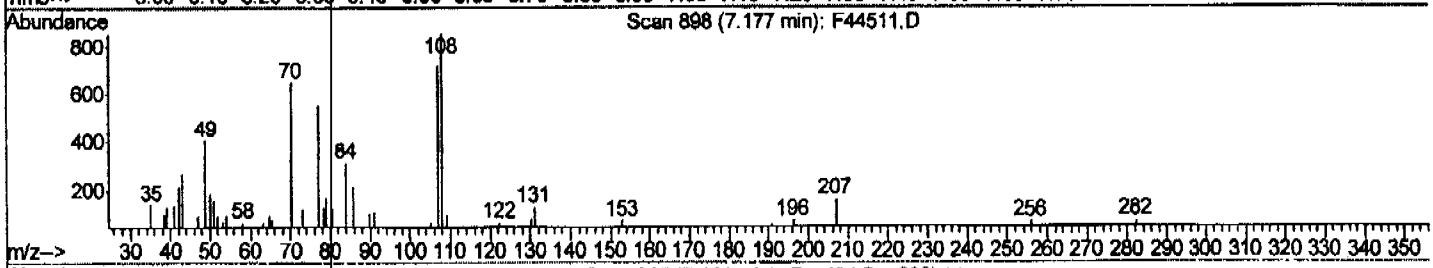
Ion	Exp%	Act%
121.00	100	100
45.00	182.20	187.46
77.00	130.00	130.28
0.00	0.00	0.00

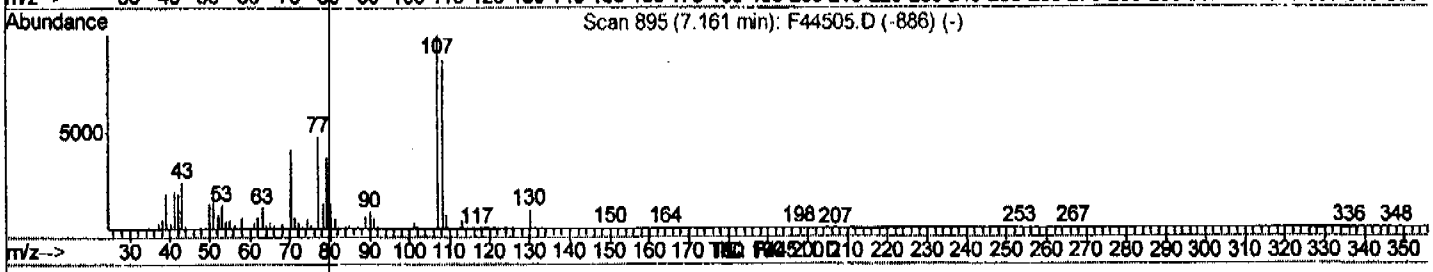
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(22) 3&4-Methylphenol (t)

7.18min 1.93ppb m

response 3189

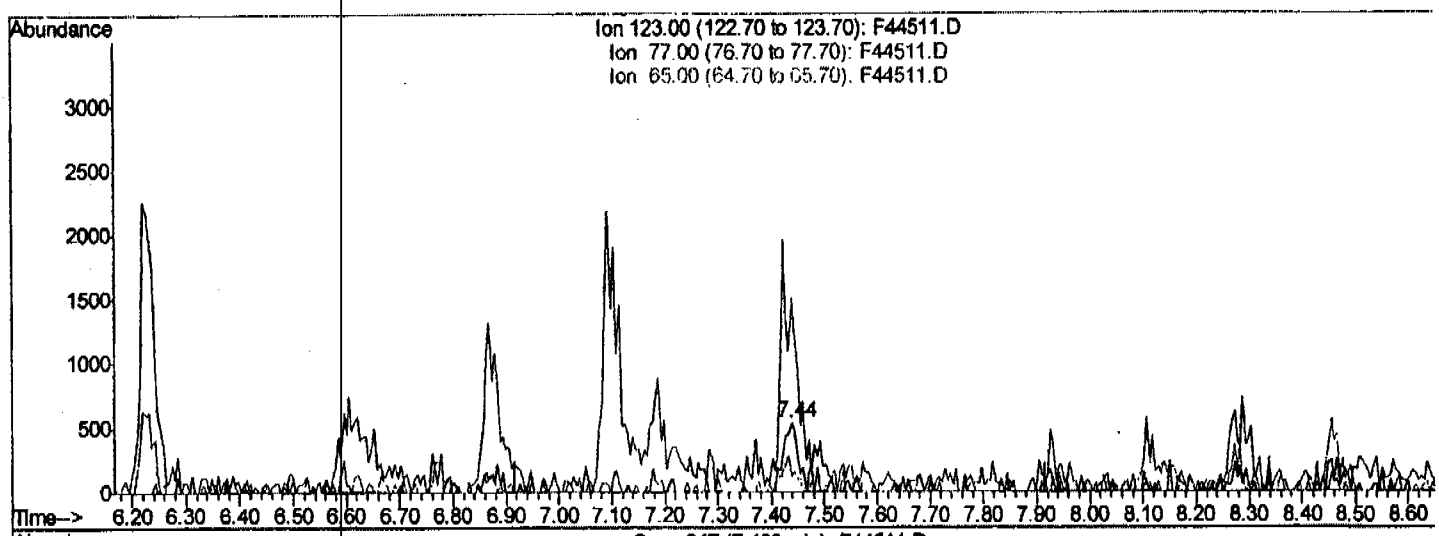
Ion	Exp%	Act%
108.00	100	100
107.00	115.50	84.71#
90.00	10.30	11.76
0.00	0.00	0.00

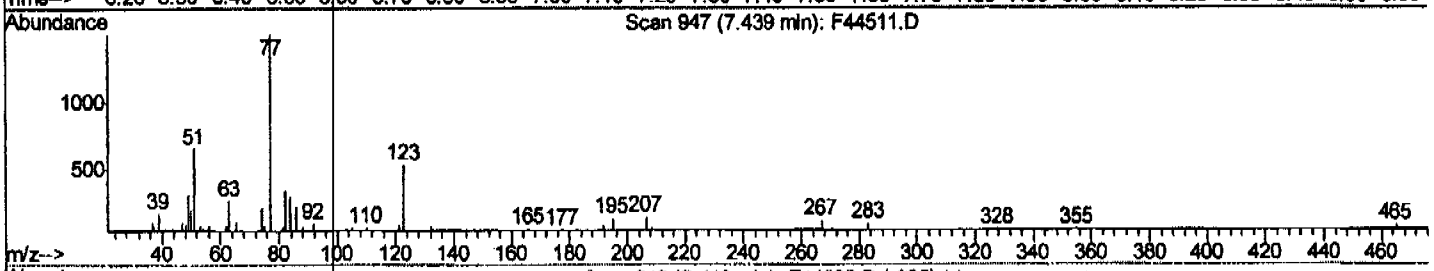
564

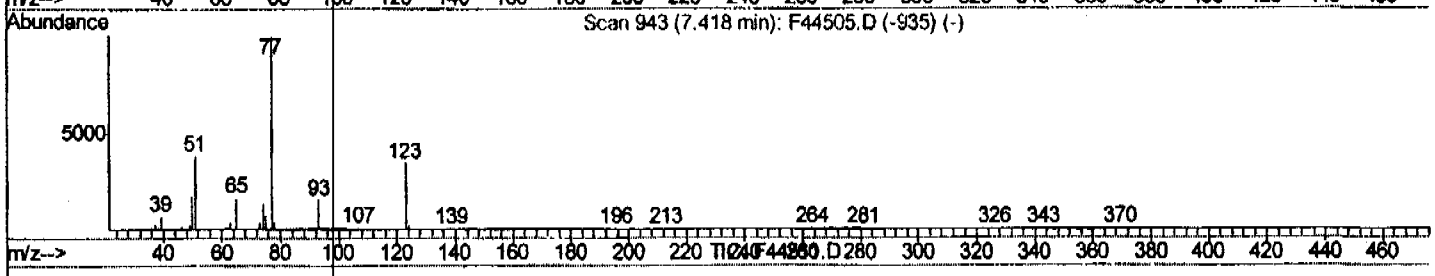
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 8:19 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(27) Nitrobenzene (t)

7.44min 1.47ppb m

response 1240

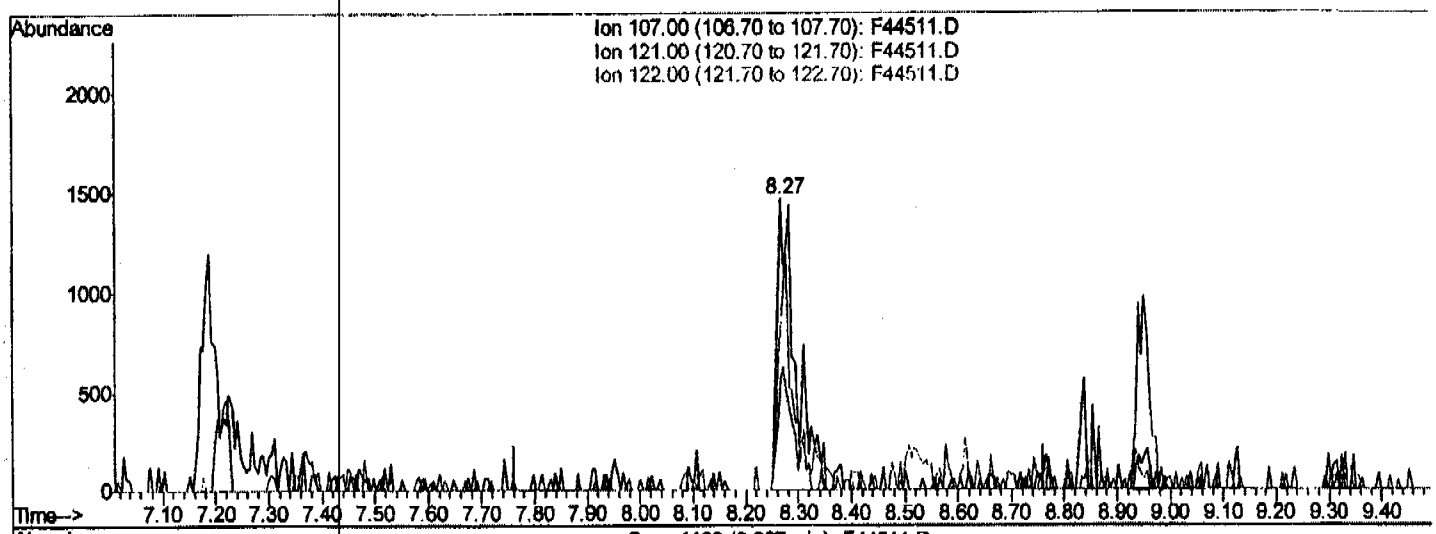
Ion	Exp%	Act%
123.00	100	100
77.00	293.70	281.95
65.00	47.00	22.18
0.00	0.00	0.00

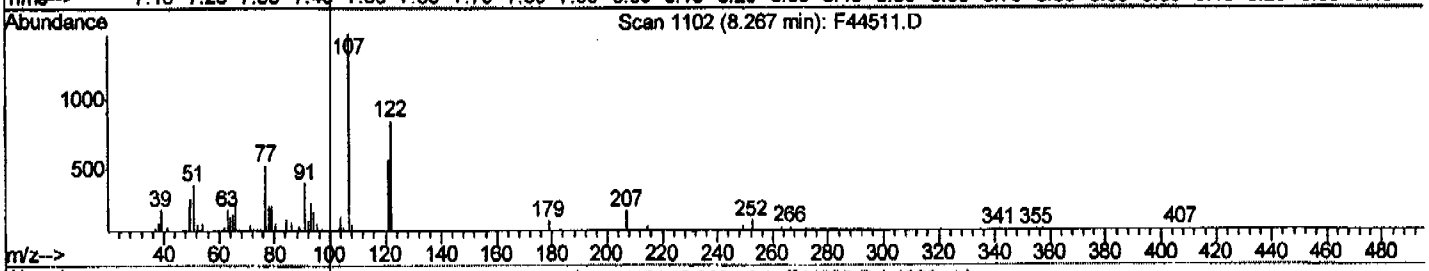
565

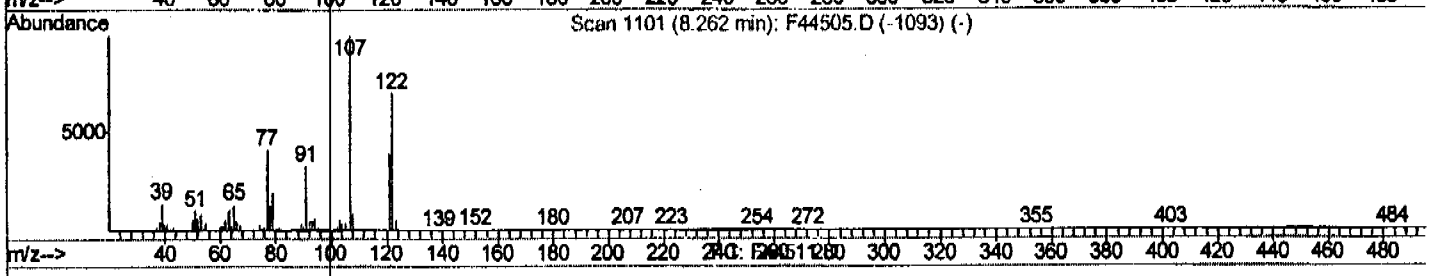
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:47 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(31) 2,4-Dimethylphenol (t)

8.27min 1.66ppb m

response 3778

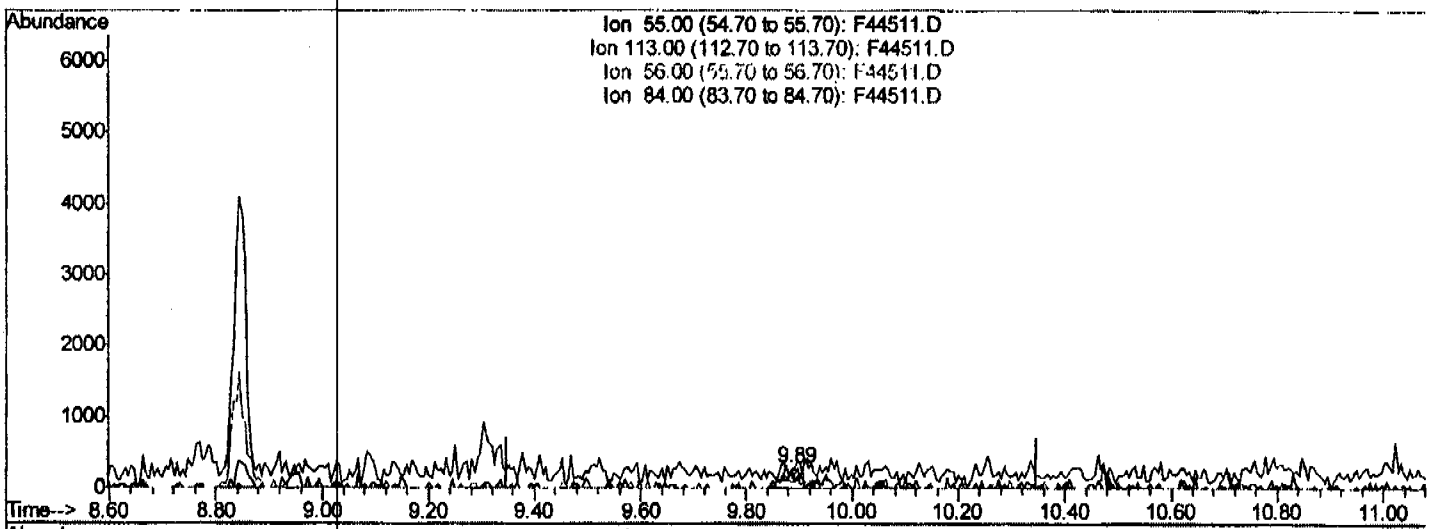
Ion	Exp%	Act%
107.00	100	100
121.00	38.40	38.77
122.00	69.90	57.00
0.00	0.00	0.00

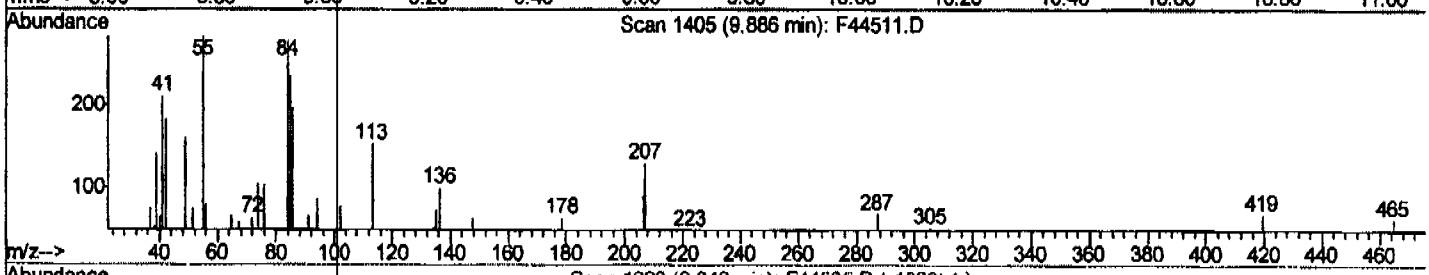
566

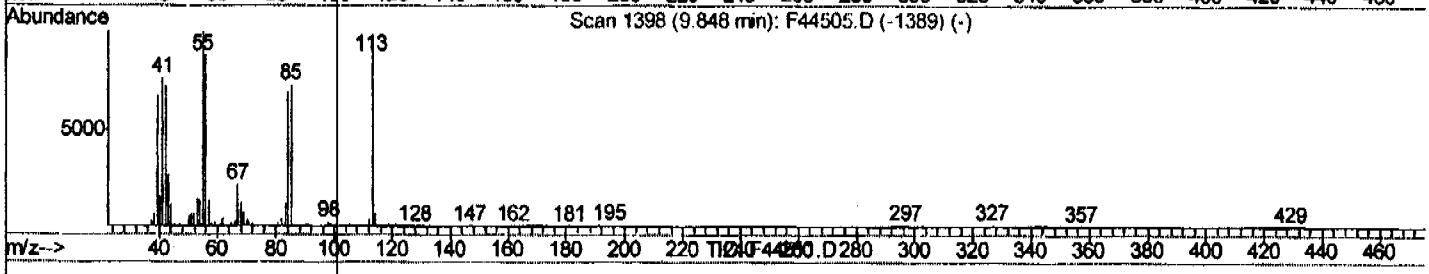
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:47 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(42) Caprolactam (t)

9.89min 1.85ppb m

response 963

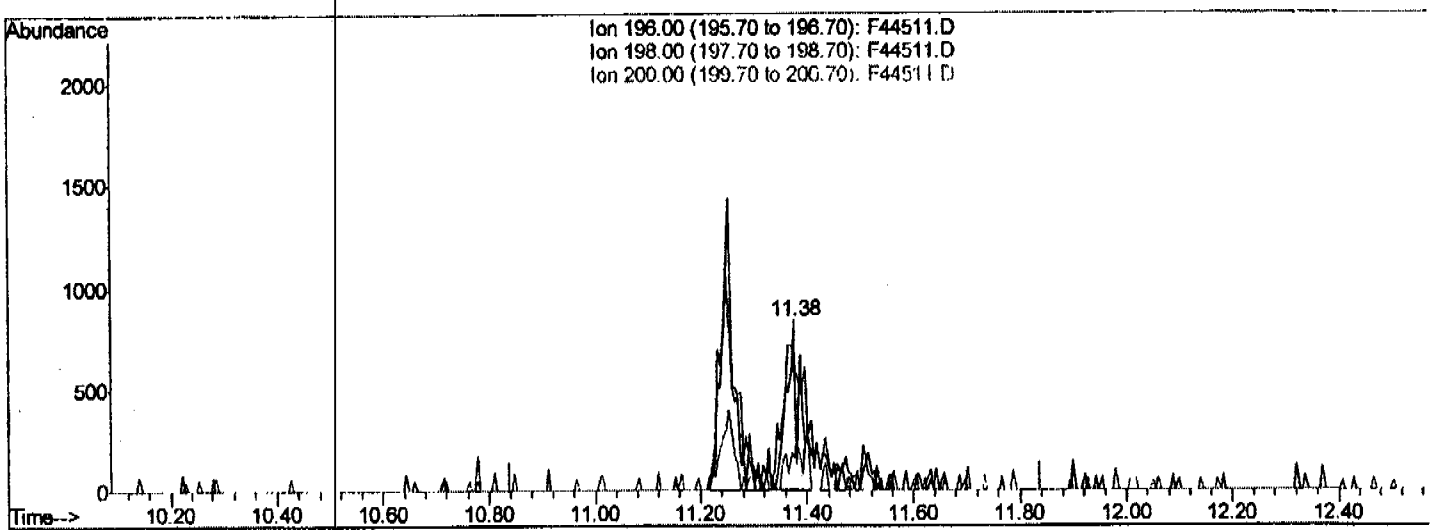
Ion	Exp%	Act%
55.00	100	100
113.00	97.80	53.71#
56.00	85.70	28.27#
84.00	69.70	97.88

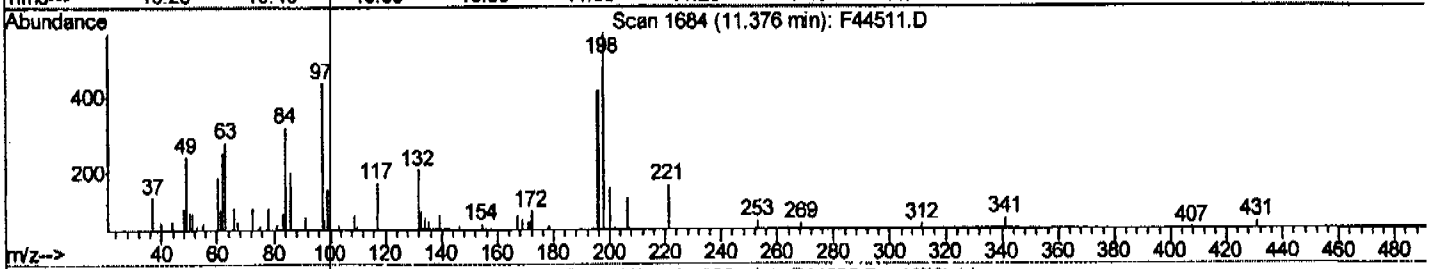
567

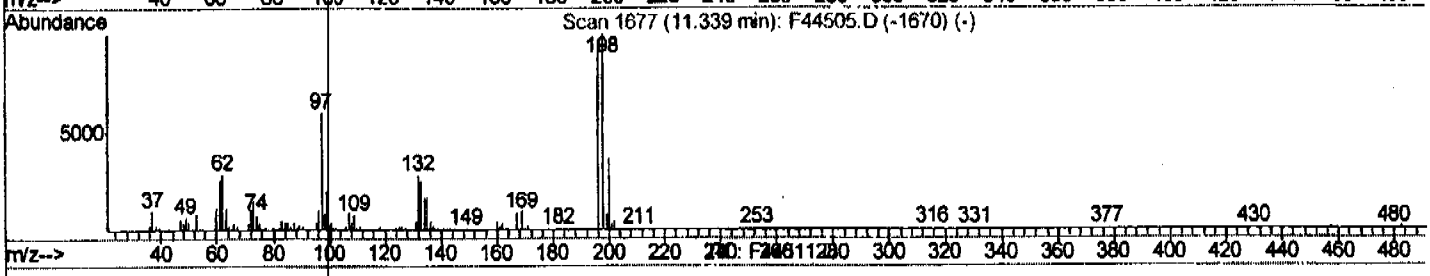
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:47 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(51) 2,4,5-Trichlorophenol (t)

11.38min 1.68ppb m

response 2497

Ion	Exp%	Act%
196.00	100	100
198.00	103.90	134.84#
200.00	36.90	37.47
0.00	0.00	0.00

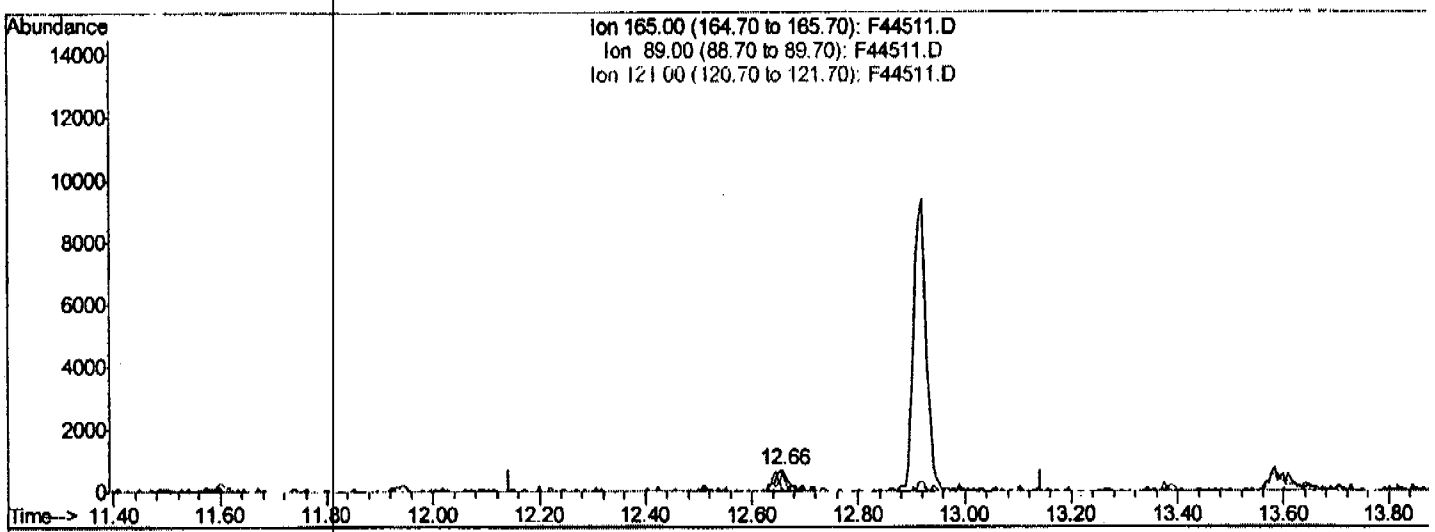
568

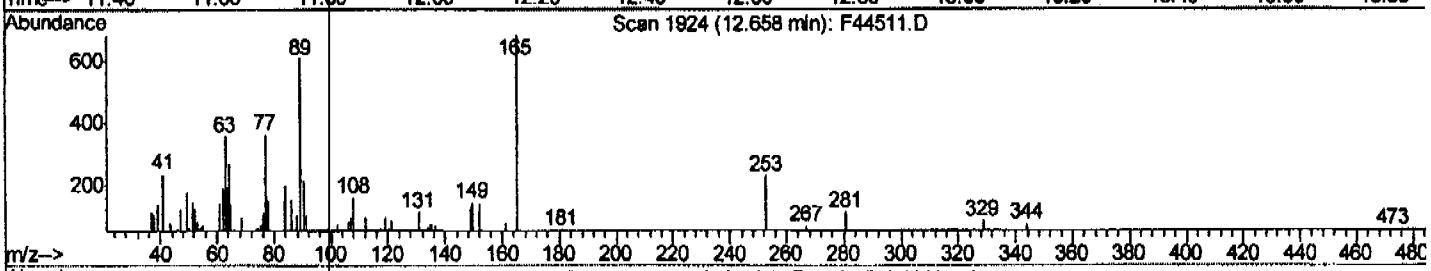
F44511.D MF2402.M Tue Aug 17 09:47:57 2004 MSF

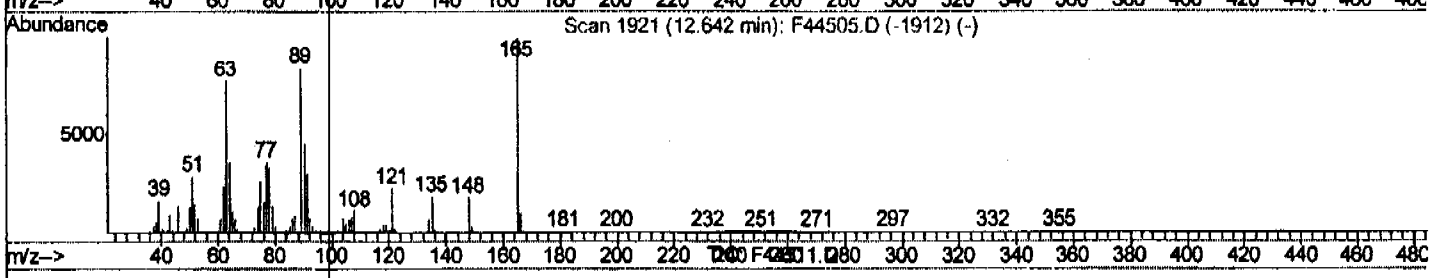
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(58) 2,6-Dinitrotoluene (t)

12.66min 1.51ppb m

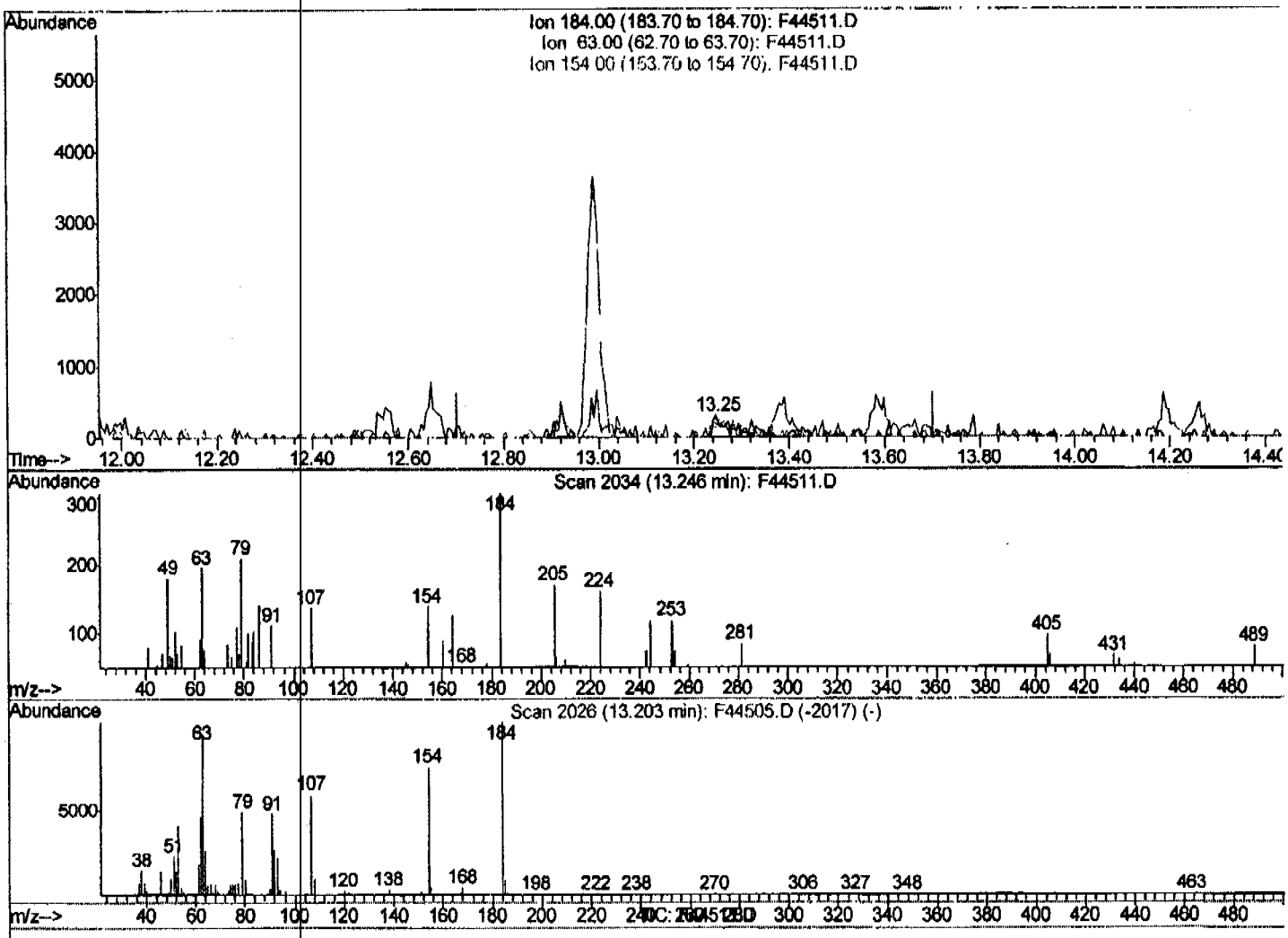
response 1459

Ion	Exp%	Act%
165.00	100	100
89.00	84.40	89.56
121.00	22.20	12.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration



(61) 2,4-Dinitrophenol (t)

13.25min 1.23ppb m

response 853

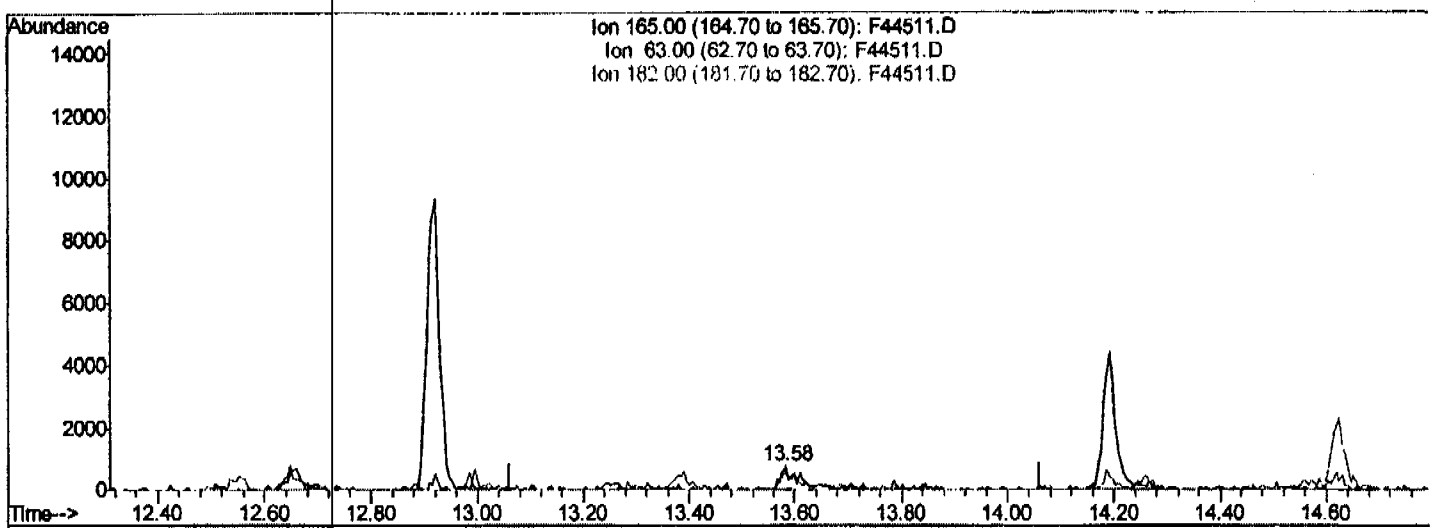
Ion	Exp%	Act%
184.00	100	100
63.00	92.80	63.73
154.00	73.80	45.10
0.00	0.00	0.00

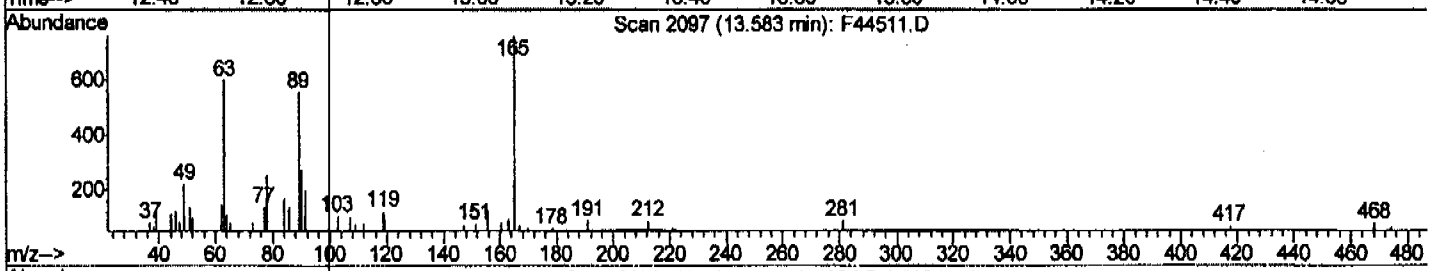
570

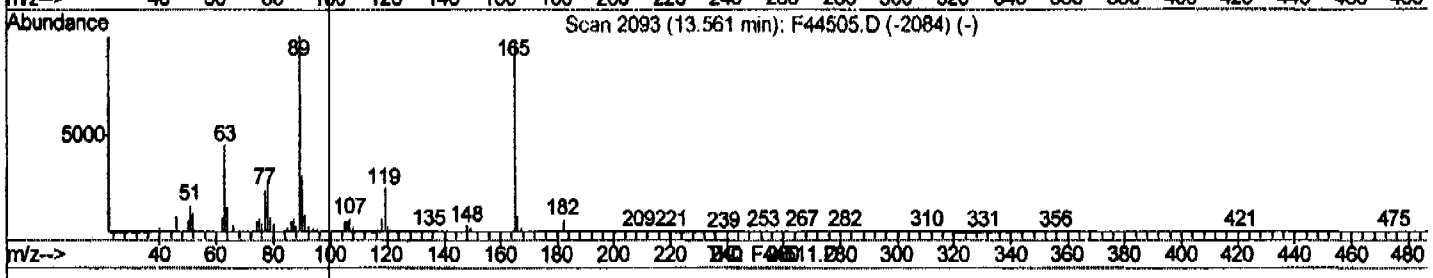
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(64) 2,4-Dinitrotoluene (t)

13.58min 1.54ppb m

response 2178

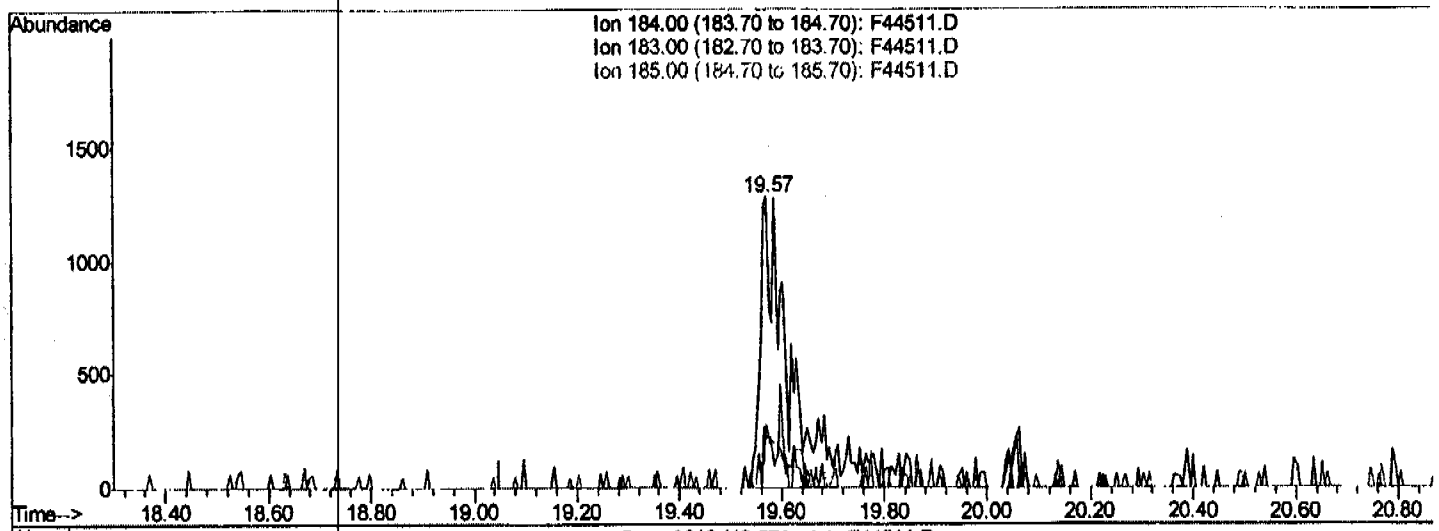
Ion	Exp%	Act%
165.00	100	100
63.00	55.40	78.95
182.00	5.80	0.00
0.00	0.00	0.00

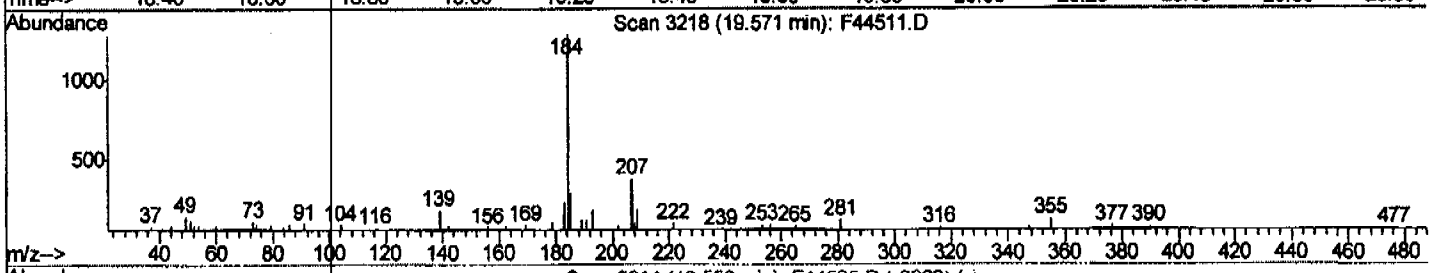
571

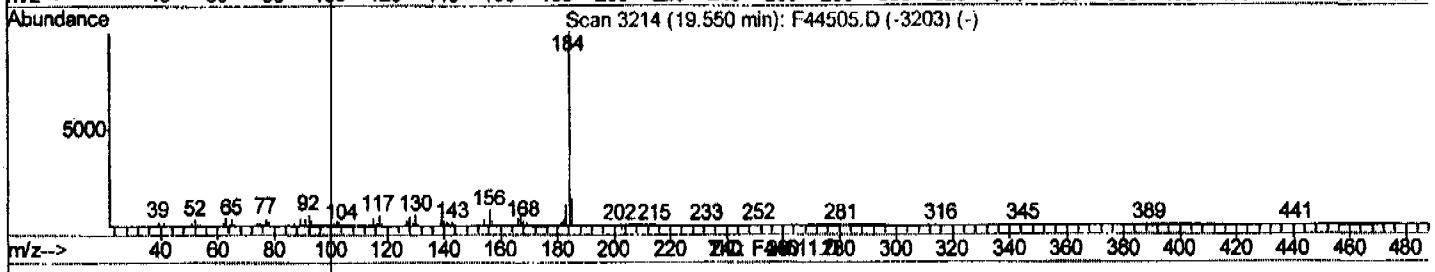
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:49 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(86) Benzidine (t)

19.57min 2.19ppb m

response 5530

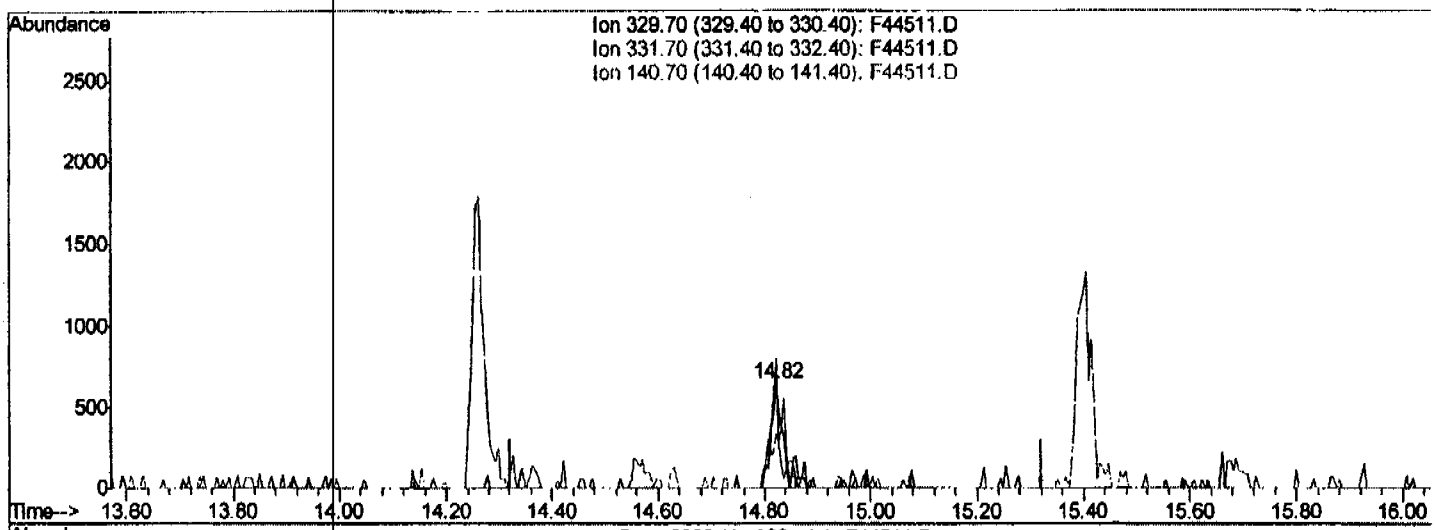
Ion	Exp%	Act%
184.00	100	100
183.00	10.90	17.02
185.00	14.00	21.78
0.00	0.00	0.00

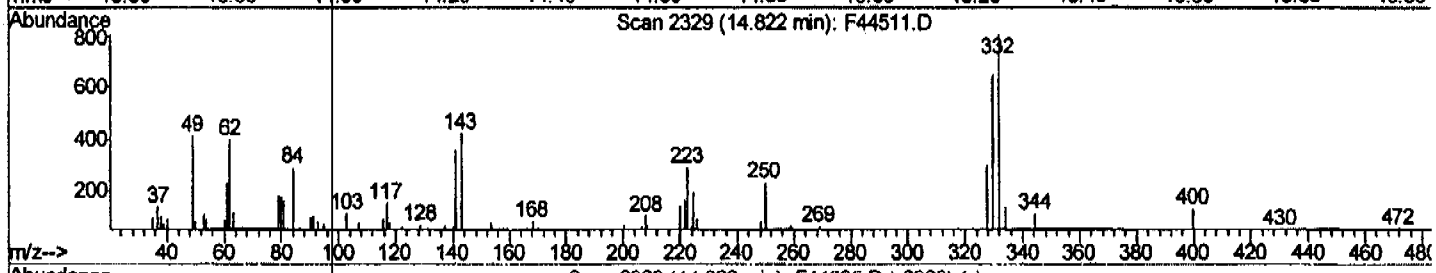
572

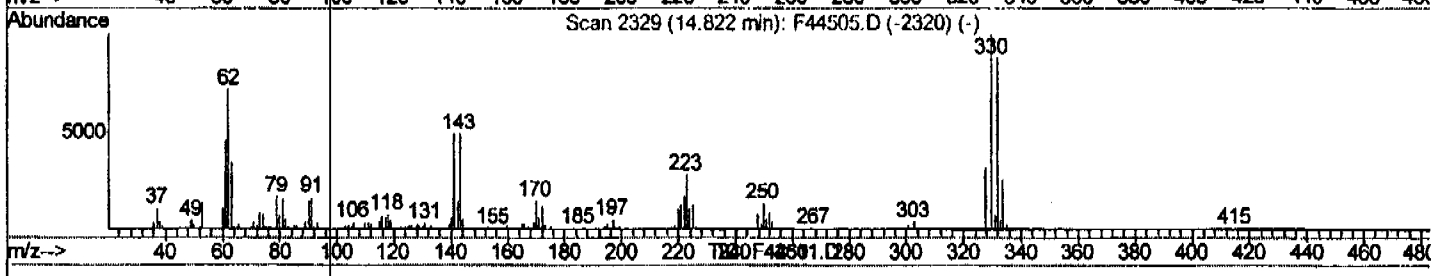
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44511.D Vial: 8
Acq On : 16 Aug 2004 3:59 pm Operator: NINAP
Sample : IC2402-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 9:49 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 09:37:05 2004
Response via : Multiple Level Calibration







(75) 2,4,6-Tribromophenol (S)

14.82min 1.67ppb m

response 1231

Ion	Exp%	Act%
329.70	100	100
331.70	88.00	124.08#
140.70	49.00	54.29
0.00	0.00	0.00

573

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44513.D Vial: 10
Acq On : 16 Aug 2004 8:13 pm Operator: NINAP
Sample : ICC2403-50 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:05:48 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	51814	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	203447	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	127945	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	255059	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	334786	40.00 ppb	0.00
95) Perylene-d12	24.25	264	227451	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	51814	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	127945	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.48	105	64571	50.00 ng	93
109) 1,2,4,5-tetrachlorobenzene	10.95	216	120709	50.00 ng	98

574

(#) = qualifier out of range (m) = manual integration

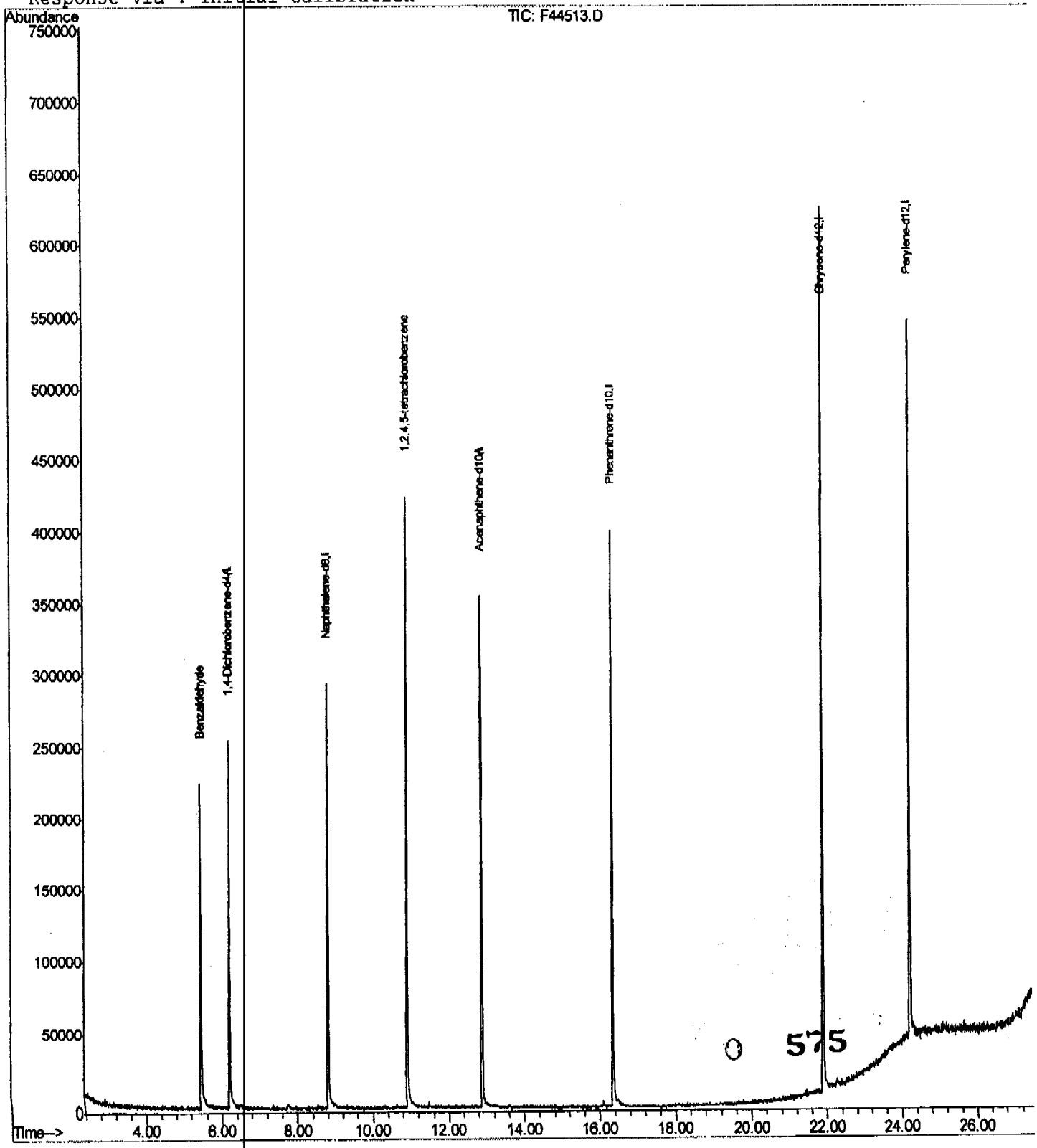
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44513.D
Acq On : 16 Aug 2004 8:13 pm
Sample : ICC2403-50
Misc : OP17679,EF2402
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:06 2004

Vial: 10
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44514.D Vial: 11
Acq On : 16 Aug 2004 8:49 pm Operator: NINAP
Sample : IC2403-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:12:00 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	48895	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	188765	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	119631	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	235056	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	318067	40.00 ppb	0.00
95) Perylene-d12	24.25	264	224790	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	48895	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	119631	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.47	105	128098	105.11 ng	93
109) 1,2,4,5-tetrachlorobenzene	10.95	216	240693	106.63 ng	96

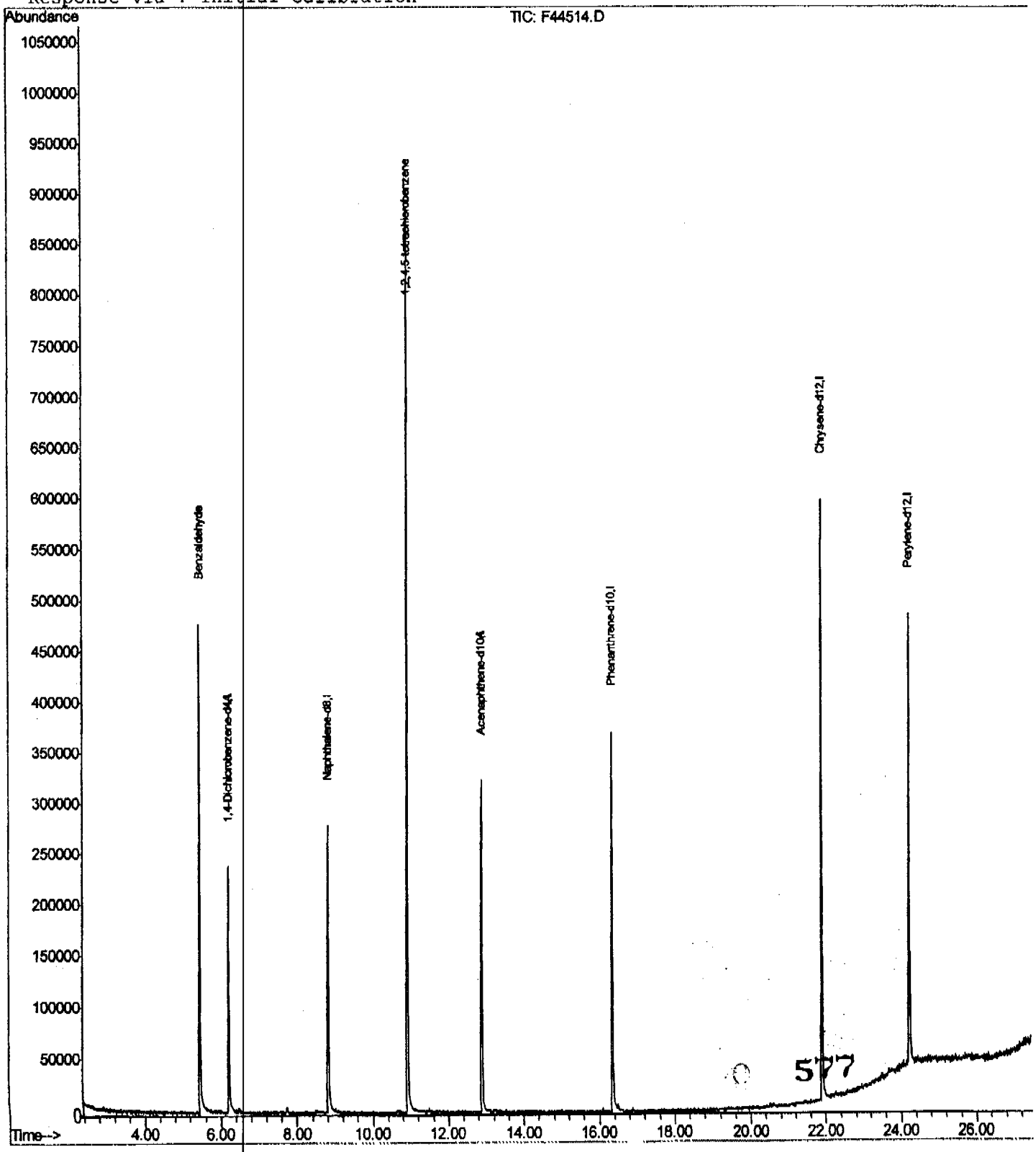
576

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44514.D Vial: 11
Acq On : 16 Aug 2004 8:49 pm Operator: NINAP
Sample : IC2403-100 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:12 2004 Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration



577

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44515.D Vial: 12
Acq On : 16 Aug 2004 9:25 pm Operator: NINAP
Sample : IC2403-80 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:12:53 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	38964	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	147649	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	89126	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	183033	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	234839	40.00 ppb	0.00
95) Perylene-d12	24.25	264	165220	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	38964	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	89126	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.47	105	78487	80.82 ng	95
109) 1,2,4,5-tetrachlorobenzene	10.95	216	142995	85.03 ng	98

08/17/04

578

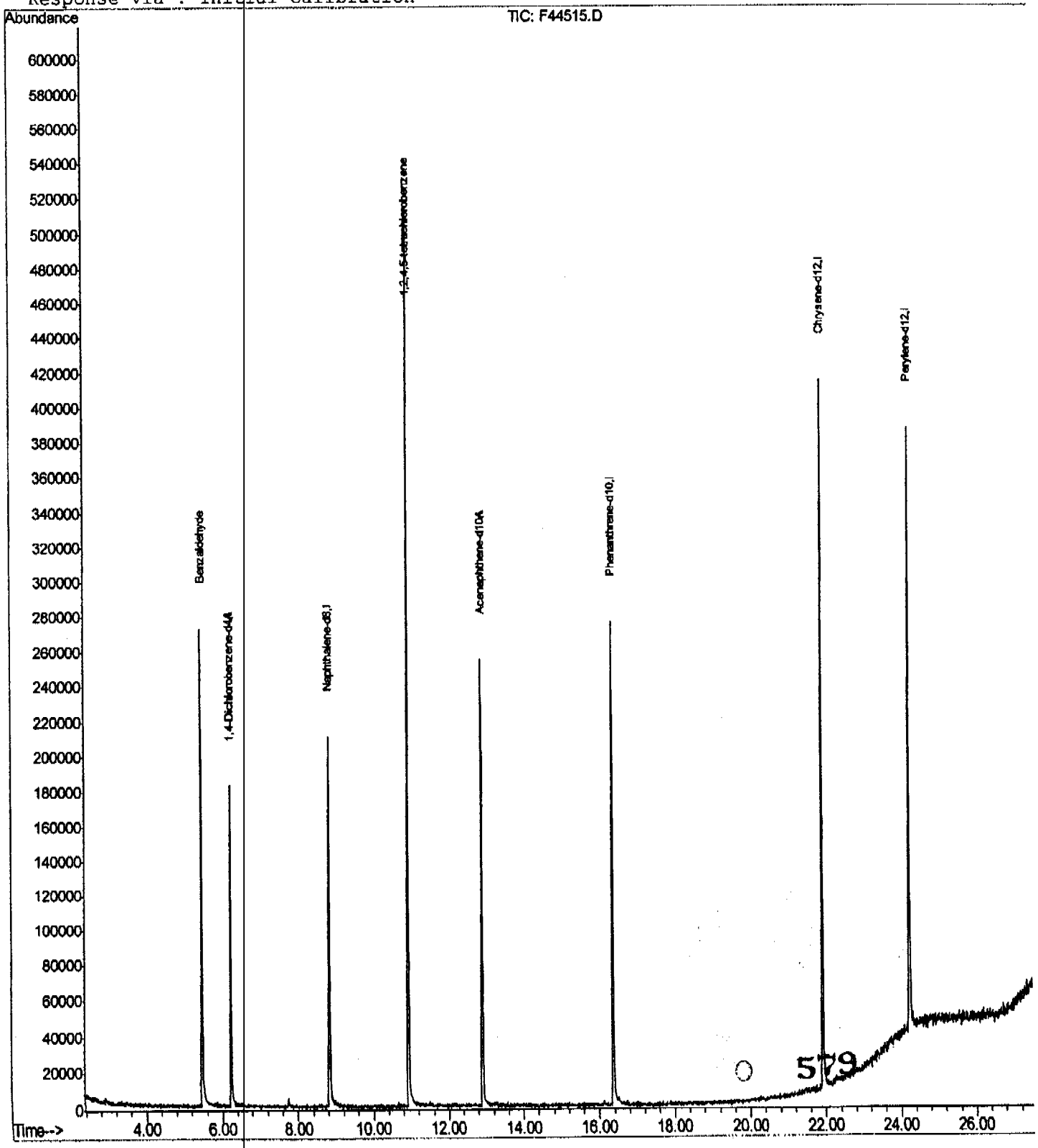
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44515.D
Acq On : 16 Aug 2004 9:25 pm
Sample : IC2403-80
Misc : OP17679,EF2402
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:13 2004

Vial: 12
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44516.D Vial: 13
Acq On : 16 Aug 2004 10:01 pm Operator: NINAP
Sample : IC2403-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:13:28 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	38683	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	149811	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	91987	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	186964	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	240298	40.00 ppb	0.00
95) Perylene-d12	24.25	264	169570	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	38683	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	91987	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	= 0.00%	

Target Compounds					Qvalue
107) Benzaldehyde	5.48	105	24901	25.83 ng	96
109) 1,2,4,5-tetrachlorobenzene	10.95	216	44047	25.38 ng	96

8/17/04

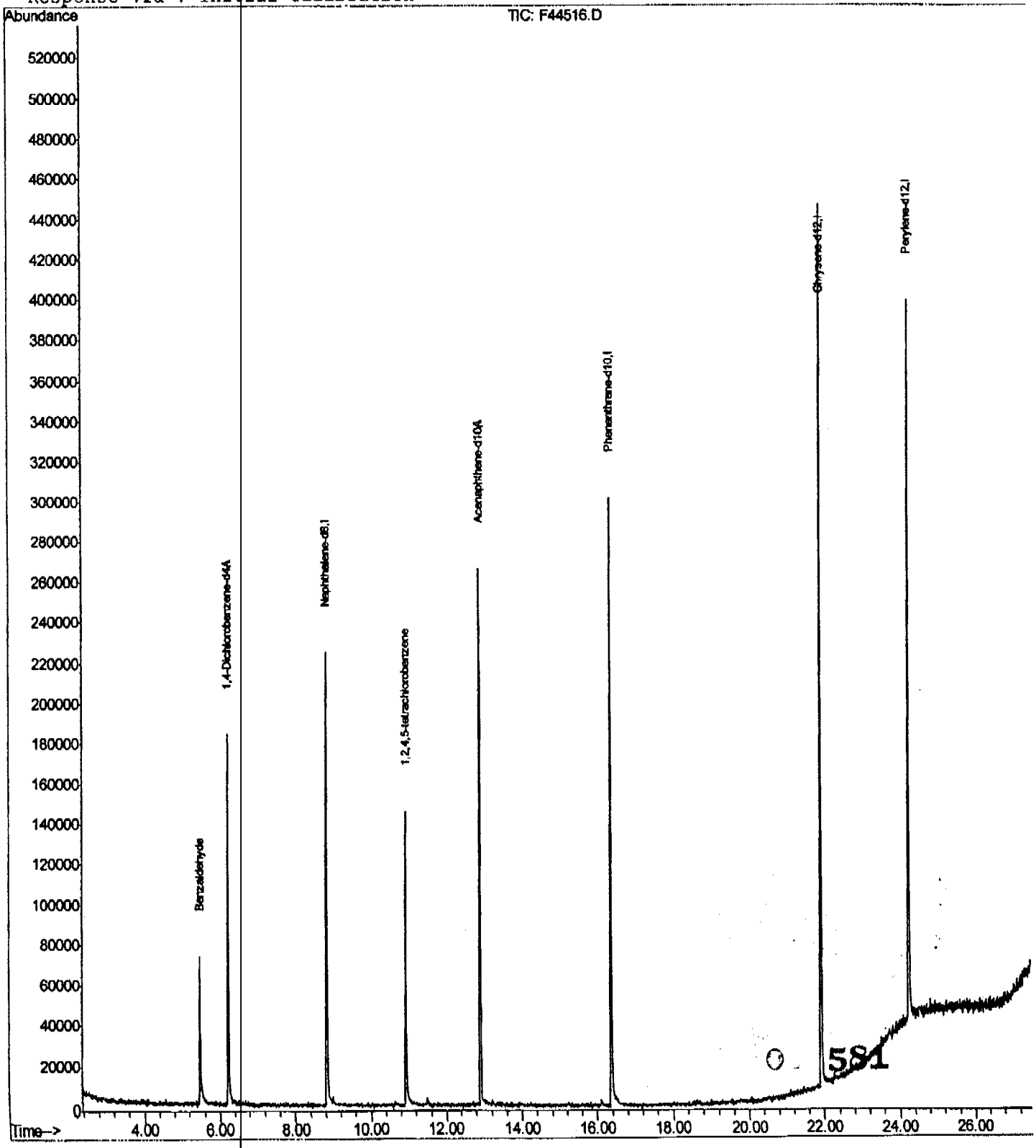
580

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44516.D Vial: 13
Acq On : 16 Aug 2004 10:01 pm Operator: NINAP
Sample : IC2403-25 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:13 2004 Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:05:46 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44517.D Vial: 14
Acq On : 16 Aug 2004 10:37 pm Operator: NINAP
Sample : IC2403-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:14:53 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	45669	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	175324	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	108537	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	211089	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	283301	40.00 ppb	0.00
95) Perylene-d12	24.25	264	206077	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	45669	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	108537	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.49	105	9304	8.17 ng	88
109) 1,2,4,5-tetrachlorobenzene	10.95	216	19386	9.47 ng	100

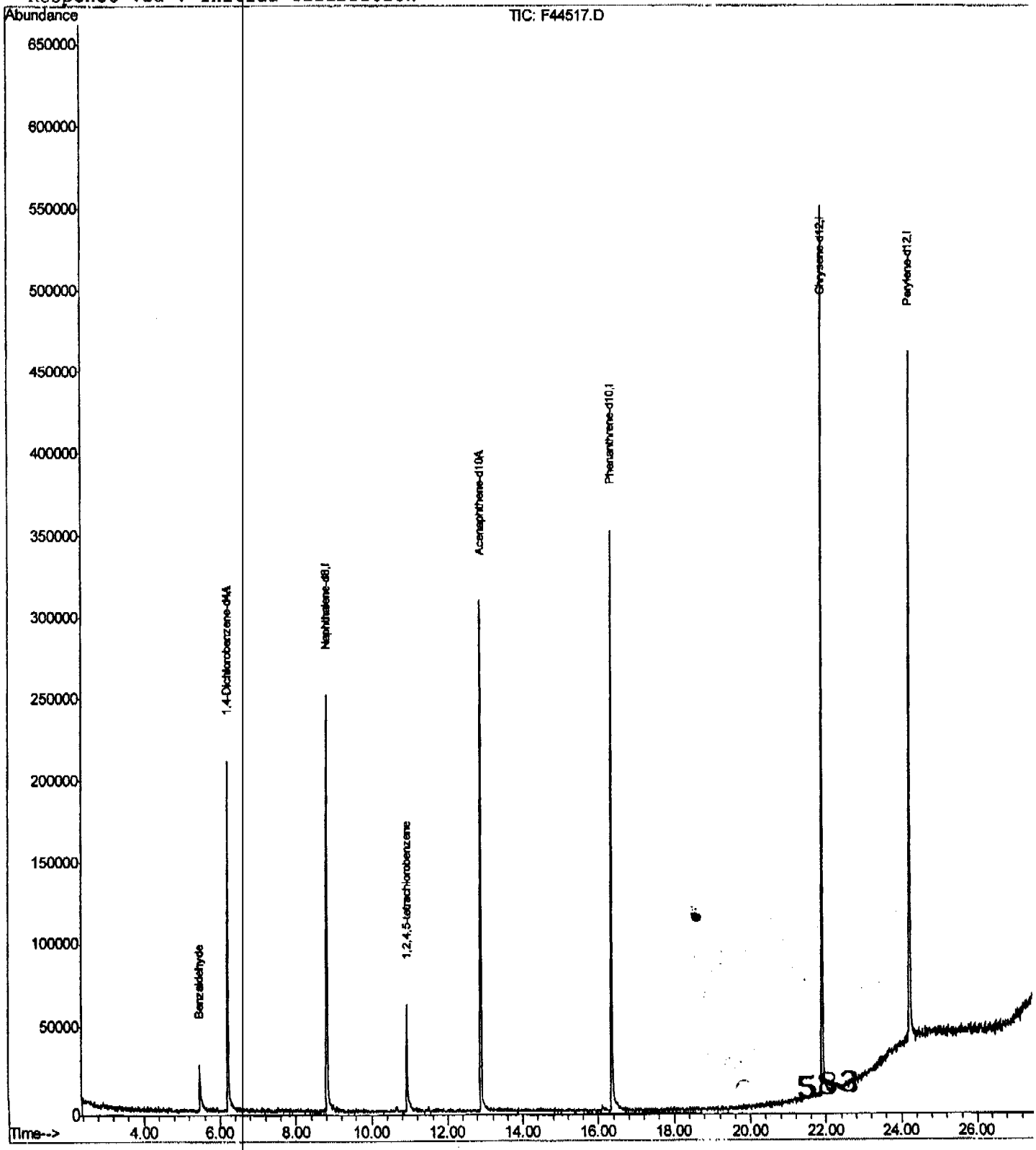
0 582

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44517.D Vial: 14
Acq On : 16 Aug 2004 10:37 pm Operator: NINAP
Sample : IC2403-10 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:15 2004 Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration



583

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44518.D
Acq On : 16 Aug 2004 11:13 pm
Sample : IC2403-5
Misc : OP17679,EF2402
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:15:23 2004

Vial: 15
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	43060	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	166155	40.00 ppb	0.00
48) Acenaphthene-d10	12.91	164	101207	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	197143	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	264947	40.00 ppb	0.00
95) Perylene-d12	24.25	264	189243	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	43060	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	101207	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery =	0.00%	

Target Compounds					Qvalue
107) Benzaldehyde	5.49	105	4282	3.99 ng #	82
109) 1,2,4,5-tetrachlorobenzene	10.96	216	9608	5.03 ng	92

8/17/04

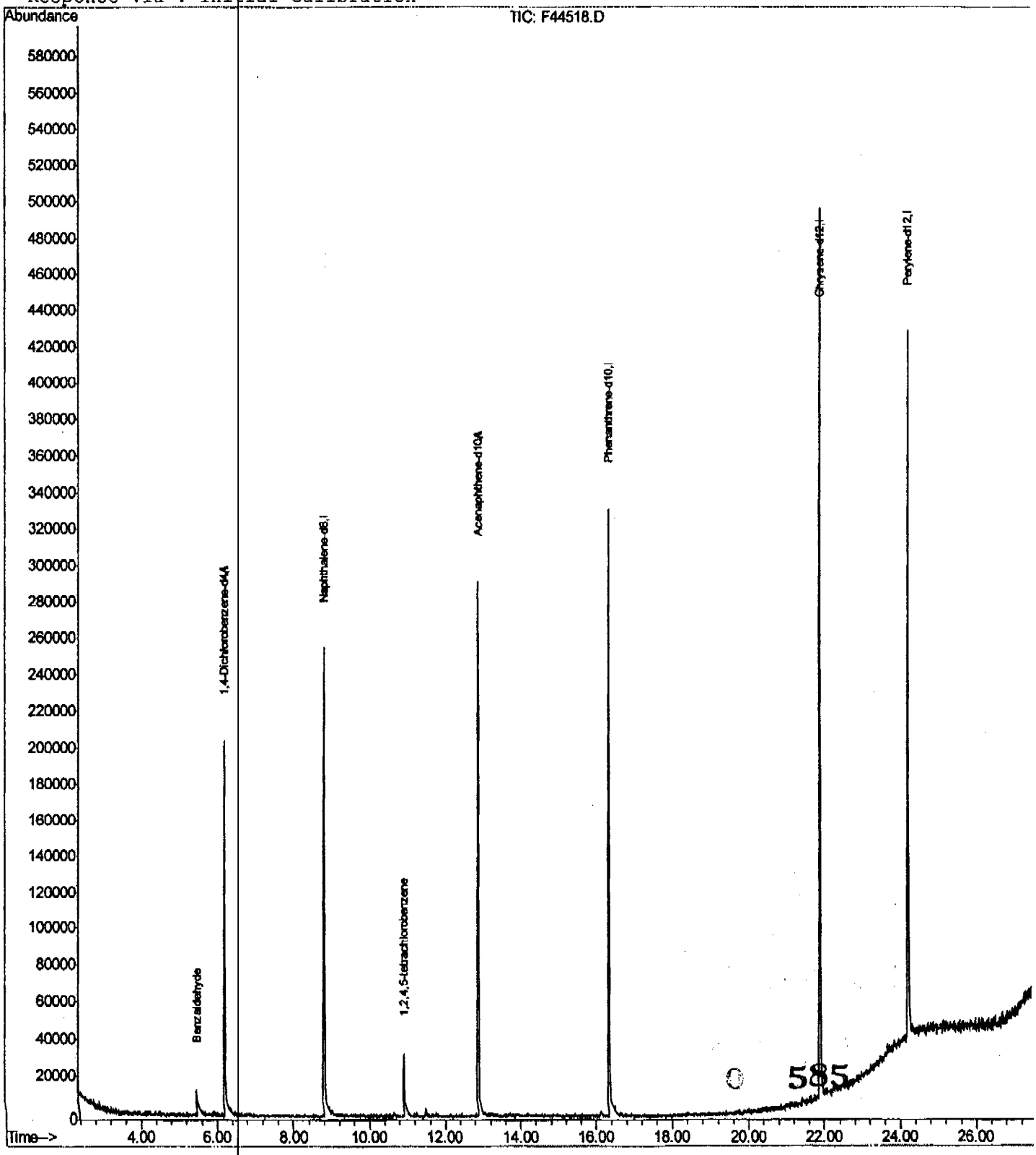
584

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44518.D Vial: 15
Acq On : 16 Aug 2004 11:13 pm Operator: NINAP
Sample : IC2403-5 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:15 2004 Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44519.D Vial: 16
Acq On : 16 Aug 2004 11:49 pm Operator: NINAP
Sample : IC2403-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:15:49 2004 Quant Results File: MF2403.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.23	152	43852	40.00 ppb	0.00
25) Naphthalene-d8	8.84	136	170647	40.00 ppb	0.00
48) Acenaphthene-d10	12.92	164	106439	40.00 ppb	0.00
70) Phenanthrene-d10	16.38	188	206576	40.00 ppb	0.00
85) Chrysene-d12	21.94	240	277939	40.00 ppb	0.00
95) Perylene-d12	24.25	264	198645	40.00 ppb	0.00
106) 1,4-Dichlorobenzene-d4A	6.23	152	43852	40.00 ppb	0.00
108) Acenaphthene-d10A	12.92	164	106439	40.00 ppb	0.00

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.53	105	2018	1.85 ng #	40
109) 1,2,4,5-tetrachlorobenzene	10.95	216	3734	1.86 ng	91

Nu 08/17/04

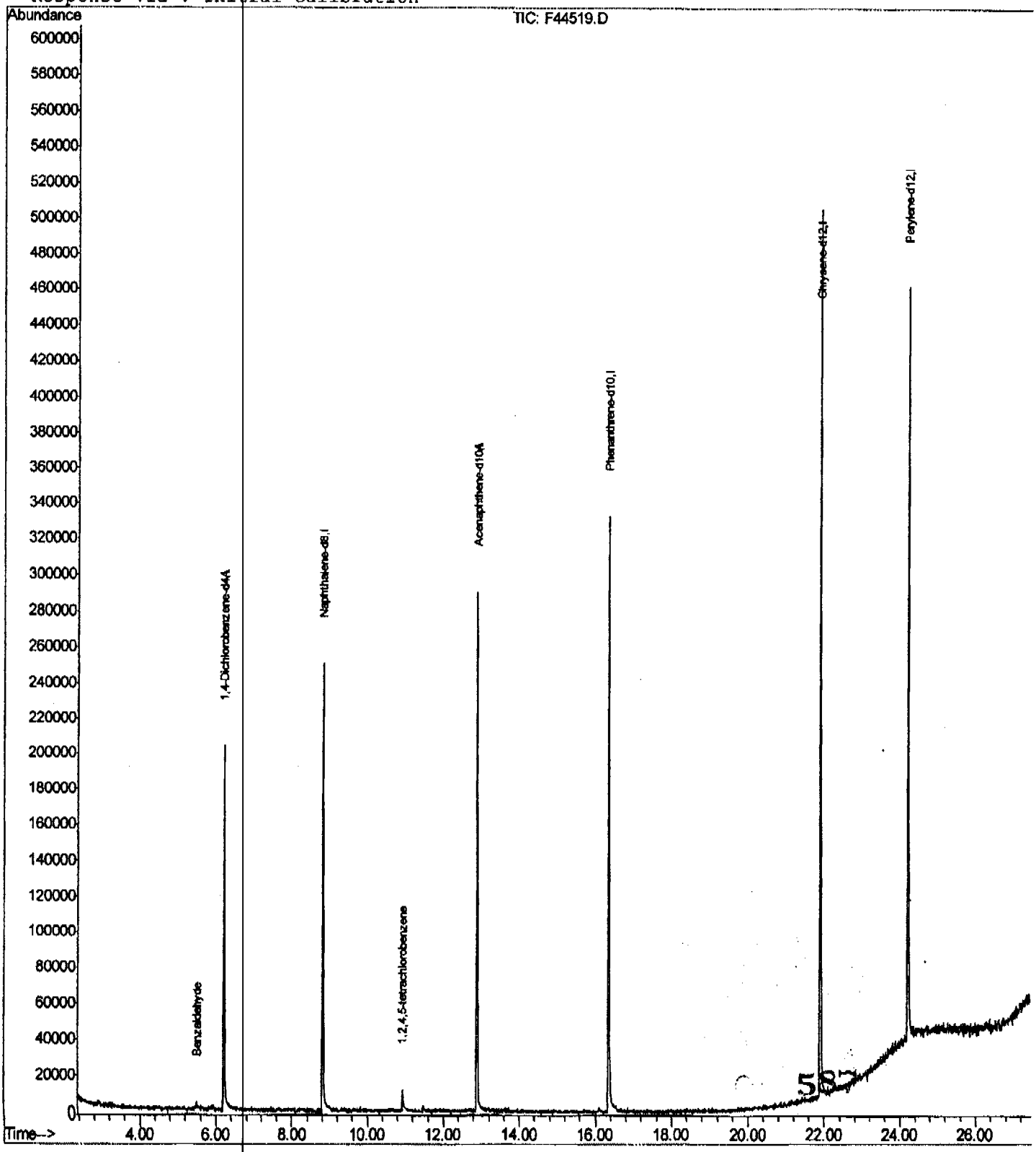
586

(#) = qualifier out of range (m) = manual integration
F44519.D MF2403.M Tue Aug 17 11:16:18 2004 MSF Page

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2402\F44519.D Vial: 16
Acq On : 16 Aug 2004 11:49 pm Operator: NINAP
Sample : IC2403-2 Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 17 11:15 2004 Quant Results File: MF2403.RES

Method : C:\MSDCHEM\1\METHODS\MF2403.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Tue Aug 17 11:14:43 2004
Response via : Initial Calibration



Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2404-CC2402
Lab FileID: F44551.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF2404D\F44551.D Vial: 2
Acq On : 18 Aug 2004 9:10 am Operator: NINAP
Sample : CC2402-25 Inst : MSF
Misc : OP17679,EF2404 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	-0.01	6.22
2	t	1,4-Dioxane	0.657	0.635	3.3	80	0.00	2.42
3	t	Pyridine	1.517	1.598	-5.3	79	0.01	2.76
4	t	N-Nitrosodimethylamine	0.913	0.884	3.2	77	0.00	2.72
5	S	2-Fluorophenol	1.124	1.199	-6.7	79	0.00	4.23
6	t	Indene	2.398	2.320	3.3	76	-0.01	6.76
7	t	Cumene	3.427	3.340	2.5	76	0.00	4.93
8	S	Phenol-d5	1.525	1.510	1.0	77	-0.01	5.71
9	t	Phenol	1.728	1.791	-3.6	79	0.00	5.73
10	t	Aniline	1.864	1.795	3.7	76	0.00	5.72
11	t	bis(2-Chloroethyl)ether	1.182	1.177	0.4	76	-0.01	5.82
12	t	Benzaldehyde	0.572	0.564	1.4	74	0.00	5.48
13	t	2-Chlorophenol	1.360	1.349	0.8	76	0.00	5.91
14	t	Decane	0.953	0.917	3.8	76	-0.01	5.99
15	t	1,3-Dichlorobenzene	1.566	1.548	1.1	78	-0.01	6.15
16	t	1,4-Dichlorobenzene	1.626	1.594	2.0	76	-0.01	6.25
17	t	Benzyl alcohol	0.871	0.813	6.7	72	0.00	6.57
18	t	1,2-Dichlorobenzene	1.499	1.527	-1.9	79	-0.01	6.61
19	t	Acetophenone	2.113	2.058	2.6	74	-0.01	7.07
20	t	2-Methylphenol	1.189	1.165	2.0	77	-0.01	6.85
21	t	2,2'-oxybis(1-Chloropropa	0.488	0.456	6.6	76	-0.02	6.86
22	t	3&4-Methylphenol	1.284	1.218	5.1	76	-0.02	7.15
23	t	n-Nitroso-di-n-propylamin	1.248	1.169	6.3	70	-0.02	7.13
24	t	Hexachloroethane	0.763	0.744	2.5	74	-0.01	7.20
25	I	Naphthalene-d8	1.000	1.000	0.0	76	-0.01	8.84
26	S	Nitrobenzene-d5	0.503	0.508	-1.0	76	-0.01	7.37
27	t	Nitrobenzene	0.161	0.167	-3.7	75	-0.01	7.41
28	t	Quinoline	0.701	0.679	3.1	74	-0.02	9.66
29	t	Isophorone	0.788	0.767	2.7	73	-0.01	7.90
30	t	2-Nitrophenol	0.197	0.194	1.5	78	-0.01	8.09
31	t	2,4-Dimethylphenol	0.435	0.433	0.5	81	-0.01	8.25
32	t	Benzoic acid	0.293	0.258	11.9	71	-0.07	8.51
33	t	bis(2-Chloroethoxy)methan	0.391	0.396	-1.3	76	-0.01	8.44
34	t	2,4-Dichlorophenol	0.310	0.329	-6.1	80	0.00	8.62
35		1,3,5-Trichlorobenzene	0.410	0.404	1.5	78	-0.01	8.09
36	t	1,2,4-Trichlorobenzene	0.394	0.388	1.5	77	-0.01	8.76
37		1,2,3-Trichlorobenzene	0.382	0.375	1.8	77	-0.02	9.29
38	t	alpha-Terpineol	0.302	0.292	3.3	72	-0.01	8.93
39	t	Naphthalene	1.114	1.097	1.5	[illegible]	-0.01	8.88
40	t	4-Chloroaniline	0.431	0.403	6.5	74	0.00	9.11
41	t	2,3-Dichloroaniline	0.410	0.404	1.5	76	-0.01	11.22

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2404-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44551.D
Project: Former Camp Butner, NC

42	t	Caprolactam	0.107	0.105	1.9	71	-0.03	9.82
43	t	Hexachlorobutadiene	0.349	0.335	4.0	75	-0.01	9.32
44	t	4-Chloro-3-methylphenol	0.352	0.366	-4.0	79	-0.02	10.31
45	t	2-Methylnaphthalene	0.749	0.750	-0.1	76	0.00	10.46
46	t	1-Methylnaphthalene	0.766	0.709	7.4	71	-0.02	10.69
47	t	Dimethylnaphthalene	0.737	0.733	0.5	76	-0.01	11.93
48	I	Acenaphthene-d10	1.000	1.000	0.0	74	-0.01	12.91
		----------	True	Calc.	% Drift	----------		
49	t	Hexachlorocyclopentadiene	50.000	42.406	15.2	70	0.00	11.00
		----------	AvgRF	CCRF	% Dev	----------		
50	t	2,4,6-Trichlorophenol	0.457	0.441	3.5	75	-0.01	11.23
51	t	2,4,5-Trichlorophenol	0.473	0.471	0.4	75	-0.01	11.33
52	S	2-Fluorobiphenyl	1.507	1.488	1.3	73	-0.01	11.40
53	t	2-Chloronaphthalene	1.199	1.178	1.8	74	-0.01	11.57
54	t	Biphenyl	1.685	1.676	0.5	76	-0.01	11.58
		----------	True	Calc.	% Drift	----------		
55	t	2-Nitroaniline	25.000	23.518	5.9	71	0.00	11.96
		----------	AvgRF	CCRF	% Dev	----------		
56	t	Dimethylphthalate	1.454	1.471	-1.2	75	-0.02	12.50
57	t	Acenaphthylene	1.811	1.808	0.2	72	-0.01	12.54
58	t	2,6-Dinitrotoluene	0.300	0.308	-2.7	73	-0.01	12.63
59	t	3-Nitroaniline	0.286	0.278	2.8	74	-0.01	12.95
60	t	Acenaphthene	1.271	1.281	-0.8	78	-0.02	12.98
		----------	True	Calc.	% Drift	----------		
61	t	2,4-Dinitrophenol	50.000	44.438	11.1	70	-0.01	13.19
62	t	4-Nitrophenol	25.000	21.358	14.6	66	0.00	13.51
		----------	AvgRF	CCRF	% Dev	----------		
63	t	Dibenzofuran	1.750	1.732	1.0	76	-0.01	13.37
64	t	2,4-Dinitrotoluene	0.441	0.437	0.9	72	0.00	13.56
65		2,3,4,6-Tetrachlorophenol	0.467	0.447	4.3	71	-0.01	13.82
66	t	Diethylphthalate	1.659	1.567	5.5	70	-0.02	14.20
67	t	Fluorene	1.523	1.485	2.5	74	-0.02	14.18
68	t	4-Chlorophenyl-phenylethe	0.852	0.831	2.5	75	-0.02	14.24
69	t	4-Nitroaniline	0.283	0.266	6.0	77	-0.02	14.41
70	I	Phenanthrene-d10	1.000	1.000	0.0	69	-0.02	16.37
71	t	4,6-Dinitro-2-methylpheno	0.148	0.144	2.7	68	-0.01	14.51
72	t	Atrazine	0.213	0.194	8.9	63	-0.02	15.98
73	t	n-Nitrosodiphenylamine	0.507	0.551	-8.7	75	-0.02	14.56
74	t	1,2-Diphenylhydrazine	0.861	0.928	-7.8	72	-0.02	14.61
75	S	2,4,6-Tribromophenol	0.120	0.137	-14.2	76	-0.02	14.80
76	t	4-Bromophenyl-phenylether	0.259	0.275	-6.2	71	-0.01	15.39
77	t	Hexachlorobenzene	0.277	0.286	-3.2	73	-0.01	15.68
78	t	Pentachlorophenol	0.176	0.177	-0.6	70	-0.02	16.14
79	t	Phenanthrene	1.091	1.170	-7.2	75	-0.02	16.42
80	t	Anthracene	1.063	1.121	-5.5	71	-0.02	16.53
81	t	Carbazole	0.879	0.934	-6.3	72	-0.02	16.99
82	t	Di-n-butylphthalate	1.175	1.219	-3.7	69	-0.01	18.09
83	t	Fluoranthene	1.349	1.408	-4.4	71	-0.01	19.17
84	t	Octadecane	0.324	0.348	-7.4	70	-0.02	16.37
85	I	Chrysene-d12	1.000	1.000	0.0	[illegible]	-0.02	21.93
86	t	Benzidine	0.236	0.176	25.4#	63	0.00	19.54

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2404-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44551.D
Project: Former Camp Butner, NC

87	t	Pyrene	1.095	1.164	-6.3	71	-0.02	19.61
88	S	Terphenyl-d14	0.839	0.898	-7.0	70	-0.02	20.04
89	t	Butylbenzylphthalate	0.416	0.431	-3.6	68	-0.01	21.09
90		Butyl stearate	0.161	0.163	-1.2	69	-0.01	21.20
91	t	Benzo[a]anthracene	1.156	1.183	-2.3	71	-0.02	21.90
92	t	3,3'-Dichlorobenzidine	0.369	0.391	-6.0	70	-0.01	21.94
93	t	Chrysene	1.113	1.170	-5.1	72	-0.02	21.97
		----------	True	Calc.	% Drift	----------		
94	t	bis(2-Ethylhexyl)phthalat	25.000	23.471	6.1	66	0.00	22.19
		----------	AvgRF	CCRF	% Dev	----------		
95	I	Perylene-d12	1.000	1.000	0.0	69	-0.01	24.24
		----------	True	Calc.	% Drift	----------		
96	t	Di-n-octylphthalate	25.000	21.632	13.5	65	-0.01	23.18
		----------	AvgRF	CCRF	% Dev	----------		
97	t	Benzo[b]fluoranthene	1.669	1.720	-3.1	73	-0.01	23.66
98	t	Benzo[k]fluoranthene	1.901	1.866	1.8	70	-0.02	23.70
99	t	Benzo[a]pyrene	1.502	1.563	-4.1	72	-0.01	24.15
100	t	Indeno[1,2,3-cd]pyrene	1.821	1.884	-3.5	71	-0.03	26.15
101	t	Dibenz(a,h)acridine	1.368	1.438	-5.1	70	-0.03	25.71
102	t	Dibenz[a,h]anthracene	1.541	1.626	-5.5	72	-0.03	26.18
		----------	True	Calc.	% Drift	----------		
103	t	7,12-Dimethylbenz(a)anthr	25.000	21.960	12.2	68	-0.02	23.68
		----------	AvgRF	CCRF	% Dev	----------		
104	t	3-Methylcholanthrene		----------NA----------				
105	t	Benzo[g,h,i]perylene	1.493	1.590	-6.5	73	-0.03	26.69
106		1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	116	0.00	6.22
107		Benzaldehyde		----------NA----------				
108		Acenaphthene-d10A	1.000	1.000	0.0	114	-0.01	12.91
109		1,2,4,5-Tetrachlorobenzen		----------NA----------				

Average % D = 4.3

(1.0 %) 1 of 100 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F44508.D MF2402.M Wed Aug 25 12:33:13 2004 MSF

Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2404-CC2402
Lab FileID: F44552.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF2404D\F44552.D Vial: 3
Acq On : 18 Aug 2004 9:46 am Operator: NINAP
Sample : CC2402-50 Inst : MSF
Misc : OP17679,EF2404 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	-0.01	6.22
2	t	1,4-Dioxane		----------NA----------				
3	t	Pyridine		----------NA----------				
4	t	N-Nitrosodimethylamine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene		----------NA----------				
7	t	Cumene		----------NA----------				
8	S	Phenol-d5		----------NA----------				
9	t	Phenol		----------NA----------				
10	t	Aniline		----------NA----------				
11	t	bis(2-Chloroethyl)ether		----------NA----------				
12	t	Benzaldehyde		----------NA----------				
13	t	2-Chlorophenol		----------NA----------				
14	t	Decane		----------NA----------				
15	t	1,3-Dichlorobenzene		----------NA----------				
16	t	1,4-Dichlorobenzene		----------NA----------				
17	t	Benzyl alcohol		----------NA----------				
18	t	1,2-Dichlorobenzene		----------NA----------				
19	t	Acetophenone		----------NA----------				
20	t	2-Methylphenol		----------NA----------				
21	t	2,2'-oxybis(1-Chloropropa		----------NA----------				
22	t	3&4-Methylphenol		----------NA----------				
23	t	n-Nitroso-di-n-propylamin		----------NA----------				
24	t	Hexachloroethane		----------NA----------				
25	I	Naphthalene-d8	1.000	1.000	0.0	77	-0.02	8.83
26	S	Nitrobenzene-d5		----------NA----------				
27	t	Nitrobenzene		----------NA----------				
28	t	Quinoline		----------NA----------				
29	t	Isophorone		----------NA----------				
30	t	2-Nitrophenol		----------NA----------				
31	t	2,4-Dimethylphenol		----------NA----------				
32	t	Benzoic acid		----------NA----------				
33	t	bis(2-Chloroethoxy)methan		----------NA----------				
34	t	2,4-Dichlorophenol		----------NA----------				
35		1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene		----------NA----------				
37		1,2,3-Trichlorobenzene		----------NA----------				
38	t	alpha-Terpineol		----------NA----------				
39	t	Naphthalene		----------NA----------				
40	t	4-Chloroaniline		----------NA----------				
41	t	2,3-Dichloroaniline		----------NA----------				

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2404-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44552.D
Project: Former Camp Butner, NC

42	t	Caprolactam		----------NA----------				
43	t	Hexachlorobutadiene		----------NA----------				
44	t	4-Chloro-3-methylphenol		----------NA----------				
45	t	2-Methylnaphthalene		----------NA----------				
46	t	1-Methylnaphthalene		----------NA----------				
47	t	Dimethylnaphthalene		----------NA----------				
48	I	Acenaphthene-d10	1.000	1.000	0.0	74	-0.01	12.91
		----------	True	Calc.	% Drift	----------		
49	t	Hexachlorocyclopentadiene		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
50	t	2,4,6-Trichlorophenol		----------NA----------				
51	t	2,4,5-Trichlorophenol		----------NA----------				
52	S	2-Fluorobiphenyl		----------NA----------				
53	t	2-Chloronaphthalene		----------NA----------				
54	t	Biphenyl		----------NA----------				
		----------	True	Calc.	% Drift	----------		
55	t	2-Nitroaniline		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
56	t	Dimethylphthalate		----------NA----------				
57	t	Acenaphthylene		----------NA----------				
58	t	2,6-Dinitrotoluene		----------NA----------				
59	t	3-Nitroaniline		----------NA----------				
60	t	Acenaphthene		----------NA----------				
		----------	True	Calc.	% Drift	----------		
61	t	2,4-Dinitrophenol		----------NA----------				
62	t	4-Nitrophenol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
63	t	Dibenzofuran		----------NA----------				
64	t	2,4-Dinitrotoluene		----------NA----------				
65		2,3,4,6-Tetrachlorophenol		----------NA----------				
66	t	Diethylphthalate		----------NA----------				
67	t	Fluorene		----------NA----------				
68	t	4-Chlorophenyl-phenylethe		----------NA----------				
69	t	4-Nitroaniline		----------NA----------				
70	I	Phenanthrene-d10	1.000	1.000	0.0	68	-0.02	16.37
71	t	4,6-Dinitro-2-methylpheno		----------NA----------				
72	t	Atrazine		----------NA----------				
73	t	n-Nitrosodiphenylamine		----------NA----------				
74	t	1,2-Diphenylhydrazine		----------NA----------				
75	S	2,4,6-Tribromophenol		----------NA----------				
76	t	4-Bromophenyl-phenylether		----------NA----------				
77	t	Hexachlorobenzene		----------NA----------				
78	t	Pentachlorophenol		----------NA----------				
79	t	Phenanthrene		----------NA----------				
80	t	Anthracene		----------NA----------				
81	t	Carbazole		----------NA----------				
82	t	Di-n-butylphthalate		----------NA----------				
83	t	Fluoranthene		----------NA----------				
84	t	Octadecane		----------NA----------				
85	I	Chrysene-d12	1.000	1.000	0.0	69	-0.02	21.93
86	t	Benzidine		----------NA----------				

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2404-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44552.D
Project: Former Camp Butner, NC

87	t	Pyrene			NA			
88	S	Terphenyl-d14			NA			
89	t	Butylbenzylphthalate			NA			
90		Butyl stearate			NA			
91	t	Benzo[a]anthracene			NA			
92	t	3,3'-Dichlorobenzidine			NA			
93	t	Chrysene			NA			
			True	Calc.	% Drift			
94	t	bis(2-Ethylhexyl)phthalat			NA			
			AvgRF	CCRF	% Dev			
95	I	Perylene-d12	1.000	1.000	0.0	73	-0.02	24.23
			True	Calc.	% Drift			
96	t	Di-n-octylphthalate			NA			
			AvgRF	CCRF	% Dev			
97	t	Benzo[b]fluoranthene			NA			
98	t	Benzo[k]fluoranthene			NA			
99	t	Benzo[a]pyrene			NA			
100	t	Indeno[1,2,3-cd]pyrene			NA			
101	t	Dibenz(a,h)acridine			NA			
102	t	Dibenz[a,h]anthracene			NA			
			True	Calc.	% Drift			
103	t	7,12-Dimethylbenz(a)anthr			NA			
			AvgRF	CCRF	% Dev			
104	t	3-Methylcholanthrene			NA			
105	t	Benzo[g,h,i]perylene			NA			
106		1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	73	0.00	6.22
107		Benzaldehyde	0.945	1.048	-10.9	77	-0.01	5.47
108		Acenaphthene-d10A	1.000	1.000	0.0	71	-0.01	12.91
109		1,2,4,5-Tetrachlorobenzen	0.758	0.779	-2.8	73	-0.01	10.94

Average % D = 3.4

(0.0 %) 0 of 4 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F44505.D MF2402.M Wed Aug 25 12:33:39 2004 MSF

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44551.D Vial: 2
Acq On : 18 Aug 2004 9:10 am Operator: NINAP
Sample : CC2302-25 Inst : MSF
Misc : OP17679,EF2404 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:54:23 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	45008	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	167966	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	105045	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	204780	40.00 ppb	-0.02
85) Chrysene-d12	21.93	240	263403	40.00 ppb	-0.02
95) Perylene-d12	24.24	264	179212	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.22	152	45008	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	105045	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	33714	26.65 ppb	0.00
Spiked Amount 50.000			Recovery = 53.30%		
8) Phenol-d5	5.71	99	42477	24.75 ppb	-0.01
Spiked Amount 50.000			Recovery = 49.50%		
26) Nitrobenzene-d5	7.37	82	53282	25.25 ppb	-0.01
Spiked Amount 50.000			Recovery = 50.50%		
52) 2-Fluorobiphenyl	11.40	172	97678	24.68 ppb	-0.01
Spiked Amount 50.000			Recovery = 49.36%		
75) 2,4,6-Tribromophenol	14.80	330	17492	28.45 ppb	-0.02
Spiked Amount 50.000			Recovery = 56.90%		
88) Terphenyl-d14	20.04	244	147762	26.74 ppb	-0.02
Spiked Amount 50.000			Recovery = 53.48%		

Target Compounds					Qvalue
2) 1,4-Dioxane	2.42	88	17870	24.18 ppb	97
3) Pyridine	2.76	79	44947	26.34 ppb	88
4) N-Nitrosodimethylamine	2.72	42	24876	24.21 ppb	93
6) Indene	6.76	116	65271	24.19 ppb	91
7) Cumene	4.93	105	93958	24.37 ppb	99
9) Phenol	5.73	94	50389	25.92 ppb	93
10) Aniline	5.72	93	50496	24.07 ppb	76
11) bis(2-Chloroethyl)ether	5.82	93	33111	24.89 ppb	95
12) Benzaldehyde	5.48	105	15863	24.64 ppb	89
13) 2-Chlorophenol	5.91	128	37934	24.79 ppb	95
14) Decane	5.99	43	25802	24.07 ppb	96
15) 1,3-Dichlorobenzene	6.15	146	43536	24.71 ppb	97
16) 1,4-Dichlorobenzene	6.25	146	44834	24.50 ppb	92
17) Benzyl alcohol	6.57	108	22873	23.33 ppb	85
18) 1,2-Dichlorobenzene	6.61	146	42946	25.46 ppb	98
19) Acetophenone	7.07	105	57897	24.35 ppb	98
20) 2-Methylphenol	6.85	108	32771	24.49 ppb	99
21) 2,2'-oxybis(1-Chloropropan	6.86	121	12828	23.35 ppb #	78
22) 3&4-Methylphenol	7.15	108	34263	23.72 ppb	86
23) n-Nitroso-di-n-propylamine	7.13	70	32898	23.43 ppb	93
24) Hexachloroethane	7.20	201	20930	24.38 ppb	99
27) Nitrobenzene	7.41	123	17557	26.02 ppb #	81
28) Quinoline	9.66	129	71305	24.24 ppb	97
29) Isophorone	7.90	82	80549	24.35 ppb	97
30) 2-Nitrophenol	8.09	139	20418	24.69 ppb	95
31) 2,4-Dimethylphenol	8.25	107	45409	24.83 ppb	95

594

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44551.D Vial: 2
Acq On : 18 Aug 2004 9:10 am Operator: NINAP
Sample : CC2302-25 Inst : MSF
Misc : OP17679,EF2404 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:54:23 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
32) Benzoic acid	8.51	105	27083	21.98 ppb		97
33) bis(2-Chloroethoxy)methane	8.44	93	41551	25.30 ppb		98
34) 2,4-Dichlorophenol	8.62	162	34539	26.49 ppb		94
35) 1,3,5-Trichlorobenzene	8.09	180	42412	24.61 ppb		99
36) 1,2,4-Trichlorobenzene	8.76	180	40680	24.60 ppb		94
37) 1,2,3-Trichlorobenzene	9.29	180	39389	24.57 ppb		98
38) alpha-Terpineol	8.93	59	30679	24.20 ppb		96
39) Naphthalene	8.88	128	115155	24.62 ppb		99
40) 4-Chloroaniline	9.11	127	42325	23.39 ppb		96
41) 2,3-Dichloroaniline	11.22	161	42365	24.60 ppb		99
42) Caprolactam	9.82	55	11004	24.51 ppb		94
43) Hexachlorobutadiene	9.32	225	35188	24.03 ppb		96
44) 4-Chloro-3-methylphenol	10.31	107	38411	25.95 ppb	#	47
45) 2-Methylnaphthalene	10.46	142	78693	25.00 ppb		96
46) 1-Methylnaphthalene	10.69	142	74406	23.14 ppb		97
47) Dimethylnaphthalene	11.93	156	76928	24.86 ppb		96
49) Hexachlorocyclopentadiene	11.00	237	62582	42.41 ppb		91
50) 2,4,6-Trichlorophenol	11.23	196	28955	24.15 ppb		84
51) 2,4,5-Trichlorophenol	11.33	196	30955	24.91 ppb		96
53) 2-Chloronaphthalene	11.57	162	77324	24.56 ppb		95
54) Biphenyl	11.58	154	110054	24.88 ppb		95
55) 2-Nitroaniline	11.96	65	28204	23.52 ppb		94
56) Dimethylphthalate	12.50	163	96608	25.30 ppb		96
57) Acenaphthylene	12.54	152	118733	24.97 ppb		96
58) 2,6-Dinitrotoluene	12.63	165	20212	25.63 ppb		97
59) 3-Nitroaniline	12.95	138	18234	24.32 ppb		85
60) Acenaphthene	12.98	153	84109	25.19 ppb		93
61) 2,4-Dinitrophenol	13.19	184	24522	44.44 ppb		95
62) 4-Nitrophenol	13.51	109	19200	21.36 ppb		88
63) Dibenzofuran	13.37	168	113709	24.74 ppb		94
64) 2,4-Dinitrotoluene	13.56	165	28664	24.72 ppb		98
65) 2,3,4,6-Tetrachlorophenol	13.82	232	29329	23.90 ppb		99
66) Diethylphthalate	14.20	149	102898	23.62 ppb		97
67) Fluorene	14.18	166	97511	24.39 ppb		97
68) 4-Chlorophenyl-phenylether	14.24	204	54585	24.41 ppb		97
69) 4-Nitroaniline	14.41	138	17483	23.55 ppb		92
71) 4,6-Dinitro-2-methylphenol	14.51	198	18369	24.22 ppb	#	61
72) Atrazine	15.98	200	24852	22.77 ppb		95
73) n-Nitrosodiphenylamine	14.56	169	70485	27.17 ppb		100
74) 1,2-Diphenylhydrazine	14.61	77	237529	53.88 ppb		99
76) 4-Bromophenyl-phenylether	15.39	248	35181	26.55 ppb		90
77) Hexachlorobenzene	15.68	284	36575	25.79 ppb		98
78) Pentachlorophenol	16.14	266	45360	50.27 ppb		98
79) Phenanthrene	16.42	178	149773	26.81 ppb		97
80) Anthracene	16.53	178	143491	26.36 ppb		98
81) Carbazole	16.99	167	119571	26.56 ppb		97
82) Di-n-butylphthalate	18.09	149	156025	25.94 ppb		99
83) Fluoranthene	19.17	202	180175	26.09 ppb		99
84) Octadecane	16.37	57	44484	26.83 ppb		97

595

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44551.D
Acq On : 18 Aug 2004 9:10 am
Sample : CC2302-25
Misc : OP17679,EF2404
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:54:23 2004

Vial: 2
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86) Benzidine	19.54	184	57861	37.20 ppb	95
87) Pyrene	19.61	202	191630	26.59 ppb	99
89) Butylbenzylphthalate	21.09	149	70906	25.90 ppb	100
90) Butyl stearate	21.20	56	26803	25.33 ppb	90
91) Benzo[a]anthracene	21.90	228	194684	25.58 ppb	98
92) 3,3'-Dichlorobenzidine	21.94	252	64312	26.47 ppb	98
93) Chrysene	21.97	228	192591	26.29 ppb	98
94) bis(2-Ethylhexyl)phthalate	22.19	149	95303	23.47 ppb	99
96) Di-n-octylphthalate	23.18	149	136247	21.63 ppb	97
97) Benzo[b]fluoranthene	23.66	252	192639	25.76 ppb	97
98) Benzo[k]fluoranthene	23.70	252	208971	24.54 ppb	91
99) Benzo[a]pyrene	24.15	252	175090	26.02 ppb	99
100) Indeno[1,2,3-cd]pyrene	26.15	276	211058	25.88 ppb	96
101) Dibenz(a,h)acridine	25.71	279	161048	26.27 ppb	99
102) Dibenz[a,h]anthracene	26.18	278	182147	26.38 ppb	99
103) 7,12-Dimethylbenz(a)anthra	23.68	256	84683	21.96 ppb	96
105) Benzo[g,h,i]perylene	26.69	276	178116	26.63 ppb	98

8/18/04

(#) = qualifier out of range (m) = manual integration

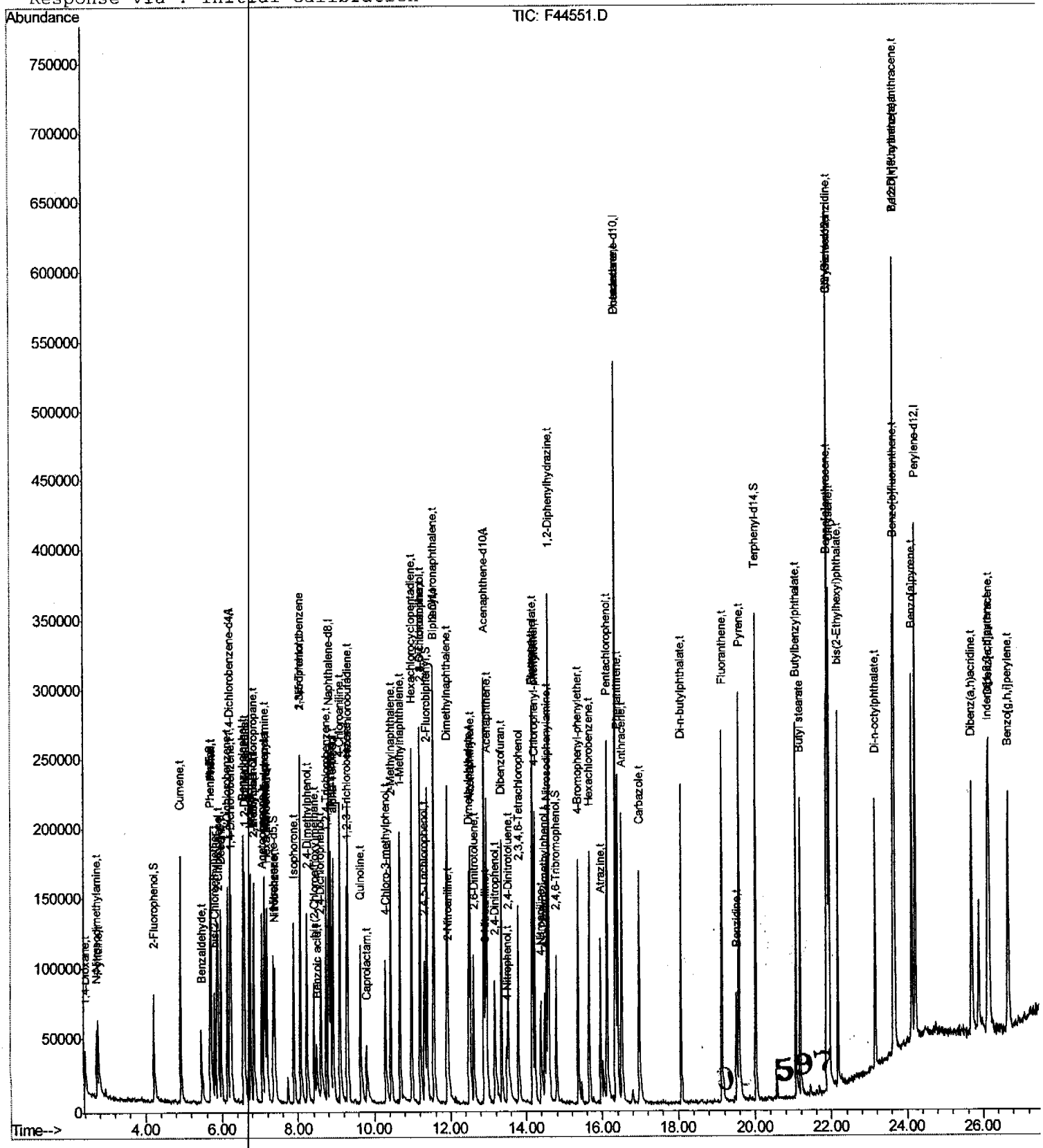
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44551.D
Acq On : 18 Aug 2004 9:10 am
Sample : CC2302-25
Misc : OP17679,EF2404
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:56 2004

Vial: 2
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44552.D Vial: 3
Acq On : 18 Aug 2004 9:46 am Operator: NINAP
Sample : CC2302-50 Inst : MSF
Misc : OP17679,EF2404 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 10:14:17 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	37712	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	146845	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	90241	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	177117	40.00 ppb	-0.02
85) Chrysene-d12	21.93	240	230144	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	159820	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	37712	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	90241	40.00 ppb	-0.01

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.47	105	49402	55.47 ppb	97
109) 1,2,4,5-Tetrachlorobenzene	10.94	216	87838	51.39 ppb	96

6/8/18 dm

598

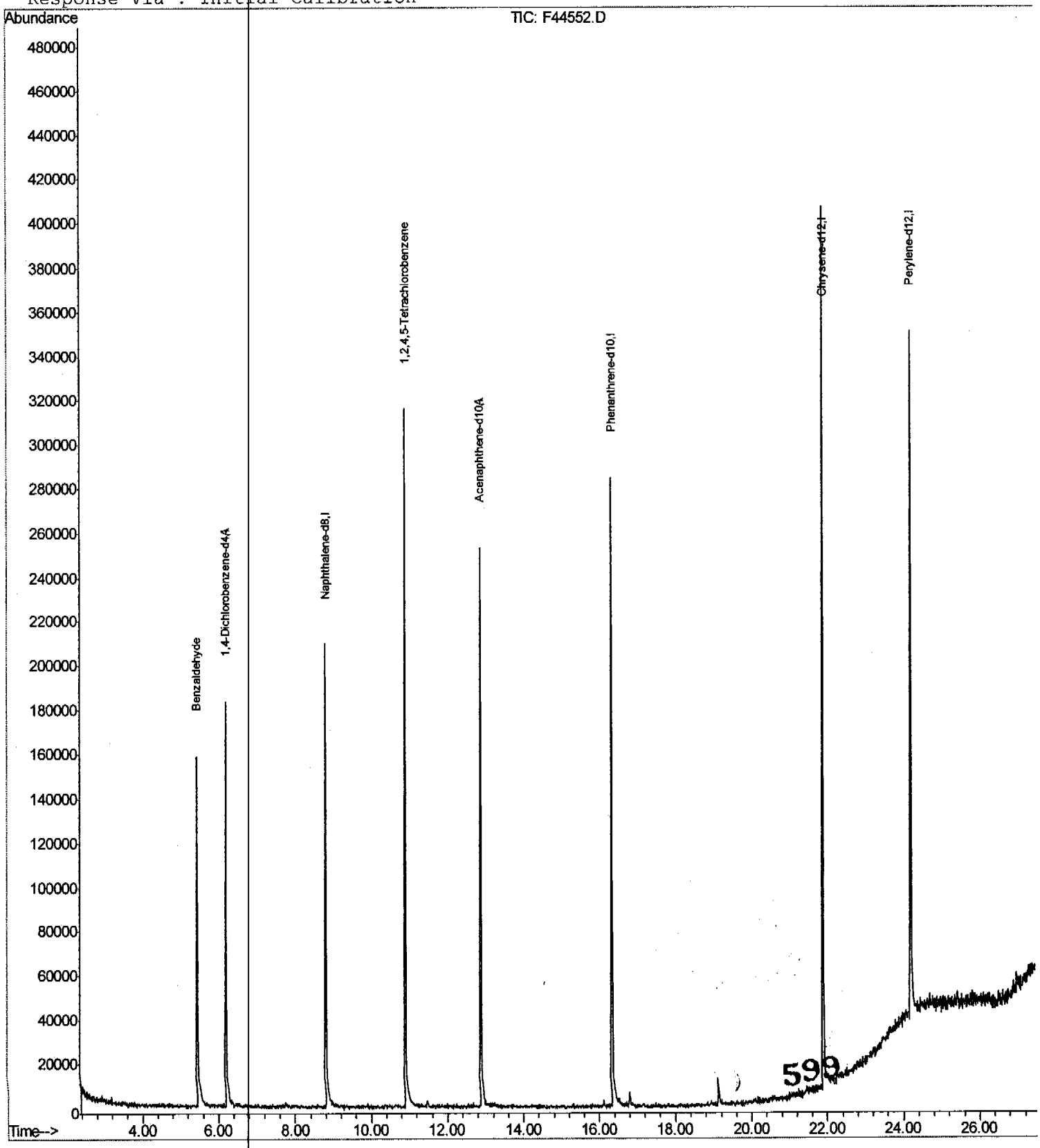
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44552.D
Acq On : 18 Aug 2004 9:46 am
Sample : CC2302-50
Misc : OP17679,EF2404
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:57 2004

Vial: 3
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC
Sample: EF2405-CC2402
Lab FileID: F44577.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF2405D\F44577.D Vial: 2
Acq On : 19 Aug 2004 9:03 am Operator: NINAP
Sample : CC2402-50 Inst : MSF
Misc : OP17702,EF2405 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	-0.02	6.21
2	t	1,4-Dioxane	0.657	0.619	5.8	104	0.00	2.41
3	t	Pyridine	1.517	1.503	0.9	103	0.00	2.74
4	t	N-Nitrosodimethylamine	0.913	0.903	1.1	105	0.00	2.71
5	S	2-Fluorophenol	1.124	1.147	-2.0	101	-0.01	4.22
6	t	Indene	2.398	2.388	0.4	106	-0.01	6.75
7	t	Cumene	3.427	3.415	0.4	104	-0.01	4.92
8	S	Phenol-d5	1.525	1.550	-1.6	103	-0.02	5.70
9	t	Phenol	1.728	1.776	-2.8	103	-0.01	5.72
10	t	Aniline	1.864	1.801	3.4	95	0.00	5.72
11	t	bis(2-Chloroethyl)ether	1.182	1.208	-2.2	104	-0.01	5.82
12	t	Benzaldehyde	0.572	0.470	17.8	125	0.00	5.48
13	t	2-Chlorophenol	1.360	1.373	-1.0	102	0.00	5.91
14	t	Decane	0.953	0.899	5.7	103	-0.01	5.98
15	t	1,3-Dichlorobenzene	1.566	1.589	-1.5	106	-0.01	6.15
16	t	1,4-Dichlorobenzene	1.626	1.625	0.1	106	-0.01	6.24
17	t	Benzyl alcohol	0.871	0.816	6.3	99	0.00	6.56
18	t	1,2-Dichlorobenzene	1.499	1.504	-0.3	105	-0.01	6.60
19	t	Acetophenone	2.113	2.075	1.8	102	-0.01	7.07
20	t	2-Methylphenol	1.189	1.148	3.4	99	-0.01	6.84
21	t	2,2'-oxybis(1-Chloropropa	0.488	0.476	2.5	107	-0.02	6.85
22	t	3&4-Methylphenol	1.284	1.297	-1.0	102	-0.02	7.14
23	t	n-Nitroso-di-n-propylamin	1.248	1.233	1.2	102	-0.01	7.14
24	t	Hexachloroethane	0.763	0.774	-1.4	108	-0.02	7.20
25	I	Naphthalene-d8	1.000	1.000	0.0	107	-0.02	8.83
26	S	Nitrobenzene-d5	0.503	0.544	-8.2	105	-0.01	7.37
27	t	Nitrobenzene	0.161	0.183	-13.7	109	-0.01	7.40
28	t	Quinoline	0.701	0.702	-0.1	103	-0.02	9.66
29	t	Isophorone	0.788	0.813	-3.2	101	-0.01	7.90
30	t	2-Nitrophenol	0.197	0.197	0.0	100	-0.01	8.08
31	t	2,4-Dimethylphenol	0.435	0.452	-3.9	100	-0.01	8.25
32	t	Benzoic acid	0.293	0.261	10.9	98	-0.02	8.56
33	t	bis(2-Chloroethoxy)methan	0.391	0.404	-3.3	103	-0.01	8.44
34	t	2,4-Dichlorophenol	0.310	0.344	-11.0	104	-0.01	8.61
35		1,3,5-Trichlorobenzene	0.410	0.434	-5.9	106	-0.01	8.08
36	t	1,2,4-Trichlorobenzene	0.394	0.413	-4.8	103	-0.01	8.76
37		1,2,3-Trichlorobenzene	0.382	0.391	-2.4	105	-0.01	9.30
38	t	alpha-Terpineol	0.302	0.302	0.0	99	-0.01	8.93
39	t	Naphthalene	1.114	1.120	-0.5	103	0.01	8.88
40	t	4-Chloroaniline	0.431	0.418	3.0	[illegible]	0.01	9.11
41	t	2,3-Dichloroaniline	0.410	0.431	-5.1	104	-0.01	11.21

600

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2405-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44577.D
Project: Former Camp Butner, NC

42	t	Caprolactam	0.107	0.099	7.5	95	-0.01	9.83
43	t	Hexachlorobutadiene	0.349	0.355	-1.7	106	0.00	9.33
44	t	4-Chloro-3-methylphenol	0.352	0.379	-7.7	102	-0.02	10.31
45	t	2-Methylnaphthalene	0.749	0.785	-4.8	105	-0.01	10.45
46	t	1-Methylnaphthalene	0.766	0.790	-3.1	107	-0.01	10.70
47	t	Dimethylnaphthalene	0.737	0.768	-4.2	103	-0.01	11.92
48	I	Acenaphthene-d10	1.000	1.000	0.0	107	-0.01	12.91
		----------	True	Calc.	% Drift	----------		
49	t	Hexachlorocyclopentadiene	100.000	92.149	7.9	95	-0.02	10.99
		----------	AvgRF	CCRF	% Dev	----------		
50	t	2,4,6-Trichlorophenol	0.457	0.489	-7.0	103	-0.02	11.22
51	t	2,4,5-Trichlorophenol	0.473	0.493	-4.2	101	-0.02	11.32
52	S	2-Fluorobiphenyl	1.507	1.535	-1.9	102	-0.01	11.39
53	t	2-Chloronaphthalene	1.199	1.251	-4.3	103	-0.02	11.56
54	t	Biphenyl	1.685	1.751	-3.9	105	-0.01	11.58
		----------	True	Calc.	% Drift	----------		
55	t	2-Nitroaniline	50.000	48.319	3.4	97	-0.01	11.95
		----------	AvgRF	CCRF	% Dev	----------		
56	t	Dimethylphthalate	1.454	1.512	-4.0	101	-0.01	12.51
57	t	Acenaphthylene	1.811	1.920	-6.0	105	-0.01	12.54
58	t	2,6-Dinitrotoluene	0.300	0.322	-7.3	102	0.00	12.63
59	t	3-Nitroaniline	0.286	0.293	-2.4	101	-0.01	12.94
60	t	Acenaphthene	1.271	1.272	-0.1	101	-0.01	12.98
		----------	True	Calc.	% Drift	----------		
61	t	2,4-Dinitrophenol	100.000	94.391	5.6	99	-0.01	13.19
62	t	4-Nitrophenol	50.000	44.134	11.7	90	-0.02	13.49
		----------	AvgRF	CCRF	% Dev	----------		
63	t	Dibenzofuran	1.750	1.818	-3.9	105	-0.01	13.37
64	t	2,4-Dinitrotoluene	0.441	0.469	-6.3	102	0.00	13.55
65		2,3,4,6-Tetrachlorophenol	0.467	0.503	-7.7	107	-0.01	13.81
66	t	Diethylphthalate	1.659	1.684	-1.5	100	-0.01	14.20
67	t	Fluorene	1.523	1.592	-4.5	103	-0.01	14.18
68	t	4-Chlorophenyl-phenylethe	0.852	0.896	-5.2	106	-0.02	14.24
69	t	4-Nitroaniline	0.283	0.279	1.4	95	-0.02	14.40
70	I	Phenanthrene-d10	1.000	1.000	0.0	103	-0.01	16.37
71	t	4,6-Dinitro-2-methylpheno	0.148	0.156	-5.4	99	-0.02	14.50
72	t	Atrazine	0.213	0.210	1.4	92	-0.02	15.98
73	t	n-Nitrosodiphenylamine	0.507	0.528	-4.1	101	-0.02	14.56
74	t	1,2-Diphenylhydrazine	0.861	0.924	-7.3	102	-0.01	14.61
75	S	2,4,6-Tribromophenol	0.120	0.131	-9.2	106	-0.02	14.80
76	t	4-Bromophenyl-phenylether	0.259	0.273	-5.4	103	-0.02	15.38
77	t	Hexachlorobenzene	0.277	0.283	-2.2	101	-0.01	15.67
78	t	Pentachlorophenol	0.176	0.192	-9.1	99	-0.01	16.14
79	t	Phenanthrene	1.091	1.139	-4.4	103	-0.02	16.42
80	t	Anthracene	1.063	1.112	-4.6	100	-0.02	16.53
81	t	Carbazole	0.879	0.959	-9.1	103	-0.02	16.99
82	t	Di-n-butylphthalate	1.175	1.272	-8.3	101	-0.01	18.09
83	t	Fluoranthene	1.349	1.435	-6.4	102	-0.01	19.16
84	t	Octadecane	0.324	0.337	-4.0	101	-0.01	16.37
85	I	Chrysene-d12	1.000	1.000	0.0	106	-0.01	21.93
86	t	Benzidine	0.236	0.179	24.2#	58	0.00	19.54

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2405-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44577.D
Project: Former Camp Butner, NC

87	t	Pyrene	1.095	1.165	-6.4	104	-0.02	19.61
88	S	Terphenyl-d14	0.839	0.909	-8.3	105	-0.01	20.04
89	t	Butylbenzylphthalate	0.416	0.446	-7.2	96	0.00	21.10
90		Butyl stearate	0.161	0.167	-3.7	96	-0.01	21.20
91	t	Benzo[a]anthracene	1.156	1.208	-4.5	101	-0.02	21.90
92	t	3,3'-Dichlorobenzidine	0.369	0.399	-8.1	100	-0.01	21.94
93	t	Chrysene	1.113	1.172	-5.3	107	-0.01	21.97
		----------	True	Calc.	% Drift	----------		
94	t	bis(2-Ethylhexyl)phthalat	50.000	49.600	0.8	98	-0.01	22.19
		----------	AvgRF	CCRF	% Dev	----------		
95	I	Perylene-d12	1.000	1.000	0.0	105	-0.01	24.24
		----------	True	Calc.	% Drift	----------		
96	t	Di-n-octylphthalate	50.000	46.325	7.3	93	-0.01	23.18
		----------	AvgRF	CCRF	% Dev	----------		
97	t	Benzo[b]fluoranthene	1.669	1.754	-5.1	96	0.00	23.67
98	t	Benzo[k]fluoranthene	1.901	2.092	-10.0	106	-0.02	23.70
99	t	Benzo[a]pyrene	1.502	1.636	-8.9	102	-0.01	24.15
100	t	Indeno[1,2,3-cd]pyrene	1.821	2.026	-11.3	104	-0.03	26.16
101	t	Dibenz(a,h)acridine	1.368	1.493	-9.1	101	-0.02	25.72
102	t	Dibenz[a,h]anthracene	1.541	1.739	-12.8	106	-0.03	26.18
		----------	True	Calc.	% Drift	----------		
103	t	7,12-Dimethylbenz(a)anthr	50.000	47.630	4.7	98	-0.02	23.69
		----------	AvgRF	CCRF	% Dev	----------		
104	t	3-Methylcholanthrene		----------NA----------				
105	t	Benzo[g,h,i]perylene	1.493	1.646	-10.2	105	-0.03	26.68
106		1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	109	-0.02	6.21
107		Benzaldehyde		----------NA----------				
108		Acenaphthene-d10A	1.000	1.000	0.0	102	-0.01	12.91
109		1,2,4,5-Tetrachlorobenzen		----------NA----------				

Average % D = 5.0

(1.0 %) 1 of 100 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F44505.D MF2402.M Wed Aug 25 12:31:55 2004 MSF

Continuing Calibration Summary

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Sample: EF2405-CC2402
Lab FileID: F44578.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF2405D\F44578.D Vial: 3
Acq On : 19 Aug 2004 9:39 am Operator: NINAP
Sample : CC2402-50 Inst : MSF
Misc : OP17702,EF2405 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	-0.01	6.22
2	t	1,4-Dioxane		----------NA----------				
3	t	Pyridine		----------NA----------				
4	t	N-Nitrosodimethylamine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	t	Indene		----------NA----------				
7	t	Cumene		----------NA----------				
8	S	Phenol-d5		----------NA----------				
9	t	Phenol		----------NA----------				
10	t	Aniline		----------NA----------				
11	t	bis(2-Chloroethyl)ether		----------NA----------				
12	t	Benzaldehyde		----------NA----------				
13	t	2-Chlorophenol		----------NA----------				
14	t	Decane		----------NA----------				
15	t	1,3-Dichlorobenzene		----------NA----------				
16	t	1,4-Dichlorobenzene		----------NA----------				
17	t	Benzyl alcohol		----------NA----------				
18	t	1,2-Dichlorobenzene		----------NA----------				
19	t	Acetophenone		----------NA----------				
20	t	2-Methylphenol		----------NA----------				
21	t	2,2'-oxybis(1-Chloropropa		----------NA----------				
22	t	3&4-Methylphenol		----------NA----------				
23	t	n-Nitroso-di-n-propylamin		----------NA----------				
24	t	Hexachloroethane		----------NA----------				
25	I	Naphthalene-d8	1.000	1.000	0.0	93	-0.02	8.83
26	S	Nitrobenzene-d5		----------NA----------				
27	t	Nitrobenzene		----------NA----------				
28	t	Quinoline		----------NA----------				
29	t	Isophorone		----------NA----------				
30	t	2-Nitrophenol		----------NA----------				
31	t	2,4-Dimethylphenol		----------NA----------				
32	t	Benzoic acid		----------NA----------				
33	t	bis(2-Chloroethoxy)methan		----------NA----------				
34	t	2,4-Dichlorophenol		----------NA----------				
35		1,3,5-Trichlorobenzene		----------NA----------				
36	t	1,2,4-Trichlorobenzene		----------NA----------				
37		1,2,3-Trichlorobenzene		----------NA----------				
38	t	alpha-Terpineol		----------NA----------				
39	t	Naphthalene		----------NA----------				
40	t	4-Chloroaniline		----------NA----------				
41	t	2,3-Dichloroaniline		----------NA----------				

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2405-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44578.D
Project: Former Camp Butner, NC

42 t	Caprolactam		----------NA----------				
43 t	Hexachlorobutadiene		----------NA----------				
44 t	4-Chloro-3-methylphenol		----------NA----------				
45 t	2-Methylnaphthalene		----------NA----------				
46 t	1-Methylnaphthalene		----------NA----------				
47 t	Dimethylnaphthalene		----------NA----------				
48 I	Acenaphthene-d10	1.000	1.000	0.0	90	-0.01	12.91
	----------	True	Calc.	% Drift	----------		
49 t	Hexachlorocyclopentadiene		----------NA----------				
	----------	AvgRF	CCRF	% Dev	----------		
50 t	2,4,6-Trichlorophenol		----------NA----------				
51 t	2,4,5-Trichlorophenol		----------NA----------				
52 S	2-Fluorobiphenyl		----------NA----------				
53 t	2-Chloronaphthalene		----------NA----------				
54 t	Biphenyl		----------NA----------				
	----------	True	Calc.	% Drift	----------		
55 t	2-Nitroaniline		----------NA----------				
	----------	AvgRF	CCRF	% Dev	----------		
56 t	Dimethylphthalate		----------NA----------				
57 t	Acenaphthylene		----------NA----------				
58 t	2,6-Dinitrotoluene		----------NA----------				
59 t	3-Nitroaniline		----------NA----------				
60 t	Acenaphthene		----------NA----------				
	----------	True	Calc.	% Drift	----------		
61 t	2,4-Dinitrophenol		----------NA----------				
62 t	4-Nitrophenol		----------NA----------				
	----------	AvgRF	CCRF	% Dev	----------		
63 t	Dibenzofuran		----------NA----------				
64 t	2,4-Dinitrotoluene		----------NA----------				
65	2,3,4,6-Tetrachlorophenol		----------NA----------				
66 t	Diethylphthalate		----------NA----------				
67 t	Fluorene		----------NA----------				
68 t	4-Chlorophenyl-phenylethe		----------NA----------				
69 t	4-Nitroaniline		----------NA----------				
70 I	Phenanthrene-d10	1.000	1.000	0.0	80	-0.01	16.37
71 t	4,6-Dinitro-2-methylpheno		----------NA----------				
72 t	Atrazine		----------NA----------				
73 t	n-Nitrosodiphenylamine		----------NA----------				
74 t	1,2-Diphenylhydrazine		----------NA----------				
75 S	2,4,6-Tribromophenol		----------NA----------				
76 t	4-Bromophenyl-phenylether		----------NA----------				
77 t	Hexachlorobenzene		----------NA----------				
78 t	Pentachlorophenol		----------NA----------				
79 t	Phenanthrene		----------NA----------				
80 t	Anthracene		----------NA----------				
81 t	Carbazole		----------NA----------				
82 t	Di-n-butylphthalate		----------NA----------				
83 t	Fluoranthene		----------NA----------				
84 t	Octadecane		----------NA----------				
85 I	Chrysene-d12	1.000	1.000	0.0	[illegible]	0.02	21.92
86 t	Benzidine		----------NA----------				

Continuing Calibration Summary

Job Number: N74914 **Sample:** EF2405-CC2402
Account: ENSRMAA ENSR Consulting & Engineering **Lab FileID:** F44578.D
Project: Former Camp Butner, NC

87	t	Pyrene			----------NA----------			
88	S	Terphenyl-d14			----------NA----------			
89	t	Butylbenzylphthalate			----------NA----------			
90		Butyl stearate			----------NA----------			
91	t	Benzo[a]anthracene			----------NA----------			
92	t	3,3'-Dichlorobenzidine			----------NA----------			
93	t	Chrysene			----------NA----------			
		----------	True	Calc.	% Drift	----------		
94	t	bis(2-Ethylhexyl)phthalat			----------NA----------			
		----------	AvgRF	CCRF	% Dev	----------		
95	I	Perylene-d12	1.000	1.000	0.0	87	-0.02	24.23
		----------	True	Calc.	% Drift	----------		
96	t	Di-n-octylphthalate			----------NA----------			
		----------	AvgRF	CCRF	% Dev	----------		
97	t	Benzo[b]fluoranthene			----------NA----------			
98	t	Benzo[k]fluoranthene			----------NA----------			
99	t	Benzo[a]pyrene			----------NA----------			
100	t	Indeno[1,2,3-cd]pyrene			----------NA----------			
101	t	Dibenz(a,h)acridine			----------NA----------			
102	t	Dibenz[a,h]anthracene			----------NA----------			
		----------	True	Calc.	% Drift	----------		
103	t	7,12-Dimethylbenz(a)anthr			----------NA----------			
		----------	AvgRF	CCRF	% Dev	----------		
104	t	3-Methylcholanthrene			----------NA----------			
105	t	Benzo[g,h,i]perylene			----------NA----------			
106		1,4-Dichlorobenzene-d4A	1.000	1.000	0.0	93	-0.01	6.22
107		Benzaldehyde	0.945	0.956	-1.2	89	0.00	5.47
108		Acenaphthene-d10A	1.000	1.000	0.0	86	-0.01	12.91
109		1,2,4,5-Tetrachlorobenzen	0.758	0.779	-2.8	89	-0.01	10.94

Average % D = 1.0

(0.0 %) 0 of 4 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F44505.D MF2402.M Wed Aug 25 12:32:21 2004 MSF

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44577.D Vial: 2
Acq On : 19 Aug 2004 9:03 am Operator: NINAP
Sample : CC2302-50 Inst : MSF
Misc : OP17702,EF2405 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 09:30:55 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	56418	40.00	ppb	-0.02
25) Naphthalene-d8	8.83	136	204843	40.00	ppb	-0.02
48) Acenaphthene-d10	12.91	164	129910	40.00	ppb	-0.01
70) Phenanthrene-d10	16.37	188	270243	40.00	ppb	-0.01
85) Chrysene-d12	21.93	240	352246	40.00	ppb	-0.01
95) Perylene-d12	24.24	264	229480	40.00	ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.21	152	56418	40.00	ppb	-0.02
108) Acenaphthene-d10A	12.91	164	129910	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.22	112	80920	51.02	ppb	-0.01
Spiked Amount 50.000			Recovery	=	102.04%	
8) Phenol-d5	5.70	99	109313	50.81	ppb	-0.02
Spiked Amount 50.000			Recovery	=	101.62%	
26) Nitrobenzene-d5	7.37	82	139377	54.15	ppb	-0.01
Spiked Amount 50.000			Recovery	=	108.30%	
52) 2-Fluorobiphenyl	11.39	172	249229	50.91	ppb	-0.01
Spiked Amount 50.000			Recovery	=	101.82%	
75) 2,4,6-Tribromophenol	14.80	330	44260	54.55	ppb	-0.02
Spiked Amount 50.000			Recovery	=	109.10%	
88) Terphenyl-d14	20.04	244	400412	54.18	ppb	-0.01
Spiked Amount 50.000			Recovery	=	108.36%	

Target Compounds						Qvalue
2) 1,4-Dioxane	2.41	88	43651	47.12	ppb	96
3) Pyridine	2.74	79	105983	49.54	ppb	98
4) N-Nitrosodimethylamine	2.71	42	63672	49.44	ppb	99
6) Indene	6.75	116	168429	49.80	ppb	95
7) Cumene	4.92	105	240869	49.84	ppb	98
9) Phenol	5.72	94	125251	51.39	ppb	100
10) Aniline	5.72	93	127023	48.31	ppb	70
11) bis(2-Chloroethyl)ether	5.82	93	85218	51.11	ppb	95
12) Benzaldehyde	5.48	105	33135	41.06	ppb	88
13) 2-Chlorophenol	5.91	128	96839	50.49	ppb	94
14) Decane	5.98	43	63388	47.18	ppb	97
15) 1,3-Dichlorobenzene	6.15	146	112028	50.72	ppb	93
16) 1,4-Dichlorobenzene	6.24	146	114575	49.96	ppb	91
17) Benzyl alcohol	6.56	108	57513	46.81	ppb	97
18) 1,2-Dichlorobenzene	6.60	146	106053	50.15	ppb	99
19) Acetophenone	7.07	105	146331	49.10	ppb	97
20) 2-Methylphenol	6.84	108	80929	48.26	ppb	99
21) 2,2'-oxybis(1-Chloropropan	6.85	121	33552	48.71	ppb	99
22) 3&4-Methylphenol	7.14	108	91469	50.52	ppb	98
23) n-Nitroso-di-n-propylamine	7.14	70	86986	49.41	ppb	95
24) Hexachloroethane	7.20	201	54603	50.74	ppb	97
27) Nitrobenzene	7.40	123	46876	56.96	ppb	90
28) Quinoline	9.66	129	179829	50.12	ppb	99
29) Isophorone	7.90	82	208074	51.57	ppb	98
30) 2-Nitrophenol	8.08	139	50426	50.00	ppb	94
31) 2,4-Dimethylphenol	8.25	107	115803	51.93	ppb	95

606

(#) = qualifier out of range (m) = manual integration

08/19/04

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44577.D
Acq On : 19 Aug 2004 9:03 am
Sample : CC2302-50
Misc : OP17702,EF2405
MS Integration Params: LSCINT.P
Quant Time: Aug 19 09:30:55 2004

Vial: 2
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
32) Benzoic acid	8.56	105	66885	44.50 ppb	95
33) bis(2-Chloroethoxy)methane	8.44	93	103499	51.67 ppb	97
34) 2,4-Dichlorophenol	8.61	162	88044	55.38 ppb	96
35) 1,3,5-Trichlorobenzene	8.08	180	111038	52.84 ppb	97
36) 1,2,4-Trichlorobenzene	8.76	180	105714	52.43 ppb	95
37) 1,2,3-Trichlorobenzene	9.30	180	100158	51.23 ppb	98
38) alpha-Terpineol	8.93	59	77234	49.96 ppb	98
39) Naphthalene	8.88	128	286832	50.28 ppb	98
40) 4-Chloroaniline	9.11	127	107071	48.51 ppb	97
41) 2,3-Dichloroaniline	11.21	161	110352	52.55 ppb	98
42) Caprolactam	9.83	55	25264	46.13 ppb	89
43) Hexachlorobutadiene	9.33	225	90775	50.83 ppb	99
44) 4-Chloro-3-methylphenol	10.31	107	97146	53.82 ppb	99
45) 2-Methylnaphthalene	10.45	142	200907	52.35 ppb	98
46) 1-Methylnaphthalene	10.70	142	202309	51.60 ppb	98
47) Dimethylnaphthalene	11.92	156	196528	52.07 ppb	95
49) Hexachlorocyclopentadiene	10.99	237	179396	92.15 ppb	95
50) 2,4,6-Trichlorophenol	11.22	196	79370	53.52 ppb	93
51) 2,4,5-Trichlorophenol	11.32	196	80138	52.14 ppb	95
53) 2-Chloronaphthalene	11.56	162	203071	52.15 ppb	96
54) Biphenyl	11.58	154	284289	51.96 ppb	97
55) 2-Nitroaniline	11.95	65	74653	48.32 ppb	88
56) Dimethylphthalate	12.51	163	245593	52.02 ppb	98
57) Acenaphthylene	12.54	152	311739	53.01 ppb	96
58) 2,6-Dinitrotoluene	12.63	165	52305	53.64 ppb	91
59) 3-Nitroaniline	12.94	138	47568	51.30 ppb	93
60) Acenaphthene	12.98	153	206603	50.03 ppb	96
61) 2,4-Dinitrophenol	13.19	184	71982	94.39 ppb	95
62) 4-Nitrophenol	13.49	109	52743	44.13 ppb	96
63) Dibenzofuran	13.37	168	295277	51.95 ppb	98
64) 2,4-Dinitrotoluene	13.55	165	76194	53.14 ppb	99
65) 2,3,4,6-Tetrachlorophenol	13.81	232	81639	53.80 ppb	96
66) Diethylphthalate	14.20	149	273440	50.75 ppb	97
67) Fluorene	14.18	166	258534	52.28 ppb	94
68) 4-Chlorophenyl-phenylether	14.24	204	145562	52.63 ppb	99
69) 4-Nitroaniline	14.40	138	45329	49.38 ppb	95
71) 4,6-Dinitro-2-methylphenol	14.50	198	52757	52.71 ppb	97
72) Atrazine	15.98	200	70846	49.19 ppb	97
73) n-Nitrosodiphenylamine	14.56	169	178387	52.10 ppb	98
74) 1,2-Diphenylhydrazine	14.61	77	624321	107.32 ppb	98
76) 4-Bromophenyl-phenylether	15.38	248	92367	52.83 ppb	98
77) Hexachlorobenzene	15.67	284	95517	51.03 ppb	93
78) Pentachlorophenol	16.14	266	129837	109.04 ppb	94
79) Phenanthrene	16.42	178	384779	52.19 ppb	96
80) Anthracene	16.53	178	375550	52.28 ppb	98
81) Carbazole	16.99	167	323788	54.50 ppb	98
82) Di-n-butylphthalate	18.09	149	429540	54.12 ppb	99
83) Fluoranthene	19.16	202	484656	53.18 ppb	98
84) Octadecane	16.37	57	113709	51.96 ppb	99

607

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44577.D
Acq On : 19 Aug 2004 9:03 am
Sample : CC2302-50
Misc : OP17702,EF2405
MS Integration Params: LSCINT.P
Quant Time: Aug 19 09:30:55 2004

Vial: 2
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
86)	Benzidine	19.54	184	157450	75.69 ppb	98
87)	Pyrene	19.61	202	512819	53.20 ppb	99
89)	Butylbenzylphthalate	21.10	149	196595	53.70 ppb	99
90)	Butyl stearate	21.20	56	73517	51.95 ppb	99
91)	Benzo[a]anthracene	21.90	228	531677	52.23 ppb	98
92)	3,3'-Dichlorobenzidine	21.94	252	175475	54.00 ppb	94
93)	Chrysene	21.97	228	516154	52.68 ppb	98
94)	bis(2-Ethylhexyl)phthalate	22.19	149	274347	49.60 ppb	99
96)	Di-n-octylphthalate	23.18	149	398119	46.33 ppb	99
97)	Benzo[b]fluoranthene	23.67	252	503132	52.55 ppb	100
98)	Benzo[k]fluoranthene	23.70	252	600010	55.02 ppb	100
99)	Benzo[a]pyrene	24.15	252	469366	54.47 ppb	99
100)	Indeno[1,2,3-cd]pyrene	26.16	276	581279	55.65 ppb	97
101)	Dibenz(a,h)acridine	25.72	279	428332	54.57 ppb	99
102)	Dibenz[a,h]anthracene	26.18	278	498868	56.42 ppb	98
103)	7,12-Dimethylbenz(a)anthra	23.69	256	252424	47.63 ppb	94
105)	Benzo[g,h,i]perylene	26.68	276	472187	55.12 ppb	99

8/19/04

608

(#) = qualifier out of range (m) = manual integration

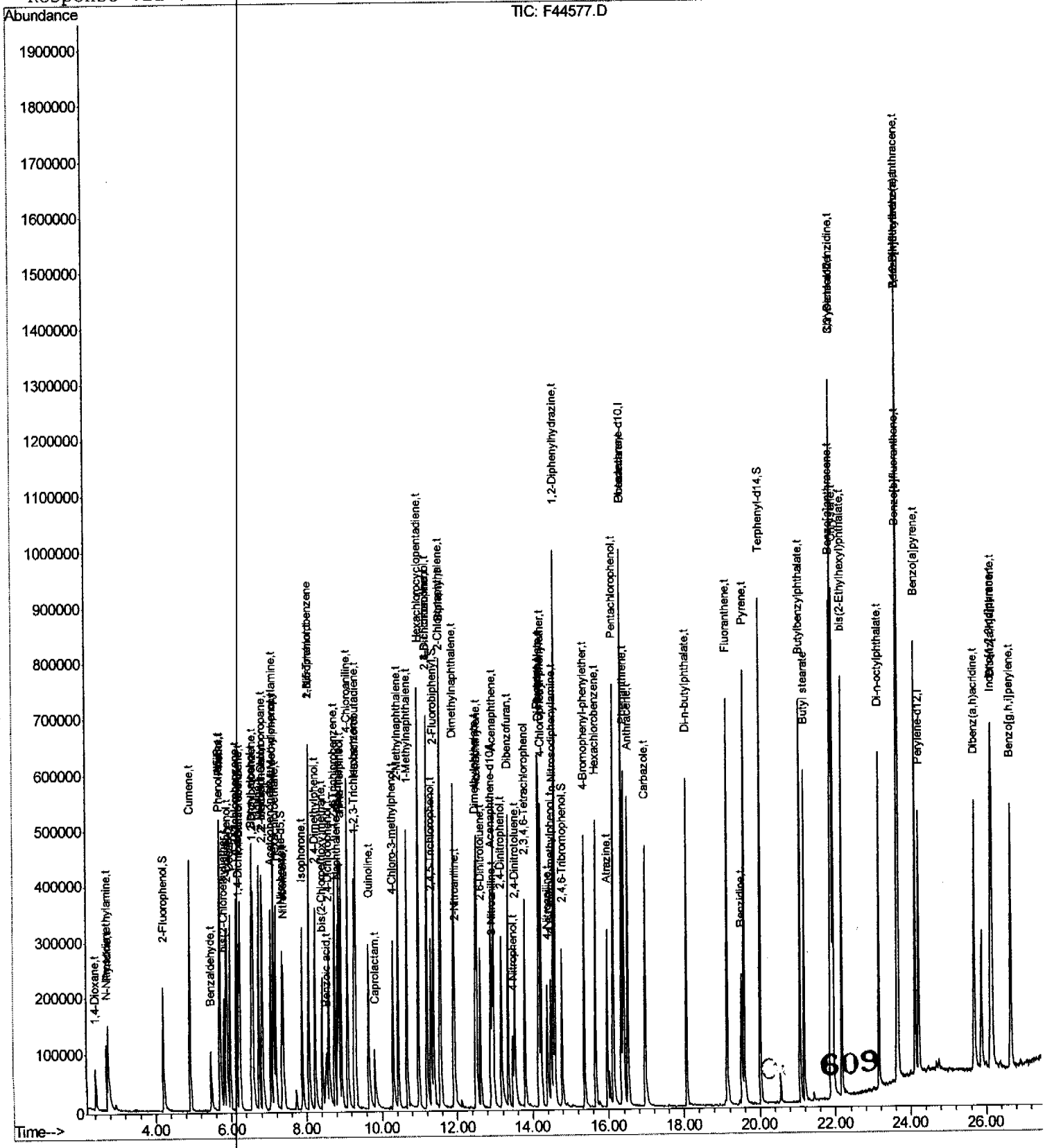
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44577.D
Acq On : 19 Aug 2004 9:03 am
Sample : CC2302-50
Misc : OP17702,EF2405
MS Integration Params: LSCINT.P
Quant Time: Aug 19 12:04 2004

Vial: 2
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44578.D Vial: 3
Acq On : 19 Aug 2004 9:39 am Operator: NINAP
Sample : CC2302-50 Inst : MSF
Misc : OP17702,EF2405 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 10:07:24 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	48124	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	177090	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	109769	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	210130	40.00 ppb	-0.01
85) Chrysene-d12	21.92	240	278157	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	190841	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	48124	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	109769	40.00 ppb	-0.01

System Monitoring Compounds					
5) 2-Fluorophenol	0.00	112	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
8) Phenol-d5	0.00	99	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
26) Nitrobenzene-d5	0.00	82	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
52) 2-Fluorobiphenyl	0.00	172	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
75) 2,4,6-Tribromophenol	0.00	330	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%
88) Terphenyl-d14	0.00	244	0	0.00 ppb	
Spiked Amount 50.000			Recovery	=	0.00%

Target Compounds					Qvalue
107) Benzaldehyde	5.47	105	57489	50.58 ppb	96
109) 1,2,4,5-Tetrachlorobenzene	10.94	216	106874	51.40 ppb	96

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610

(#) = qualifier out of range (m) = manual integration

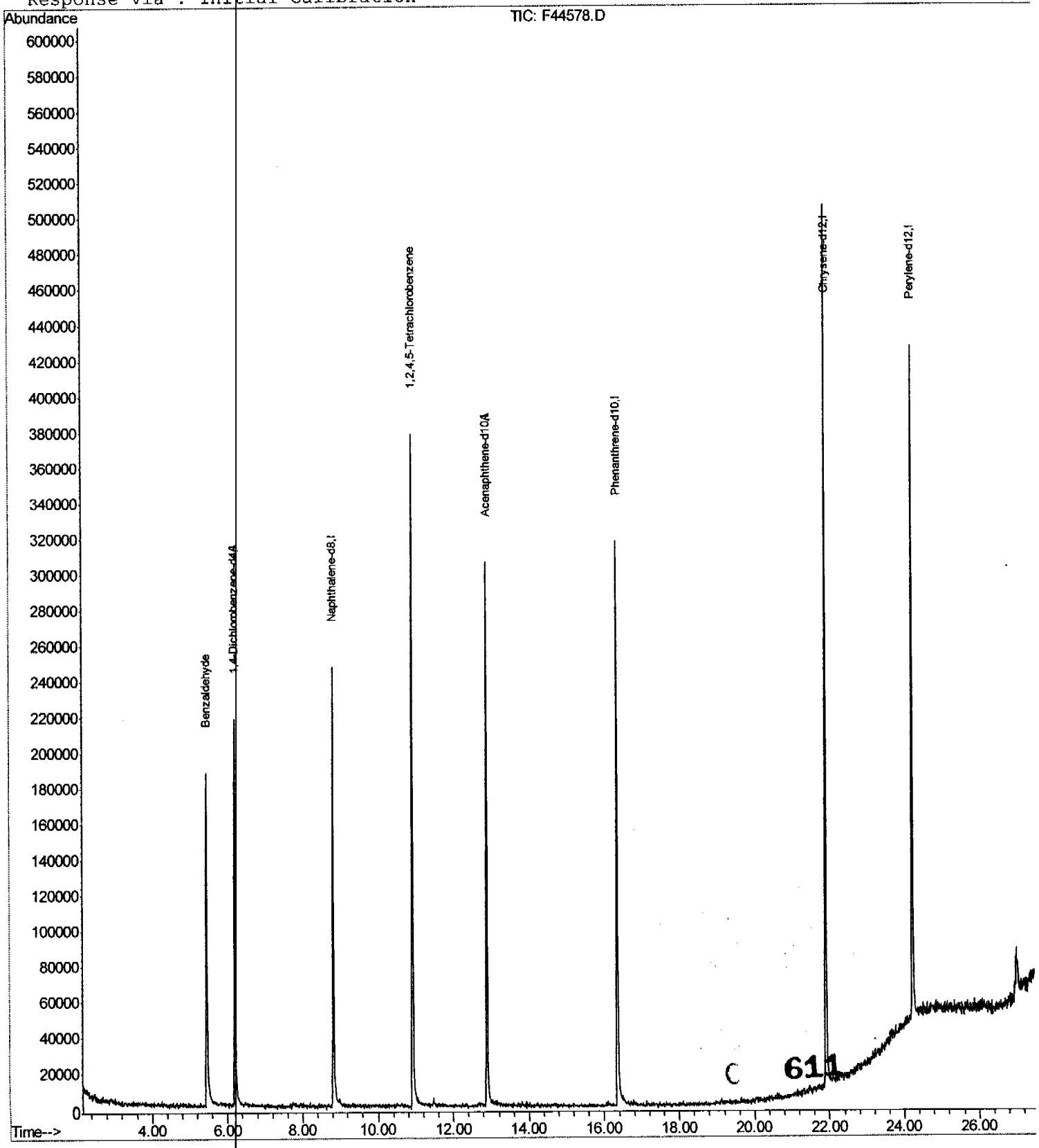
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44578.D
Acq On : 19 Aug 2004 9:39 am
Sample : CC2302-50
Misc : OP17702,EF2405
MS Integration Params: LSCINT.P
Quant Time: Aug 19 12:05 2004

Vial: 3
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

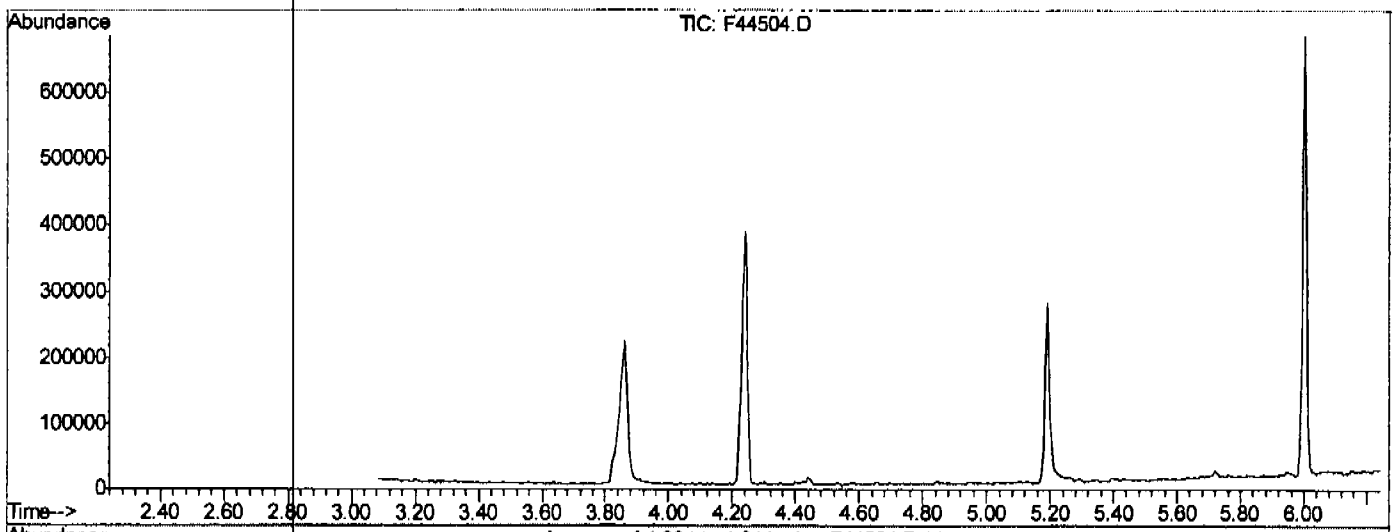
Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration

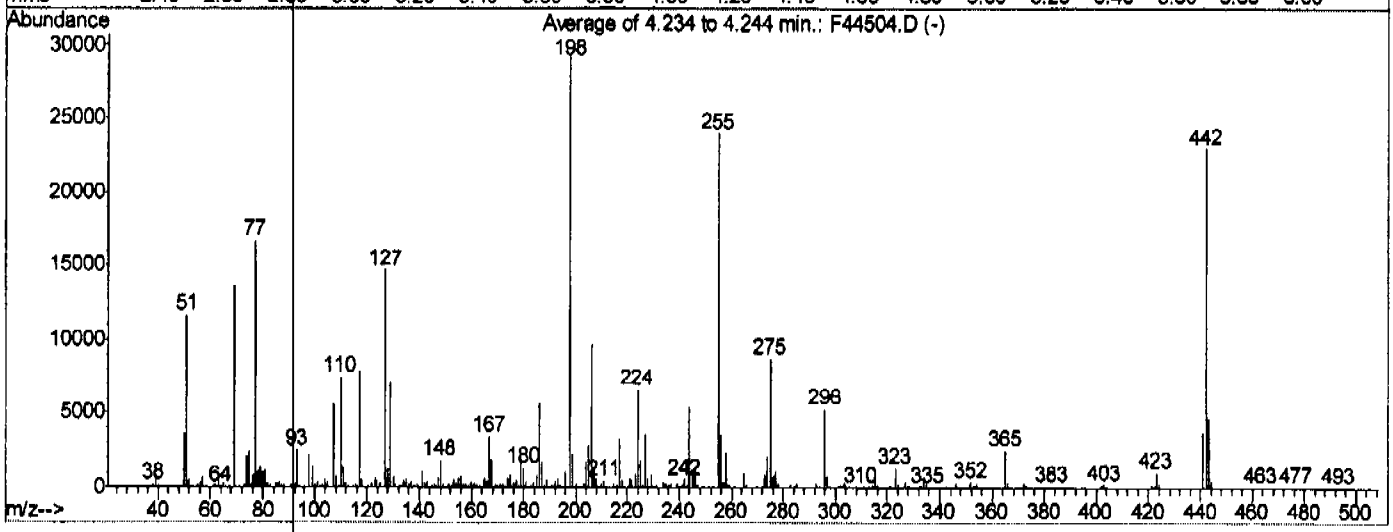


C 611

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF2402\F44504.D Vial: 1
Acq On : 16 Aug 2004 1:51 pm Operator: NINAP
Sample : DFTPP Inst : MSF
Misc : OP17679,EF2402 Multiplr: 1.00
MS Integration Params: LSCINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS





AutoFind: Scans 216, 217, 218; Background Corrected with Scan 208

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.9	11629	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.6	13576	PASS
70	69	0.00	2	0.5	66	PASS
127	198	40	60	50.5	14695	PASS
197	198	0.00	1	0.0	2	PASS
198	198	100	100	100.0	29112	PASS
199	198	5	9	7.5	2193	PASS
275	198	10	30	29.8	8671	PASS
365	198	1	100	8.4	2458	PASS
441	443	0.10	100	79.2	3670	PASS
442	198	40	100	79.0	22985	PASS
443	442	17	23	20.2	4634	PASS

612

F44504.D DFTPPF.M Tue Aug 17 09:38:05 2004 MSF

Average of 4.234 to 4.244 min.: F44504.D
DFTPP
Modified:subtracted

36.10	86.0
37.90	109.0
38.05	193.0
39.10	794.0
39.90	17.0
40.15	53.0
40.75	23.0
41.30	58.0
42.20	78.0
43.20	34.0
44.10	37.0
44.60	17.0
45.05	48.0
48.10	10.0
49.05	108.0
49.95	3614.0
51.00	11629.0
52.00	509.0
53.00	71.0
55.00	131.0
55.20	36.0
55.95	319.0
57.05	784.0
58.25	45.0
61.00	101.0
61.20	92.0
61.80	154.0
63.05	616.0
63.90	33.0
65.10	269.0
67.10	85.0
69.00	13576.0
69.80	66.0
71.00	76.0
71.20	24.0
71.80	27.0
73.00	155.0
74.05	2075.0
75.00	2317.0
75.90	278.0
76.05	858.0
77.10	16672.0
78.05	1133.0
79.00	1357.0
79.95	974.0
81.05	1215.0
81.90	290.0
83.00	158.0
84.00	30.0
85.00	270.0
85.90	366.0
87.00	195.0
87.70	38.0
88.00	129.0
89.00	23.0
91.00	136.0
91.95	259.0
93.00	2514.0
93.90	106.0
95.05	2.0
96.10	77.0
97.95	2150.0
99.00	1434.0
100.10	173.0
100.90	276.0
101.10	317.0
101.90	45.0
102.95	187.0
104.00	502.0
104.80	65.0
105.05	379.0
106.10	34.0
107.00	5570.0

108.00	742.0
108.90	127.0
110.00	7406.0
110.95	1314.0
112.00	213.0
113.00	94.0
114.90	89.0
115.80	131.0
116.00	117.0
117.00	7790.0
118.00	528.0
120.15	80.0
120.60	27.0
121.90	293.0
123.05	583.0
123.85	456.0
124.90	222.0
127.00	14695.0
128.00	1230.0
129.00	7043.0
130.00	665.0
130.85	178.0
131.10	20.0
132.00	55.0
132.50	56.0
132.90	84.0
133.95	415.0
134.85	503.0
135.70	41.0
136.05	170.0
136.50	68.0
136.90	308.0
137.80	48.0
138.05	107.0
139.00	129.0
139.20	17.0
139.80	71.0
141.00	1121.0
141.95	221.0
142.20	191.0
143.05	303.0
144.10	19.0
144.90	55.0
145.20	23.0
145.90	185.0
146.20	101.0
146.95	586.0
148.00	1785.0
148.90	179.0
149.60	44.0
150.20	27.0
151.05	160.0
151.40	143.0
151.80	18.0
152.10	85.0
153.05	540.0
154.05	246.0
155.00	572.0
156.00	794.0
157.00	141.0
157.80	44.0
158.10	212.0
159.05	69.0
159.90	376.0
160.20	80.0
160.80	185.0
161.05	262.0
162.05	169.0
163.10	77.0
164.90	575.0
165.95	458.0
166.95	3400.0
167.95	1835.0
169.15	146.0
169.90	117.0

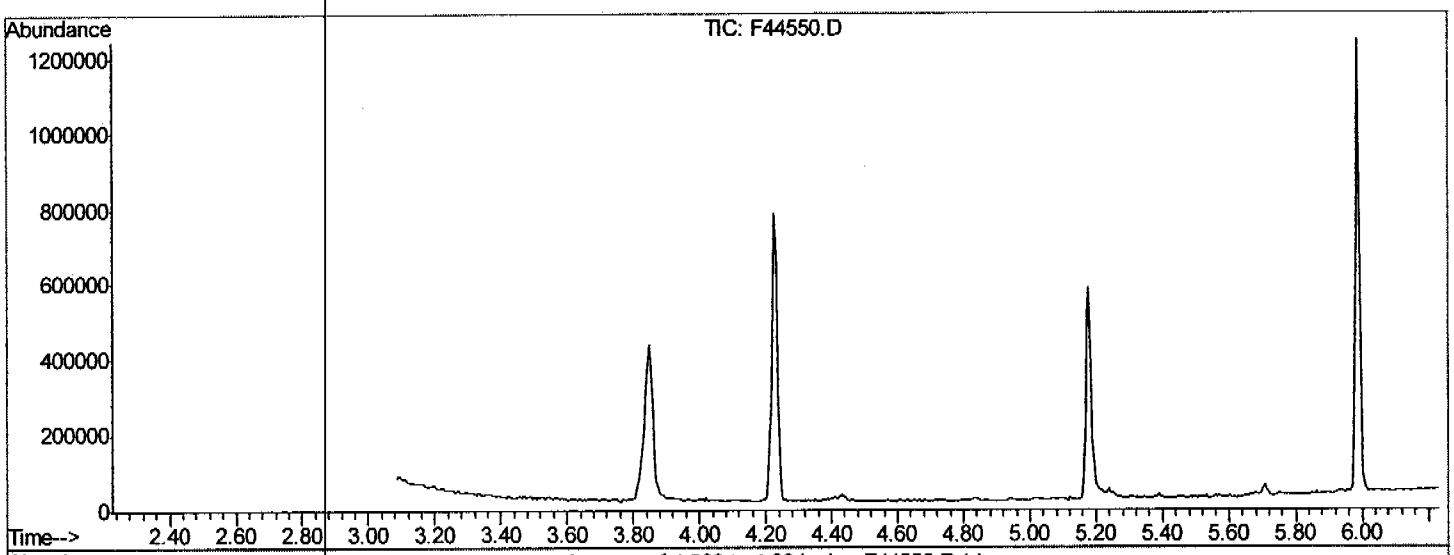
170.95	130.0
171.60	44.0
171.85	168.0
172.70	101.0
173.00	95.0
174.05	601.0
174.95	849.0
176.05	240.0
176.90	409.0
177.90	83.0
178.95	1974.0
180.05	1288.0
180.95	372.0
181.80	37.0
182.20	19.0
182.75	83.0
183.80	233.0
185.00	756.0
185.95	5600.0
187.00	1678.0
188.00	194.0
189.00	538.0
189.65	55.0
190.00	22.0
190.95	170.0
191.80	146.0
192.05	446.0
192.90	578.0
193.90	36.0
194.05	138.0
194.60	41.0
195.00	22.0
196.00	999.0
196.80	2.0
198.00	29112.0
198.95	2193.0
199.80	102.0
200.05	261.0
200.80	39.0
201.50	80.0
202.85	213.0
203.90	1723.0
205.00	2765.0
206.00	9630.0
207.00	1209.0
207.95	593.0
209.00	58.0
209.95	219.0
210.80	103.0
211.05	447.0
211.65	77.0
212.00	36.0
214.85	259.0
215.80	72.0
216.10	156.0
216.95	3192.0
217.90	546.0
219.00	48.0
220.70	301.0
220.90	593.0
221.25	516.0
221.85	494.0
223.05	914.0
224.05	6577.0
225.00	1752.0
225.90	205.0
226.95	3540.0
227.80	145.0
228.05	566.0
229.05	842.0
230.05	88.0
230.50	29.0
230.80	115.0
231.15	159.0
232.00	18.0

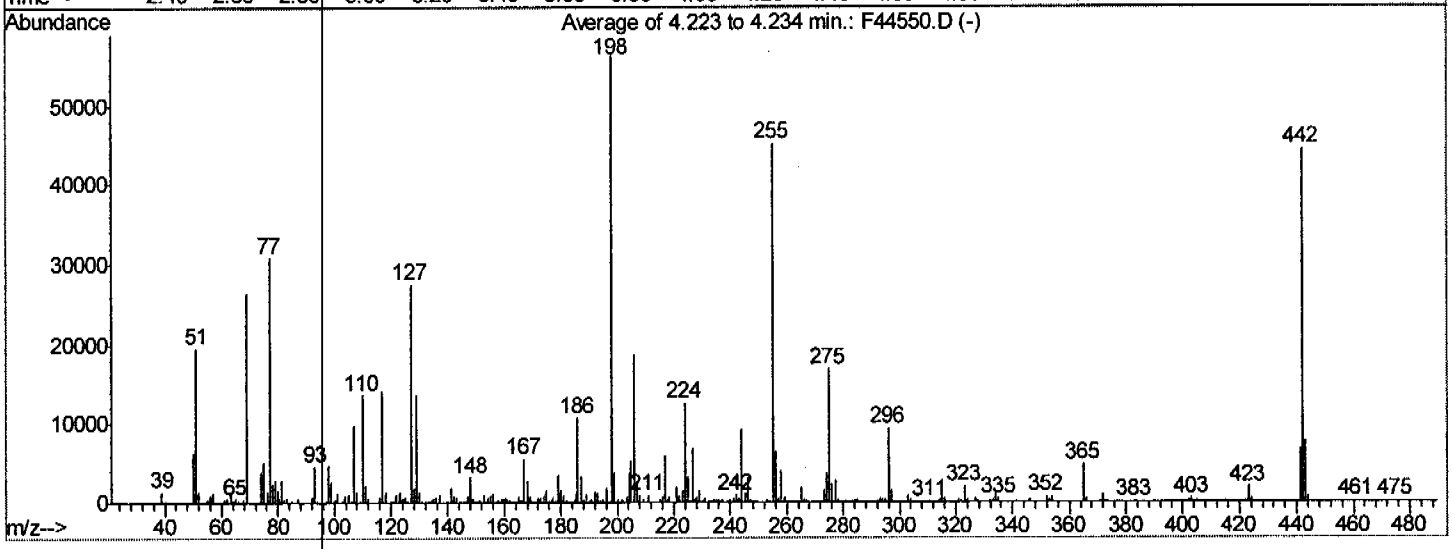
233.00	20.0
233.70	59.0
234.00	331.0
234.95	265.0
235.85	148.0
236.10	80.0
236.50	58.0
236.95	272.0
237.90	30.0
238.90	248.0
239.70	36.0
240.05	90.0
240.80	139.0
241.20	75.0
242.05	553.0
242.95	204.0
243.20	134.0
244.00	5357.0
245.05	864.0
245.95	1462.0
246.80	150.0
247.05	173.0
248.10	25.0
249.00	57.0
249.20	64.0
249.70	34.0
251.05	118.0
251.90	43.0
252.20	24.0
252.85	76.0
253.00	82.0
253.20	32.0
255.00	24013.0
256.00	3524.0
256.70	67.0
257.10	353.0
257.95	2375.0
258.80	130.0
259.10	206.0
261.20	64.0
264.00	32.0
264.95	1021.0
266.00	132.0
266.95	40.0
267.80	19.0
269.90	57.0
271.00	18.0
271.20	40.0
271.85	87.0
272.95	802.0
273.95	2092.0
275.00	8671.0
275.80	273.0
276.10	752.0
276.85	324.0
277.05	1111.0
278.00	270.0
278.80	38.0
282.00	42.0
282.95	137.0
283.60	29.0
284.00	57.0
285.00	231.0
287.10	17.0
289.00	21.0
289.20	40.0
289.80	23.0
291.70	38.0
292.20	17.0
292.80	288.0
293.10	74.0
293.80	28.0
294.00	72.0
294.90	22.0
296.00	5235.0

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF2404\F44550.D
Acq On : 18 Aug 2004 8:45 am
Sample : DFTPP
Misc : OP17679,EF2404
MS Integration Params: LSCINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS

Vial: 1
Operator: NINAP
Inst : MSF
Multiplr: 1.00





Spectrum Information: Average of 4.223 to 4.234 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.7	19522	PASS
68	69	0.00	2	1.0	266	PASS
69	198	0.00	100	47.1	26456	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	48.8	27432	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	56216	PASS
199	198	5	9	6.7	3782	PASS
275	198	10	30	30.0	16863	PASS
365	198	1	100	8.5	4802	PASS
441	443	0.10	100	87.4	6842	PASS
442	198	40	100	79.0	44386	PASS
443	442	17	23	17.6	7828	PASS

617

Average of 4.223 to 4.234 min.: F44550.D
DFTPP
Modified:subtracted

35.95	84.0
38.00	234.0
39.00	1370.0
40.05	167.0
43.50	39.0
43.80	35.0
44.00	76.0
44.90	75.0
50.00	6308.0
51.05	19522.0
52.10	1351.0
54.80	102.0
55.15	277.0
55.95	875.0
57.05	1091.0
58.00	39.0
59.00	36.0
61.00	272.0
61.95	461.0
63.00	1156.0
64.00	147.0
64.95	466.0
66.05	99.0
66.90	36.0
67.15	75.0
67.90	266.0
69.00	26456.0
71.80	41.0
74.05	3843.0
75.00	5194.0
76.10	1350.0
77.10	30749.0
78.05	2265.0
79.00	2723.0
79.90	1490.0
80.10	523.0
81.00	2745.0
81.70	82.0
82.00	348.0
82.30	78.0
83.05	439.0
85.00	97.0
86.00	43.0
87.00	459.0
87.20	81.0
90.95	65.0
92.00	732.0
93.00	4545.0
94.05	230.0
94.50	44.0
94.90	64.0
95.30	75.0
96.85	139.0
97.95	4648.0
98.95	2543.0
99.95	387.0
101.00	1203.0
102.10	47.0
102.90	163.0
103.20	158.0
103.50	161.0
103.90	771.0
104.95	999.0
105.90	171.0
107.00	9758.0
108.00	1364.0
108.95	198.0
110.00	13568.0
111.10	2057.0
112.05	470.0
112.80	84.0

115.95	685.0
117.00	14123.0
117.95	1344.0
118.70	46.0
120.05	159.0
120.60	35.0
121.05	105.0
121.70	193.0
122.00	972.0
123.05	1286.0
124.05	538.0
124.95	663.0
125.75	111.0
127.00	27432.0
128.00	1743.0
129.00	13648.0
130.00	1371.0
130.90	100.0
132.15	122.0
133.05	129.0
133.80	224.0
134.20	374.0
134.90	432.0
135.70	108.0
135.95	594.0
137.10	975.0
138.10	64.0
140.00	187.0
141.00	1746.0
142.10	767.0
142.95	694.0
143.80	36.0
144.10	95.0
144.70	38.0
145.75	199.0
146.00	103.0
146.20	71.0
146.95	24.0
147.15	751.0
147.95	3189.0
148.85	457.0
149.10	182.0
149.70	82.0
150.10	135.0
150.90	256.0
151.20	47.0
151.40	64.0
151.65	123.0
152.95	899.0
154.10	700.0
155.00	845.0
156.00	1136.0
156.70	54.0
157.05	52.0
158.05	333.0
158.70	44.0
159.10	433.0
159.80	285.0
160.05	427.0
160.75	529.0
161.00	288.0
161.70	59.0
162.00	265.0
162.90	122.0
164.05	142.0
165.00	700.0
165.90	355.0
166.10	236.0
166.95	5529.0
168.00	2806.0
168.95	600.0
169.70	81.0
170.00	217.0
170.90	131.0

173.95	805.0
175.05	1439.0
176.00	179.0
176.80	161.0
177.00	726.0
178.10	131.0
178.95	3423.0
180.05	1465.0
181.00	841.0
181.90	155.0
182.25	205.0
183.00	44.0
183.90	72.0
184.90	265.0
185.10	1022.0
185.95	10669.0
187.00	3219.0
187.95	329.0
189.00	980.0
190.10	115.0
190.80	288.0
191.40	84.0
192.00	1306.0
192.95	1179.0
193.80	126.0
194.85	316.0
195.95	1760.0
197.95	56216.0
198.95	3782.0
199.90	72.0
200.15	282.0
201.00	55.0
201.70	407.0
202.10	95.0
203.15	723.0
204.05	3664.0
204.90	5411.0
206.05	18688.0
206.90	2321.0
207.80	199.0
207.95	825.0
208.75	28.0
209.05	305.0
210.90	837.0
214.10	86.0
214.30	36.0
215.05	282.0
215.95	684.0
217.00	5946.0
217.80	347.0
218.05	645.0
218.70	47.0
220.95	1985.0
221.50	324.0
221.90	771.0
222.10	209.0
223.00	1516.0
224.05	12511.0
225.05	3309.0
226.00	231.0
226.95	6777.0
227.80	417.0
228.00	720.0
228.95	1452.0
229.85	182.0
230.10	65.0
231.05	436.0
232.05	143.0
233.00	173.0
233.85	356.0
235.00	352.0
235.20	209.0
235.80	121.0
236.00	299.0

238.05	80.0
238.90	230.0
239.10	151.0
239.80	44.0
240.05	285.0
241.05	433.0
241.95	906.0
242.95	458.0
244.05	9243.0
245.05	1133.0
245.95	3105.0
247.05	364.0
247.70	45.0
248.20	92.0
249.10	123.0
253.05	356.0
253.80	169.0
255.00	45144.0
255.95	6448.0
257.00	465.0
258.00	4126.0
259.05	732.0
259.90	156.0
260.20	45.0
260.95	116.0
264.85	1852.0
265.80	60.0
266.10	332.0
266.90	236.0
267.30	39.0
269.70	47.0
270.10	40.0
271.10	72.0
272.10	175.0
273.00	1534.0
273.95	3737.0
274.90	16863.0
276.00	2276.0
277.05	2816.0
278.00	304.0
278.60	34.0
279.00	115.0
280.90	182.0
282.95	188.0
283.20	89.0
284.00	326.0
284.80	332.0
285.05	296.0
287.80	96.0
288.20	79.0
290.10	40.0
291.10	68.0
291.90	213.0
293.00	506.0
294.10	283.0
295.00	396.0
296.00	9392.0
297.00	1509.0
297.90	73.0
301.00	45.0
302.00	67.0
303.00	819.0
304.00	271.0
307.95	87.0
309.90	64.0
310.80	95.0
312.00	46.0
312.95	83.0
314.15	405.0
314.90	793.0
315.10	384.0
315.95	554.0
317.00	40.0
318.90	60.0

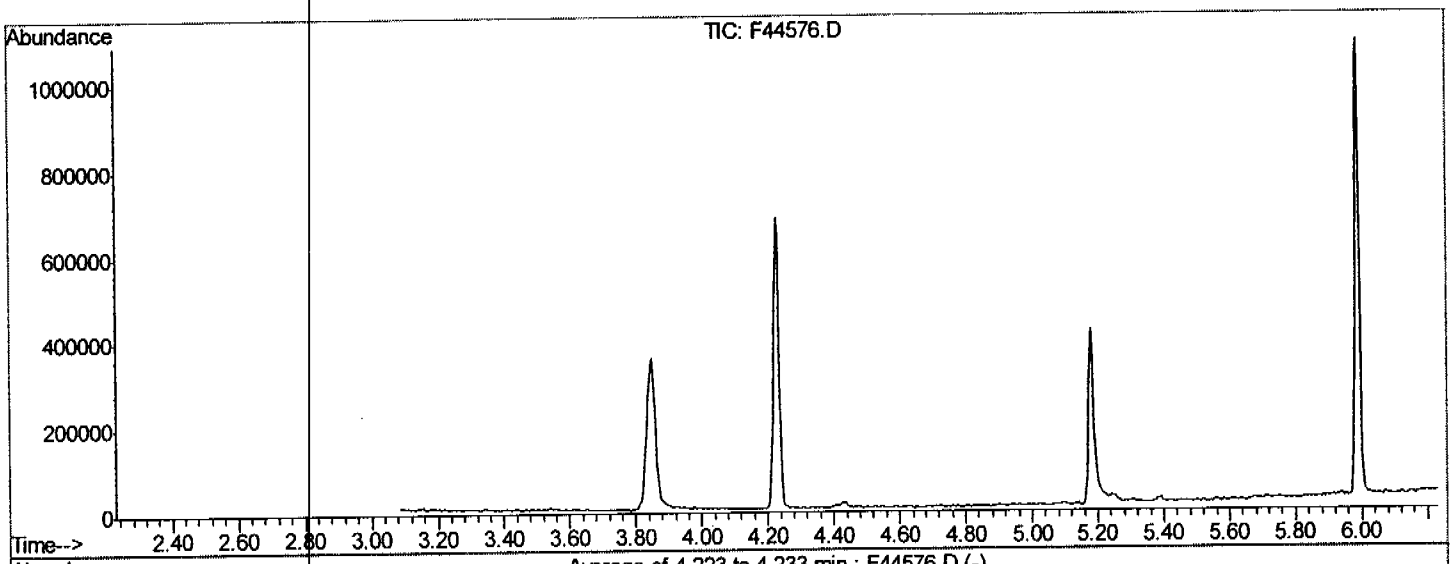
322.20	84.0
323.00	1999.0
323.80	102.0
323.95	309.0
324.80	38.0
325.10	48.0
325.70	73.0
325.90	62.0
326.85	432.0
327.10	244.0
327.90	107.0
329.60	67.0
330.00	55.0
330.70	72.0
331.50	49.0
331.90	163.0
332.20	111.0
333.05	375.0
334.05	1183.0
334.95	414.0
339.10	37.0
341.15	229.0
342.10	39.0
343.20	47.0
344.90	34.0
345.80	250.0
346.00	261.0
346.40	36.0
346.70	42.0
347.00	41.0
347.20	33.0
349.70	43.0
350.80	43.0
351.90	731.0
352.70	146.0
353.05	365.0
353.90	579.0
359.20	58.0
360.80	75.0
365.00	4802.0
365.95	470.0
366.70	39.0
369.10	37.0
369.80	33.0
370.00	47.0
370.90	113.0
371.95	946.0
372.90	133.0
373.20	90.0
377.00	71.0
383.00	129.0
388.60	34.0
389.90	109.0
390.60	52.0
390.90	42.0
392.90	41.0
394.90	37.0
401.20	70.0
402.00	282.0
402.20	156.0
403.00	441.0
403.40	60.0
404.05	173.0
404.70	94.0
405.15	117.0
414.95	138.0
417.00	61.0
418.10	35.0
421.00	80.0
421.40	81.0
422.00	173.0
422.70	340.0
423.05	1903.0
424.10	412.0

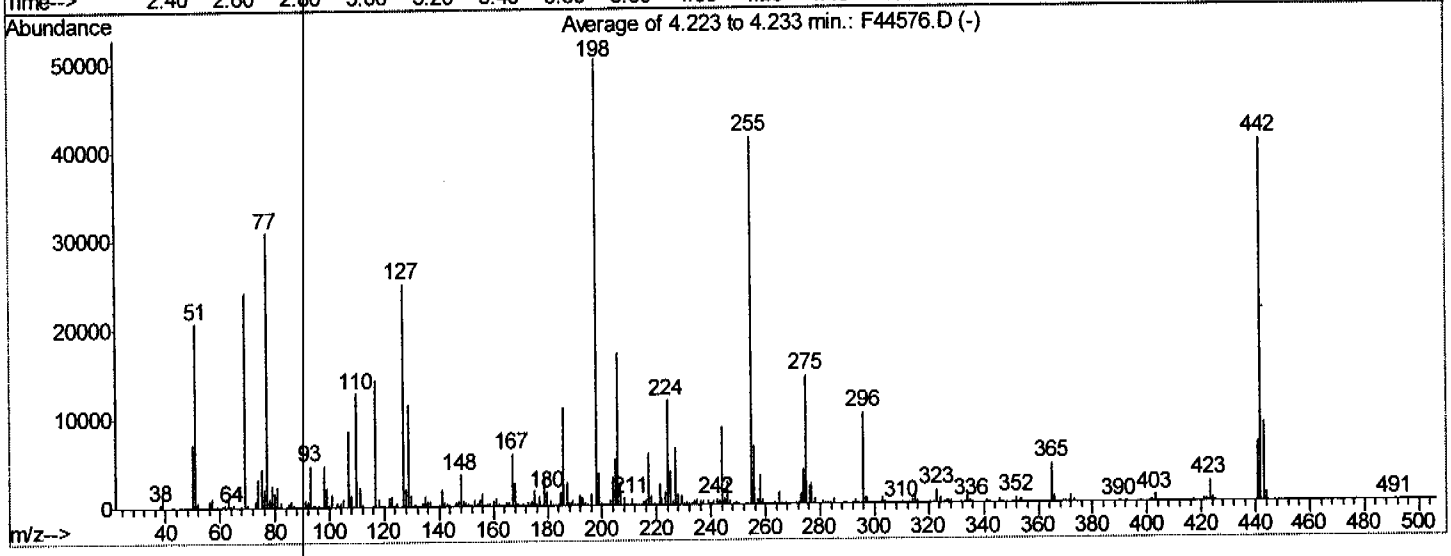
431.00	44.0
432.40	39.0
437.20	44.0
438.00	60.0
438.60	45.0
441.05	6842.0
442.05	44386.0
443.05	7828.0
444.00	580.0
451.90	38.0
460.90	63.0
474.90	49.0

DFTPP

Data File : C:\MSDCHEM\1\DATA\EF2405\F44576.D
Acq On : 19 Aug 2004 8:48 am
Sample : DFTPP
Misc : OP17702,EF2405
MS Integration Params: LSCINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPF.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS

Vial: 1
Operator: NINAP
Inst : MSF
Multiplr: 1.00





AutoFind: Scans 214, 215, 216; Background Corrected with Scan 207

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.2	20676	PASS
68	69	0.00	2	0.5	130	PASS
69	198	0.00	100	47.8	24037	PASS
70	69	0.00	2	0.9	222	PASS
127	198	40	60	49.8	25005	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	50242	PASS
199	198	5	9	7.3	3654	PASS
275	198	10	30	28.6	14384	PASS
365	198	1	100	8.7	4393	PASS
441	443	0.10	100	75.9	6713	PASS
442	198	40	100	81.1	40744	PASS
443	442	17	23	21.7	8848	PASS

Average of 4.223 to 4.233 min.: F44576.D
DFTPP
Modified:subtracted

36.80	49.0
37.00	7.0
38.00	370.0
39.05	1838.0
40.20	43.0
42.00	43.0
42.30	46.0
43.10	158.0
43.30	41.0
44.60	39.0
47.30	53.0
47.90	41.0
48.95	189.0
50.05	7037.0
51.10	20676.0
51.80	370.0
52.05	551.0
53.00	42.0
56.00	764.0
57.05	1053.0
58.85	148.0
60.90	152.0
61.10	163.0
61.95	226.0
63.05	826.0
63.80	34.0
64.10	211.0
64.90	163.0
65.10	300.0
66.30	36.0
67.80	130.0
69.00	24037.0
69.95	222.0
71.20	38.0
73.10	659.0
74.05	3171.0
75.05	4392.0
76.00	2100.0
77.10	30829.0
77.90	963.0
78.10	518.0
79.05	2462.0
80.00	1568.0
81.00	2332.0
82.05	588.0
82.80	77.0
84.95	429.0
86.00	798.0
86.90	231.0
87.10	129.0
87.70	41.0
87.90	134.0
88.90	55.0
90.90	757.0
92.15	552.0
93.00	4644.0
93.80	108.0
94.30	81.0
94.95	163.0
95.85	154.0
96.05	130.0
98.00	4625.0
99.05	2238.0
99.70	106.0
99.95	249.0
101.05	1515.0
101.80	74.0
103.00	425.0
103.80	243.0
104.05	456.0
105.00	901.0

108.00	1332.0
108.70	125.0
109.00	214.0
110.00	12687.0
111.05	2200.0
111.80	132.0
112.05	304.0
114.10	34.0
115.70	128.0
116.10	115.0
117.00	14155.0
118.00	929.0
118.70	33.0
119.00	134.0
119.90	134.0
120.10	38.0
121.95	995.0
123.00	1226.0
123.95	174.0
124.20	179.0
124.90	405.0
127.00	25005.0
128.00	1989.0
129.00	11469.0
129.95	1334.0
130.70	79.0
131.10	281.0
132.20	70.0
132.50	48.0
132.70	45.0
133.95	415.0
135.05	1186.0
135.95	640.0
137.05	520.0
137.70	37.0
138.10	70.0
139.50	44.0
140.15	144.0
140.95	1853.0
141.80	286.0
142.00	395.0
142.85	285.0
143.20	90.0
144.05	204.0
145.30	73.0
145.80	203.0
146.00	381.0
146.90	532.0
147.10	68.0
147.95	3616.0
149.00	639.0
150.00	392.0
151.00	304.0
151.30	196.0
151.90	93.0
152.20	152.0
152.95	677.0
153.70	60.0
153.90	224.0
154.15	239.0
155.00	763.0
156.05	1407.0
157.05	148.0
157.75	247.0
158.10	127.0
158.40	42.0
158.90	265.0
160.05	631.0
161.00	827.0
161.95	324.0
163.05	89.0
163.80	84.0
164.00	50.0
164.70	197.0
164.95	446.0

167.05	5873.0
167.95	2676.0
168.90	344.0
169.20	116.0
170.10	118.0
170.95	258.0
171.80	139.0
171.95	220.0
172.80	432.0
173.90	227.0
174.05	530.0
175.05	1702.0
175.85	316.0
176.20	81.0
176.95	1032.0
177.90	59.0
178.10	119.0
178.95	3092.0
179.95	1590.0
180.95	543.0
182.10	138.0
183.05	168.0
183.50	37.0
183.85	144.0
184.20	123.0
185.00	1426.0
186.00	11010.0
187.05	2650.0
187.85	308.0
188.20	62.0
188.80	311.0
189.05	641.0
190.00	198.0
190.95	195.0
191.30	95.0
192.00	1117.0
192.95	908.0
193.95	281.0
194.85	88.0
195.95	1341.0
197.95	50242.0
198.95	3654.0
199.85	269.0
200.30	119.0
201.00	43.0
201.25	105.0
201.80	155.0
202.80	216.0
203.05	534.0
204.00	3210.0
205.05	5175.0
206.00	17093.0
206.95	2683.0
208.00	889.0
208.80	41.0
208.90	211.0
209.85	71.0
210.80	727.0
211.90	168.0
213.10	50.0
214.30	59.0
214.95	432.0
216.05	571.0
217.00	5757.0
218.05	978.0
218.80	109.0
219.20	82.0
221.05	2295.0
221.90	738.0
223.05	1445.0
224.00	11685.0
225.00	3710.0
225.85	368.0
226.10	162.0

229.00	1054.0
229.90	181.0
230.85	281.0
231.10	105.0
231.85	105.0
233.00	110.0
233.60	107.0
234.05	476.0
234.30	62.0
234.95	612.0
236.00	453.0
236.40	39.0
236.90	182.0
237.05	444.0
237.70	54.0
238.00	42.0
238.90	368.0
239.20	105.0
239.95	158.0
240.20	86.0
240.75	376.0
241.05	185.0
242.00	597.0
242.80	154.0
243.05	442.0
244.05	8766.0
244.85	758.0
245.20	222.0
245.95	2660.0
246.80	92.0
246.95	422.0
248.10	116.0
248.80	87.0
249.15	234.0
249.95	81.0
253.10	192.0
255.00	41333.0
255.95	6473.0
257.10	559.0
258.00	3329.0
258.80	225.0
259.15	651.0
260.10	80.0
260.85	162.0
263.00	86.0
263.90	82.0
265.05	1374.0
265.95	167.0
266.90	37.0
267.30	112.0
267.90	46.0
268.40	38.0
269.10	41.0
271.10	111.0
272.05	135.0
273.05	1179.0
273.95	3847.0
275.00	14384.0
276.05	2005.0
276.95	2364.0
277.80	126.0
278.05	513.0
279.10	57.0
281.15	302.0
281.90	191.0
282.75	126.0
282.90	135.0
283.10	42.0
283.80	137.0
283.95	196.0
284.95	513.0
288.10	52.0
288.85	150.0
289.95	133.0
290.90	48.0

292.20	100.0
293.00	436.0
293.85	162.0
296.00	10206.0
296.85	714.0
297.10	546.0
298.10	160.0
300.75	125.0
301.60	90.0
303.00	679.0
303.20	215.0
304.00	303.0
305.50	52.0
308.00	34.0
308.30	33.0
309.00	34.0
309.30	37.0
310.15	113.0
311.70	46.0
312.60	85.0
313.30	57.0
313.70	49.0
314.05	377.0
314.90	1049.0
315.80	308.0
317.10	73.0
318.90	48.0
319.90	39.0
320.75	180.0
321.85	85.0
322.10	118.0
323.05	1477.0
324.15	622.0
325.80	131.0
326.85	330.0
327.10	236.0
328.00	312.0
330.00	60.0
331.10	37.0
331.75	92.0
333.00	164.0
333.30	179.0
333.90	382.0
334.05	1267.0
334.95	262.0
335.90	166.0
338.80	36.0
340.80	46.0
341.10	251.0
341.95	126.0
343.00	38.0
345.85	451.0
346.10	196.0
347.05	133.0
348.10	56.0
350.60	38.0
351.00	65.0
351.30	45.0
352.05	615.0
353.00	324.0
353.85	394.0
354.20	149.0
355.05	161.0
358.90	55.0
364.95	4393.0
365.90	713.0
366.80	51.0
367.00	45.0
369.10	107.0
370.00	208.0
371.20	124.0
371.95	794.0
373.05	254.0
373.85	71.0

386.20	42.0
390.05	105.0
392.20	107.0
396.40	66.0
401.90	261.0
403.05	810.0
403.85	177.0
405.30	35.0
417.05	81.0
419.90	35.0
420.80	230.0
421.30	67.0
421.90	281.0
422.10	220.0
423.00	2341.0
423.95	511.0
425.10	81.0
428.90	34.0
431.20	37.0
438.30	44.0
439.00	36.0
441.10	6713.0
442.00	40744.0
443.05	8848.0
444.05	975.0
446.00	72.0
491.10	41.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44554.D
Acq On : 18 Aug 2004 10:58 am
Sample : OP17702-MB1
Misc : OP17702,EF2404,1000
MS Integration Params: LSCINT.P
Quant Time: Aug 18 11:26:37 2004

Vial: 5
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	46066	40.00	ppb	-0.01
25) Naphthalene-d8	8.83	136	169765	40.00	ppb	-0.02
48) Acenaphthene-d10	12.90	164	106676	40.00	ppb	-0.02
70) Phenanthrene-d10	16.37	188	208470	40.00	ppb	-0.02
85) Chrysene-d12	21.93	240	282896	40.00	ppb	-0.02
95) Perylene-d12	24.23	264	202113	40.00	ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	46066	40.00	ppb	0.00
108) Acenaphthene-d10A	12.90	164	106676	40.00	ppb	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.22	112	32105	24.79	ppb	-0.01
Spiked Amount 50.000			Recovery = 49.58%			
8) Phenol-d5	5.71	99	27120	15.44	ppb	-0.01
Spiked Amount 50.000			Recovery = 30.88%			
26) Nitrobenzene-d5	7.37	82	83378	39.09	ppb	-0.01
Spiked Amount 50.000			Recovery = 78.18%			
52) 2-Fluorobiphenyl	11.39	172	157538	39.19	ppb	-0.02
Spiked Amount 50.000			Recovery = 78.38%			
75) 2,4,6-Tribromophenol	14.81	330	27620	44.13	ppb	-0.02
Spiked Amount 50.000			Recovery = 88.26%			
88) Terphenyl-d14	20.04	244	259975	43.80	ppb	-0.02
Spiked Amount 50.000			Recovery = 87.60%			

Target Compounds Qvalue

08/17/04

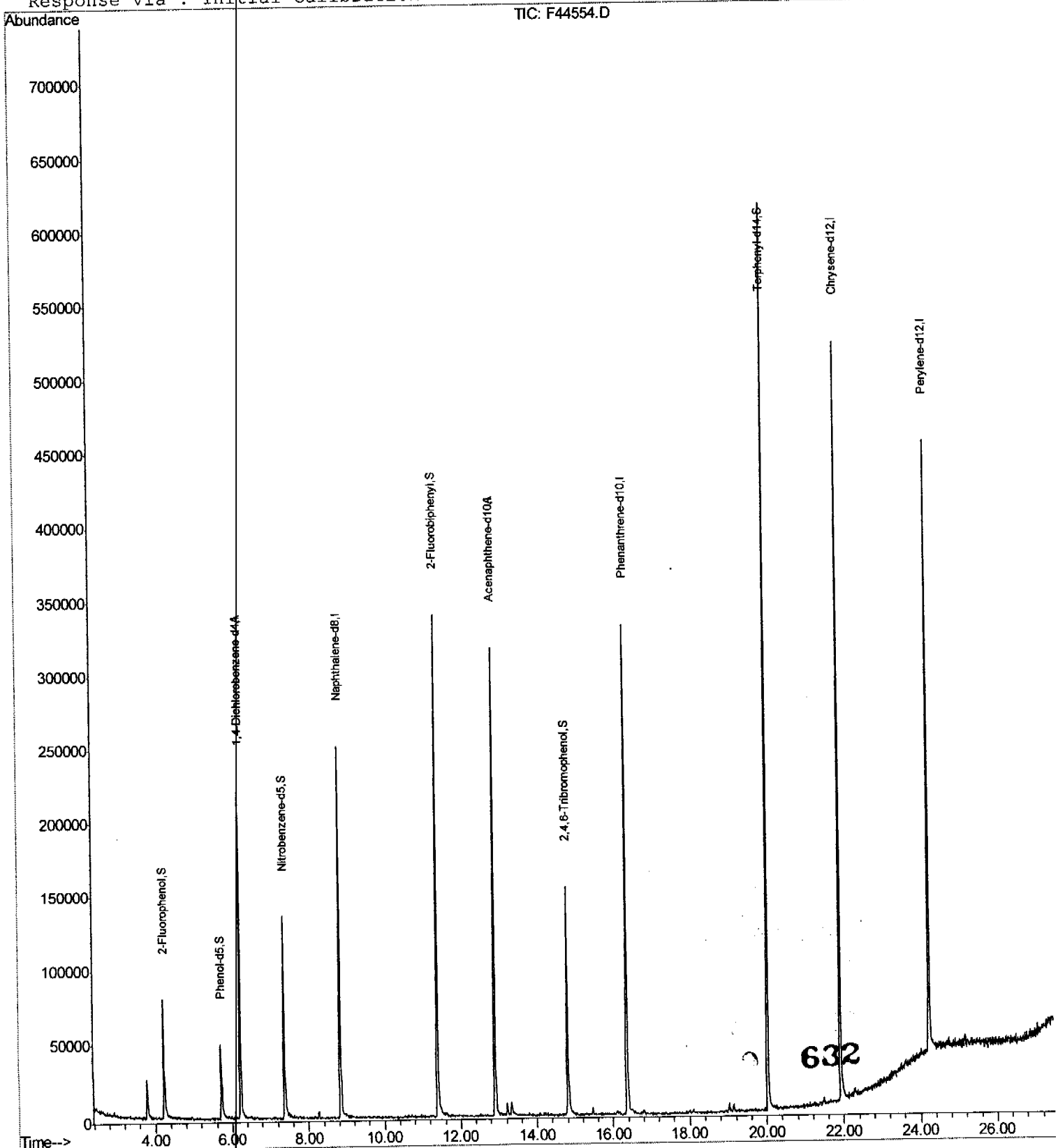
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44554.D
Acq On : 18 Aug 2004 10:58 am
Sample : OP17702-MB1
Misc : OP17702,EF2404,1000
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:10 2004

Vial: 5
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44579.D
Acq On : 19 Aug 2004 10:15 am
Sample : OP17702-MS
Misc : OP17702,EF2405,870
MS Integration Params: LSCINT.P
Quant Time: Aug 19 10:43:35 2004

Vial: 4
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	50097	40.00 ppb	-0.01
25) Naphthalene-d8	8.84	136	189163	40.00 ppb	-0.01
48) Acenaphthene-d10	12.91	164	118668	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	246259	40.00 ppb	-0.02
85) Chrysene-d12	21.92	240	330029	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	215491	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	50097	40.00 ppb	-0.01
108) Acenaphthene-d10A	12.91	164	118668	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.22	112	30921	21.96 ppb	-0.01
Spiked Amount 50.000			Recovery = 43.92%		
8) Phenol-d5	5.70	99	30313	15.87 ppb	-0.02
Spiked Amount 50.000			Recovery = 31.74%		
26) Nitrobenzene-d5	7.37	82	84628	35.60 ppb	-0.01
Spiked Amount 50.000			Recovery = 71.20%		
52) 2-Fluorobiphenyl	11.40	172	165833	37.09 ppb	-0.01
Spiked Amount 50.000			Recovery = 74.18%		
75) 2,4,6-Tribromophenol	14.80	330	30459	41.20 ppb	-0.02
Spiked Amount 50.000			Recovery = 82.40%		
88) Terphenyl-d14	20.03	244	295310	42.65 ppb	-0.02
Spiked Amount 50.000			Recovery = 85.30%		

Target Compounds						Qvalue
2) 1,4-Dioxane	2.41	88	12057	14.66 ppb		95
3) Pyridine	2.76	79	29355	15.45 ppb		89
4) N-Nitrosodimethylamine	2.71	42	23781	20.80 ppb		96
6) Indene	6.75	116	100145	33.35 ppb		98
7) Cumene	4.92	105	119276	27.79 ppb		96
9) Phenol	5.72	94	41542	19.20 ppb		89
10) Aniline	5.72	93	53304	22.83 ppb		85
11) bis(2-Chloroethyl)ether	5.82	93	54228	36.63 ppb		99
13) 2-Chlorophenol	5.90	128	57527	33.78 ppb		96
14) Decane	5.98	43	31539	26.44 ppb		92
15) 1,3-Dichlorobenzene	6.15	146	65887	33.59 ppb		97
16) 1,4-Dichlorobenzene	6.25	146	65799	32.31 ppb		97
17) Benzyl alcohol	6.56	108	31796	29.14 ppb		93
18) 1,2-Dichlorobenzene	6.60	146	62166	33.11 ppb		99
19) Acetophenone	7.07	105	92474	34.94 ppb		92
20) 2-Methylphenol	6.84	108	51002	34.25 ppb		96
21) 2,2'-oxybis(1-Chloropropan	6.86	121	21510	35.17 ppb	#	83
22) 3&4-Methylphenol	7.14	108	50153	31.20 ppb		89
23) n-Nitroso-di-n-propylamine	7.14	70	58326	37.31 ppb		96
24) Hexachloroethane	7.20	201	29827	31.22 ppb		96
27) Nitrobenzene	7.40	123	28130	37.02 ppb		92
28) Quinoline	9.66	129	118405	35.74 ppb		98
29) Isophorone	7.90	82	139498	37.44 ppb		98
30) 2-Nitrophenol	8.08	139	30106	32.33 ppb	#	633
31) 2,4-Dimethylphenol	8.25	107	76282	37.04 ppb		94
32) Benzoic acid	8.52	105	20067	14.46 ppb		87

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44579.D
Acq On : 19 Aug 2004 10:15 am
Sample : OP17702-MS
Misc : OP17702,EF2405,870
MS Integration Params: LSCINT.P
Quant Time: Aug 19 10:43:35 2004

Vial: 4
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) bis(2-Chloroethoxy)methane	8.44	93	73134	39.54 ppb	97
34) 2,4-Dichlorophenol	8.61	162	56860	38.73 ppb	97
36) 1,2,4-Trichlorobenzene	8.76	180	67076	36.02 ppb	95
38) alpha-Terpineol	8.93	59	52305	36.64 ppb	94
39) Naphthalene	8.87	128	182909	34.72 ppb	94
40) 4-Chloroaniline	9.11	127	61769	30.30 ppb	98
41) 2,3-Dichloroaniline	11.21	161	74496	38.41 ppb	99
42) Caprolactam	9.84	55	3058	6.05 ppb	91
43) Hexachlorobutadiene	9.32	225	59431	36.04 ppb	96
44) 4-Chloro-3-methylphenol	10.30	107	65389	39.23 ppb	97
45) 2-Methylnaphthalene	10.45	142	135456	38.22 ppb	99
46) 1-Methylnaphthalene	10.70	142	128209	35.41 ppb	96
47) Dimethylnaphthalene	11.92	156	129850	37.26 ppb	98
49) Hexachlorocyclopentadiene	10.99	237	120146	68.80 ppb	91
50) 2,4,6-Trichlorophenol	11.22	196	55142	40.70 ppb	98
51) 2,4,5-Trichlorophenol	11.32	196	55456	39.50 ppb	88
53) 2-Chloronaphthalene	11.56	162	136586	38.40 ppb	94
54) Biphenyl	11.58	154	188162	37.65 ppb	96
55) 2-Nitroaniline	11.95	65	54213	38.78 ppb	96
56) Dimethylphthalate	12.51	163	174071	40.36 ppb	99
57) Acenaphthylene	12.54	152	205723	38.30 ppb	96
58) 2,6-Dinitrotoluene	12.63	165	37654	42.27 ppb	97
59) 3-Nitroaniline	12.94	138	31482	37.17 ppb	90
60) Acenaphthene	12.98	153	144590	38.33 ppb	91
61) 2,4-Dinitrophenol	13.18	184	48065	71.17 ppb	96
62) 4-Nitrophenol	13.51	109	19976	19.88 ppb	81
63) Dibenzofuran	13.37	168	209978	40.44 ppb	99
64) 2,4-Dinitrotoluene	13.55	165	54848	41.88 ppb	92
65) 2,3,4,6-Tetrachlorophenol	13.82	232	55896	40.32 ppb	98
66) Diethylphthalate	14.19	149	211097	42.89 ppb	98
67) Fluorene	14.17	166	180537	39.97 ppb	99
68) 4-Chlorophenyl-phenylether	14.24	204	100215	39.66 ppb	98
69) 4-Nitroaniline	14.40	138	35466	42.30 ppb	94
71) 4,6-Dinitro-2-methylphenol	14.50	198	38072	41.75 ppb	93
72) Atrazine	15.98	200	46844	35.69 ppb	95
73) n-Nitrosodiphenylamine	14.56	169	129263	41.43 ppb	98
74) 1,2-Diphenylhydrazine	14.61	77	231309	43.63 ppb	99
76) 4-Bromophenyl-phenylether	15.38	248	65956	41.40 ppb	98
77) Hexachlorobenzene	15.67	284	70575	41.38 ppb	97
78) Pentachlorophenol	16.14	266	42264	38.95 ppb	93
79) Phenanthrene	16.42	178	285719	42.52 ppb	98
80) Anthracene	16.53	178	287625	43.94 ppb	99
81) Carbazole	16.99	167	254933	47.09 ppb	97
82) Di-n-butylphthalate	18.09	149	332312	45.94 ppb	98
83) Fluoranthene	19.16	202	373406	44.96 ppb	99
84) Octadecane	16.37	57	80534	40.39 ppb	99
86) Benzidine	19.55	184	29559	15.17 ppb	94
87) Pyrene	19.61	202	385987	42.74 ppb	98
89) Butylbenzylphthalate	21.09	149	151448	44.15 ppb	95

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44579.D
Acq On : 19 Aug 2004 10:15 am
Sample : OP17702-MS
Misc : OP17702,EF2405,870
MS Integration Params: LSCINT.P
Quant Time: Aug 19 10:43:35 2004

Vial: 4
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

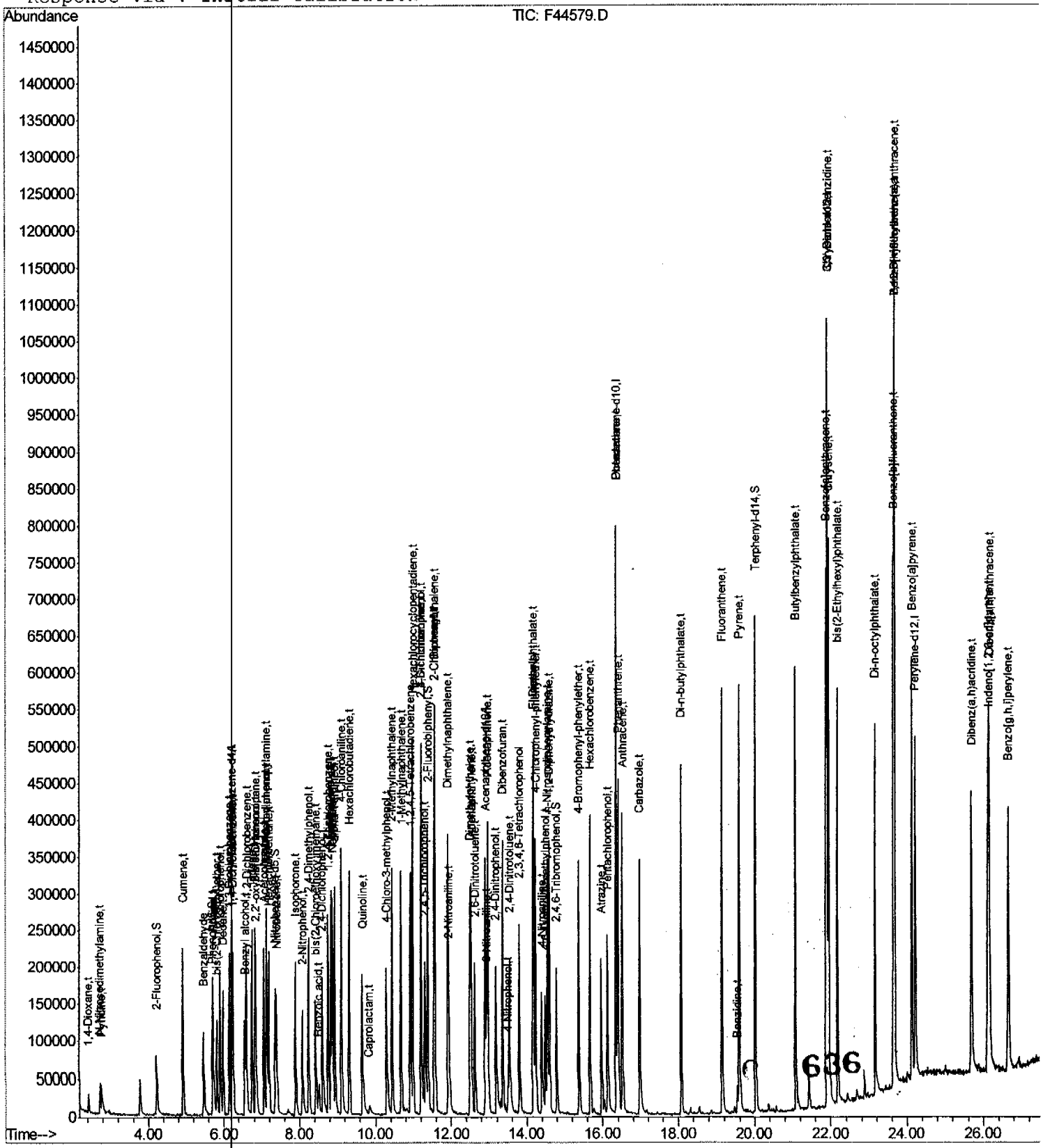
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91)	Benzo[a]anthracene	21.90	228	416272	43.65 ppb	99
92)	3,3'-Dichlorobenzidine	21.93	252	140563	46.17 ppb	91
93)	Chrysene	21.97	228	408806	44.53 ppb	99
94)	bis(2-Ethylhexyl)phthalate	22.19	149	214242	41.47 ppb	97
96)	Di-n-octylphthalate	23.18	149	320106	40.01 ppb	99
97)	Benzo[b]fluoranthene	23.66	252	402500	44.77 ppb	97
98)	Benzo[k]fluoranthene	23.70	252	446354	43.59 ppb	99
99)	Benzo[a]pyrene	24.14	252	360961	44.61 ppb	99
100)	Indeno[1,2,3-cd]pyrene	26.15	276	450584	45.94 ppb	98
101)	Dibenz(a,h)acridine	25.71	279	323534	43.89 ppb	99
102)	Dibenz[a,h]anthracene	26.18	278	378926	45.64 ppb	99
103)	7,12-Dimethylbenz(a)anthra	23.69	256	191646	39.01 ppb	97
105)	Benzo[g,h,i]perylene	26.68	276	363266	45.16 ppb	98
107)	Benzaldehyde	5.47	105	34224	28.93 ppb	97
109)	1,2,4,5-Tetrachlorobenzene	10.94	216	87067	38.74 ppb	98

8/19/04

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44579.D Vial: 4
Acq On : 19 Aug 2004 10:15 am Operator: NINAP
Sample : OP17702-MS Inst : MSF
Misc : OP17702,EF2405,870 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 12:08 2004 Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44580.D Vial: 5
Acq On : 19 Aug 2004 10:52 am Operator: NINAP
Sample : OP17702-MSD Inst : MSF
Misc : OP17702,EF2405,810 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 11:20:04 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.21	152	65112	40.00 ppb	-0.02
25) Naphthalene-d8	8.83	136	248837	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	150788	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	316728	40.00 ppb	-0.02
85) Chrysene-d12	21.93	240	417368	40.00 ppb	-0.01
95) Perylene-d12	24.24	264	275314	40.00 ppb	-0.01
106) 1,4-Dichlorobenzene-d4A	6.21	152	65112	40.00 ppb	-0.02
108) Acenaphthene-d10A	12.91	164	150788	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	42797	23.38 ppb	0.00
Spiked Amount 50.000			Recovery =	46.76%	
8) Phenol-d5	5.70	99	43984	17.72 ppb	-0.02
Spiked Amount 50.000			Recovery =	35.44%	
26) Nitrobenzene-d5	7.37	82	108540	34.71 ppb	-0.01
Spiked Amount 50.000			Recovery =	69.42%	
52) 2-Fluorobiphenyl	11.40	172	214684	37.78 ppb	-0.01
Spiked Amount 50.000			Recovery =	75.56%	
75) 2,4,6-Tribromophenol	14.80	330	40156	42.23 ppb	-0.02
Spiked Amount 50.000			Recovery =	84.46%	
88) Terphenyl-d14	20.03	244	380281	43.43 ppb	-0.02
Spiked Amount 50.000			Recovery =	86.86%	
Target Compounds					Qvalue
2) 1,4-Dioxane	2.42	88	15263	14.27 ppb	96
3) Pyridine	2.76	79	32143	13.02 ppb	93
4) N-Nitrosodimethylamine	2.71	42	29277	19.70 ppb	97
6) Indene	6.75	116	131006	33.57 ppb	98
7) Cumene	4.92	105	154681	27.73 ppb	97
9) Phenol	5.72	94	53861	19.15 ppb	93
10) Aniline	5.72	93	67038	22.09 ppb	79
11) bis(2-Chloroethyl)ether	5.82	93	69690	36.21 ppb	98
13) 2-Chlorophenol	5.90	128	75523	34.12 ppb	96
14) Decane	5.98	43	40411	26.06 ppb	94
15) 1,3-Dichlorobenzene	6.15	146	81713	32.05 ppb	99
16) 1,4-Dichlorobenzene	6.25	146	83362	31.50 ppb	93
17) Benzyl alcohol	6.56	108	43871	30.94 ppb	92
18) 1,2-Dichlorobenzene	6.60	146	80418	32.95 ppb	98
19) Acetophenone	7.07	105	120851	35.13 ppb	98
20) 2-Methylphenol	6.84	108	65999	34.10 ppb	95
21) 2,2'-oxybis(1-Chloropropan	6.85	121	27464	34.55 ppb	89
22) 3&4-Methylphenol	7.14	108	68000	32.55 ppb	99
23) n-Nitroso-di-n-propylamine	7.13	70	76532	37.67 ppb	95
24) Hexachloroethane	7.20	201	39491	31.80 ppb	89
27) Nitrobenzene	7.40	123	37817	37.83 ppb	94
28) Quinoline	9.66	129	154226	35.39 ppb	99
29) Isophorone	7.90	82	183835	37.51 ppb	99
30) 2-Nitrophenol	8.08	139	42279	34.51 ppb	68
31) 2,4-Dimethylphenol	8.25	107	94919	35.04 ppb	98
32) Benzoic acid	8.52	105	30147	16.51 ppb	94

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44580.D
Acq On : 19 Aug 2004 10:52 am
Sample : OP17702-MSD
Misc : OP17702,EF2405,810
MS Integration Params: LSCINT.P
Quant Time: Aug 19 11:20:04 2004

Vial: 5
Operator: NINAP
Inst : MSF
Multiplr: 1.00
Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) bis(2-Chloroethoxy)methane	8.44	93	97812	40.20 ppb	96
34) 2,4-Dichlorophenol	8.61	162	76653	39.69 ppb	98
36) 1,2,4-Trichlorobenzene	8.76	180	87400	35.68 ppb	96
38) alpha-Terpineol	8.93	59	69271	36.89 ppb	98
39) Naphthalene	8.87	128	239051	34.49 ppb	98
40) 4-Chloroaniline	9.11	127	80386	29.98 ppb	91
41) 2,3-Dichloroaniline	11.21	161	96376	37.78 ppb	99
42) Caprolactam	9.84	55	4771	7.17 ppb	93
43) Hexachlorobutadiene	9.32	225	75162	34.65 ppb	97
44) 4-Chloro-3-methylphenol	10.30	107	86896	39.63 ppb	95
45) 2-Methylnaphthalene	10.45	142	175693	37.68 ppb	96
46) 1-Methylnaphthalene	10.70	142	172006	36.11 ppb	97
47) Dimethylnaphthalene	11.92	156	169612	36.99 ppb	97
49) Hexachlorocyclopentadiene	10.99	237	159653	71.74 ppb	95
50) 2,4,6-Trichlorophenol	11.22	196	70976	41.23 ppb	95
51) 2,4,5-Trichlorophenol	11.32	196	73750	41.34 ppb	93
53) 2-Chloronaphthalene	11.57	162	180347	39.90 ppb	98
54) Biphenyl	11.58	154	242134	38.13 ppb	99
55) 2-Nitroaniline	11.95	65	70395	39.59 ppb	91
56) Dimethylphthalate	12.51	163	225582	41.16 ppb	99
57) Acenaphthylene	12.54	152	264679	38.78 ppb	96
58) 2,6-Dinitrotoluene	12.63	165	48532	42.88 ppb	97
59) 3-Nitroaniline	12.94	138	42503	39.49 ppb	92
60) Acenaphthene	12.98	153	184292	38.45 ppb	94
61) 2,4-Dinitrophenol	13.18	184	65173	75.40 ppb	97
62) 4-Nitrophenol	13.49	109	29040	22.36 ppb	74
63) Dibenzofuran	13.37	168	270389	40.98 ppb	97
64) 2,4-Dinitrotoluene	13.55	165	72897	43.80 ppb	93
65) 2,3,4,6-Tetrachlorophenol	13.82	232	69860	39.66 ppb	98
66) Diethylphthalate	14.19	149	268104	42.87 ppb	97
67) Fluorene	14.18	166	230562	40.17 ppb	99
68) 4-Chlorophenyl-phenylether	14.24	204	128338	39.97 ppb	98
69) 4-Nitroaniline	14.41	138	42504	39.89 ppb	91
71) 4,6-Dinitro-2-methylphenol	14.50	198	51920	44.26 ppb	93
72) Atrazine	15.98	200	59819	35.44 ppb	92
73) n-Nitrosodiphenylamine	14.56	169	164147	40.91 ppb	99
74) 1,2-Diphenylhydrazine	14.61	77	295239	43.30 ppb	97
76) 4-Bromophenyl-phenylether	15.38	248	84723	41.34 ppb	94
77) Hexachlorobenzene	15.67	284	90836	41.41 ppb	98
78) Pentachlorophenol	16.14	266	53663	38.45 ppb	92
79) Phenanthrene	16.42	178	361748	41.86 ppb	99
80) Anthracene	16.53	178	367302	43.63 ppb	99
81) Carbazole	16.99	167	328083	47.12 ppb	99
82) Di-n-butylphthalate	18.09	149	433129	46.56 ppb	99
83) Fluoranthene	19.16	202	473585	44.34 ppb	100
84) Octadecane	16.36	57	103759	40.46 ppb	[illegible]
86) Benzidine	19.55	184	31320	12.71 ppb	94
87) Pyrene	19.61	202	502050	43.96 ppb	99
89) Butylbenzylphthalate	21.09	149	202979	46.79 ppb	99

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44580.D Vial: 5
Acq On : 19 Aug 2004 10:52 am Operator: NINAP
Sample : OP17702-MSD Inst : MSF
Misc : OP17702,EF2405,810 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 19 11:20:04 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
91)	Benzo[a]anthracene	21.90	228	536120	44.45 ppb	97
92)	3,3'-Dichlorobenzidine	21.93	252	184184	47.84 ppb	92
93)	Chrysene	21.97	228	519518	44.75 ppb	97
94)	bis(2-Ethylhexyl)phthalate	22.19	149	278766	42.65 ppb	100
96)	Di-n-octylphthalate	23.18	149	436608	42.55 ppb	99
97)	Benzo[b]fluoranthene	23.66	252	508456	44.27 ppb	99
98)	Benzo[k]fluoranthene	23.70	252	583236	44.58 ppb	98
99)	Benzo[a]pyrene	24.15	252	460289	44.52 ppb	97
100)	Indeno[1,2,3-cd]pyrene	26.15	276	571088	45.58 ppb	97
101)	Dibenz(a,h)acridine	25.71	279	418225	44.41 ppb	99
102)	Dibenz[a,h]anthracene	26.18	278	488269	46.03 ppb	97
103)	7,12-Dimethylbenz(a)anthra	23.69	256	249604	39.72 ppb	97
105)	Benzo[g,h,i]perylene	26.68	276	463246	45.08 ppb	97
107)	Benzaldehyde	5.47	105	44103	28.68 ppb	97
109)	1,2,4,5-Tetrachlorobenzene	10.94	216	111479	39.03 ppb	99

08/19/04

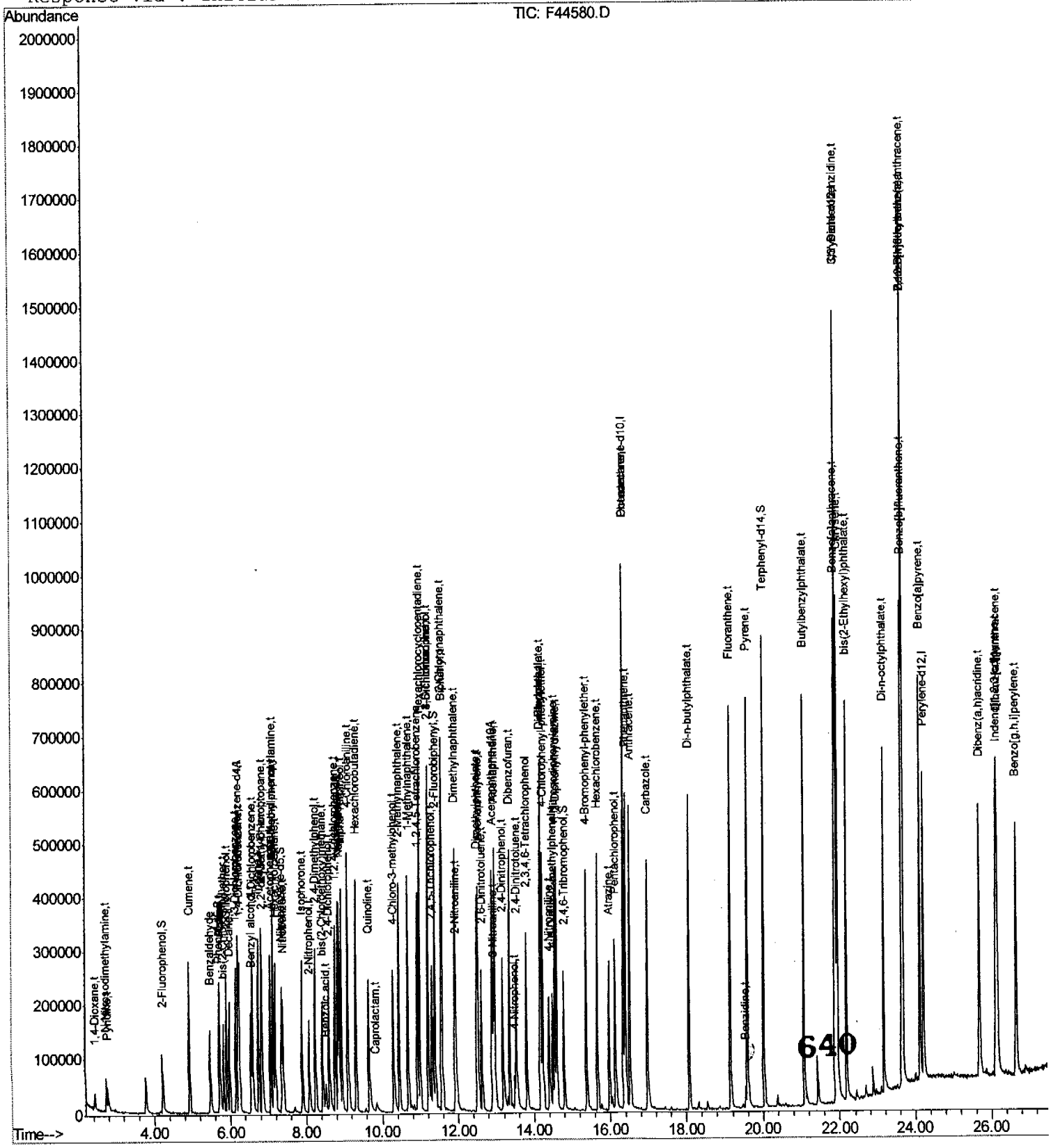
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2405\F44580.D
Acq On : 19 Aug 2004 10:52 am
Sample : OP17702-MSD
Misc : OP17702,EF2405,810
MS Integration Params: LSCINT.P
Quant Time: Aug 19 12:09 2004

Vial: 5
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44555.D Vial: 6
Acq On : 18 Aug 2004 11:35 am Operator: NINAP
Sample : OP17702-BS1 Inst : MSF
Misc : OP17702,EF2404,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:03:02 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.22	152	37791	40.00 ppb	-0.01
25) Naphthalene-d8	8.83	136	145313	40.00 ppb	-0.02
48) Acenaphthene-d10	12.91	164	91477	40.00 ppb	-0.01
70) Phenanthrene-d10	16.37	188	189177	40.00 ppb	-0.02
85) Chrysene-d12	21.93	240	256192	40.00 ppb	-0.02
95) Perylene-d12	24.23	264	168752	40.00 ppb	-0.02
106) 1,4-Dichlorobenzene-d4A	6.22	152	37791	40.00 ppb	0.00
108) Acenaphthene-d10A	12.91	164	91477	40.00 ppb	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	4.23	112	24141	22.72 ppb	0.00
Spiked Amount 50.000			Recovery = 45.44%		
8) Phenol-d5	5.71	99	22535	15.64 ppb	-0.01
Spiked Amount 50.000			Recovery = 31.28%		
26) Nitrobenzene-d5	7.37	82	68517	37.53 ppb	-0.01
Spiked Amount 50.000			Recovery = 75.06%		
52) 2-Fluorobiphenyl	11.40	172	129848	37.67 ppb	-0.01
Spiked Amount 50.000			Recovery = 75.34%		
75) 2,4,6-Tribromophenol	14.81	330	25019	44.05 ppb	-0.02
Spiked Amount 50.000			Recovery = 88.10%		
88) Terphenyl-d14	20.04	244	229675	42.73 ppb	-0.02
Spiked Amount 50.000			Recovery = 85.46%		

Target Compounds					Qvalue
2) 1,4-Dioxane	2.43	88	10009	16.13 ppb	95
3) Pyridine	2.76	79	25498	17.79 ppb	89
4) N-Nitrosodimethylamine	2.72	42	17828	20.67 ppb	84
6) Indene	6.75	116	78105	34.48 ppb	97
7) Cumene	4.93	105	90810	28.05 ppb	98
9) Phenol	5.73	94	27693	16.96 ppb	88
10) Aniline	5.72	93	46791	26.57 ppb	95
11) bis(2-Chloroethyl)ether	5.82	93	41075	36.78 ppb	97
12) Benzaldehyde	5.47	105	28163	52.10 ppb	93
13) 2-Chlorophenol	5.91	128	44076	34.30 ppb	96
14) Decane	5.99	43	24863	27.63 ppb	91
15) 1,3-Dichlorobenzene	6.15	146	48343	32.67 ppb	98
16) 1,4-Dichlorobenzene	6.25	146	50894	33.13 ppb	96
17) Benzyl alcohol	6.56	108	23883	29.02 ppb	88
18) 1,2-Dichlorobenzene	6.61	146	47135	33.28 ppb	96
19) Acetophenone	7.07	105	74508	37.32 ppb	98
20) 2-Methylphenol	6.85	108	38065	33.88 ppb	90
21) 2,2'-oxybis(1-Chloropropan	6.86	121	16462	35.68 ppb	83
22) 3&4-Methylphenol	7.14	108	36787	30.33 ppb	100
23) n-Nitroso-di-n-propylamine	7.13	70	45211	38.34 ppb	96
24) Hexachloroethane	7.20	201	23107	32.06 ppb	98
27) Nitrobenzene	7.41	123	23985	41.09 ppb	95
28) Quinoline	9.66	129	108019	42.44 ppb	99
29) Isophorone	7.90	82	109883	38.39 ppb	99
30) 2-Nitrophenol	8.08	139	23786	33.25 ppb #	61
31) 2,4-Dimethylphenol	8.25	107	57082	36.08 ppb	93

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44555.D Vial: 6
Acq On : 18 Aug 2004 11:35 am Operator: NINAP
Sample : OP17702-BS1 Inst : MSF
Misc : OP17702,EF2404,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:03:02 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
32)	Benzoic acid	8.50	105	12865	12.07	ppb		90
33)	bis(2-Chloroethoxy)methane	8.44	93	59877	42.14	ppb		98
34)	2,4-Dichlorophenol	8.61	162	44049	39.06	ppb		97
36)	1,2,4-Trichlorobenzene	8.76	180	51742	36.17	ppb		97
38)	alpha-Terpineol	8.93	59	42142	38.43	ppb		91
39)	Naphthalene	8.88	128	146789	36.27	ppb		99
40)	4-Chloroaniline	9.11	127	58197	37.17	ppb		98
41)	2,3-Dichloroaniline	11.22	161	58903	39.54	ppb		98
42)	Caprolactam	9.83	55	3124	8.04	ppb	#	62
43)	Hexachlorobutadiene	9.32	225	43641	34.45	ppb		99
44)	4-Chloro-3-methylphenol	10.31	107	51902	40.53	ppb		94
45)	2-Methylnaphthalene	10.45	142	107920	39.64	ppb		92
46)	1-Methylnaphthalene	10.69	142	107630	38.70	ppb		98
47)	Dimethylnaphthalene	11.92	156	103073	38.50	ppb		96
49)	Hexachlorocyclopentadiene	11.00	237	87259	65.09	ppb		95
50)	2,4,6-Trichlorophenol	11.22	196	40663	38.94	ppb		96
51)	2,4,5-Trichlorophenol	11.32	196	43994	40.65	ppb		91
53)	2-Chloronaphthalene	11.57	162	108982	39.75	ppb		96
54)	Biphenyl	11.58	154	144193	37.43	ppb		99
55)	2-Nitroaniline	11.95	65	43369	40.17	ppb		97
56)	Dimethylphthalate	12.50	163	134559	40.47	ppb		98
57)	Acenaphthylene	12.54	152	161778	39.07	ppb		97
58)	2,6-Dinitrotoluene	12.64	165	28613	41.67	ppb		99
59)	3-Nitroaniline	12.94	138	26833	41.09	ppb		96
60)	Acenaphthene	12.98	153	113704	39.10	ppb		91
61)	2,4-Dinitrophenol	13.19	184	36304	69.90	ppb		92
62)	4-Nitrophenol	13.52	109	13968	18.29	ppb	#	79
63)	Dibenzofuran	13.37	168	166186	41.52	ppb		98
64)	2,4-Dinitrotoluene	13.55	165	44007	43.59	ppb		93
65)	2,3,4,6-Tetrachlorophenol	13.81	232	40999	38.37	ppb		98
66)	Diethylphthalate	14.20	149	164074	43.25	ppb		98
67)	Fluorene	14.18	166	142661	40.97	ppb		97
68)	4-Chlorophenyl-phenylether	14.24	204	77487	39.78	ppb		98
69)	4-Nitroaniline	14.40	138	28719	44.43	ppb		89
71)	4,6-Dinitro-2-methylphenol	14.50	198	28076	40.07	ppb	#	71
72)	Atrazine	15.98	200	36268	35.97	ppb		99
73)	n-Nitrosodiphenylamine	14.56	169	101486	42.34	ppb		98
74)	1,2-Diphenylhydrazine	14.61	77	179105	43.98	ppb		99
76)	4-Bromophenyl-phenylether	15.38	248	50375	41.16	ppb		92
77)	Hexachlorobenzene	15.68	284	55447	42.32	ppb		98
78)	Pentachlorophenol	16.15	266	32562	39.06	ppb		89
79)	Phenanthrene	16.42	178	220039	42.63	ppb		98
80)	Anthracene	16.53	178	226056	44.95	ppb		99
81)	Carbazole	16.99	167	200295	48.16	ppb		100
82)	Di-n-butylphthalate	18.09	149	256064	46.08	ppb		99
83)	Fluoranthene	19.16	202	284337	44.57	ppb		642
84)	Octadecane	16.37	57	63391	41.38	ppb		98
86)	Benzidine	19.54	184	28871	19.08	ppb		97
87)	Pyrene	19.61	202	297185	42.39	ppb		99

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44555.D Vial: 6
Acq On : 18 Aug 2004 11:35 am Operator: NINAP
Sample : OP17702-BS1 Inst : MSF
Misc : OP17702,EF2404,1000 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:03:02 2004 Quant Results File: MF2402.RES

Quant Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration
DataAcq Meth : MF2402

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
89)	Butylbenzylphthalate	21.09	149	116213	43.65 ppb	97
91)	Benzo[a]anthracene	21.90	228	316062	42.69 ppb	99
92)	3,3'-Dichlorobenzidine	21.93	252	103504	43.80 ppb	99
93)	Chrysene	21.97	228	314760	44.17 ppb	99
94)	bis(2-Ethylhexyl)phthalate	22.19	149	165612	41.30 ppb	96
96)	Di-n-octylphthalate	23.18	149	254727	40.61 ppb	99
97)	Benzo[b]fluoranthene	23.66	252	316437	44.95 ppb	99
98)	Benzo[k]fluoranthene	23.69	252	338913	42.26 ppb	99
99)	Benzo[a]pyrene	24.15	252	283317	44.71 ppb	100
100)	Indeno[1,2,3-cd]pyrene	26.15	276	354693	46.18 ppb	99
101)	Dibenz(a,h)acridine	25.71	279	260277	45.09 ppb	99
102)	Dibenz[a,h]anthracene	26.18	278	299468	46.05 ppb	97
103)	7,12-Dimethylbenz(a)anthra	23.69	256	137232	35.90 ppb	96
105)	Benzo[g,h,i]perylene	26.69	276	285832	45.38 ppb	97
109)	1,2,4,5-Tetrachlorobenzene	10.94	216	65725	37.93 ppb	95

(#) = qualifier out of range (m) = manual integration

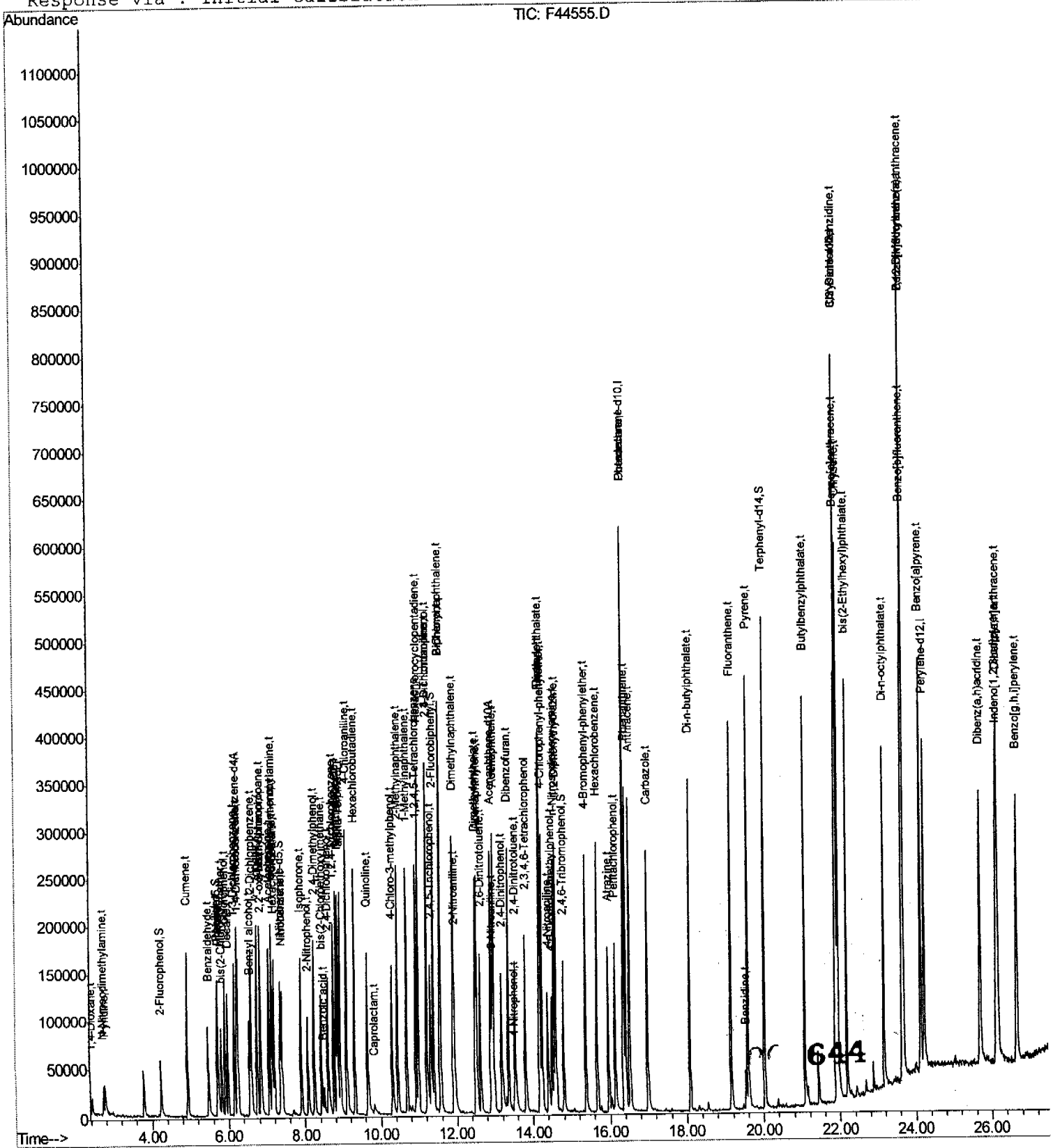
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EF2404\F44555.D
Acq On : 18 Aug 2004 11:35 am
Sample : OP17702-BS1
Misc : OP17702,EF2404,1000
MS Integration Params: LSCINT.P
Quant Time: Aug 18 12:08 2004

Vial: 6
Operator: NINAP
Inst : MSF
Multiplr: 1.00

Quant Results File: MF2402.RES

Method : C:\MSDCHEM\1\METHODS\MF2402.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Aug 18 09:25:32 2004
Response via : Initial Calibration



ACCUTEST

SEMI-VOLATILE ANALYSIS LOG

Batch ID: EF2402

Date: 8/16/04

Analyst Signature: [illegible]

Columns: GC/MS

Method: 8270/625

Initial Cal. Method: MF2402 / MF2390 / MF2403 (Benzal [illegible])

Injection Volume: 1 ul

Standard Data

Lot #	Description	Conc.
41-080A	BNA-100	41-088 → 100
B	80	80
C	50	50
D	25	25
E	10	10
F	5	5

Standard Data

Lot #	Description	Conc.
41-058	DI-TPP	25 ug/ml
A21E-70	Mec/2-TTB	
U1R65	IS	4000 ug/ml
41-080G	BNA	2 ug/ml
OP10-027	BNA 2nd source	5 ug/ml
OP10-063		

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible] Date: 8/16/04

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F4404	DI-TPP				1					OK	1:51 PM
	05	IC2402-50		(regular 8270/625)		2					OK	
	06	IC2402-100				3			✓	-	OK	
	07	IC2402-80				4			✓	-	OK	
	08	-25				5			✓	-	OK	
	09	-10				6			✓	-	OK	
	10	-5				7			✓	-	OK	
	11	-2				8			✓	-	OK	
	12	LCS2402-50				9			✓	-	OK	
	13	IC2403-50		Benzaldehyde 1,2,4,5-tetrachlorobenzene		10			✓	-	OK	
	14	-100				11			✓	-	OK	
	15	-80				12			✓	-	OK	
	16	-25				13			✓	-	OK	
	17	-10				14			✓	-	OK	
	18	-5				15			✓	-	OK	
	19	-2				16			✓	-	OK	
	20	N74708-1	17679-1	BP02	W	17			✓	✓	OK	
	21	-4				18			✓	✓	OK	
						19			✓	✓	OK	1:36 am

MTX = Matrix Designation: W for water, S for soil, O for oil. LF = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample volume/weight used and final volumes refer to extraction log.

OP17679-MB1

OK 22 OP17679-MB1

OK 645

Form: OR015-04

ACCUTEST.

SEMI-VOLATILE ANALYSIS LOG

Batch ID: EF2404 ~~EF2404~~

Date: 8/18/04

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
41-05	DFTPP	25 ng/µl
A21E70	Meth JTB	
U1883	IS	4000 ng/µl
41-080D	BNA	25 ng/µl
41-088C	↓	50 ng/µl

Columns: 2b/ms

Method 8270/625

Initial Cal. Method MF2402

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with t criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: [signature]

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	F44550	DFTPP				1					ok	8:45 am
	51	CC2402-25				2					ok	
	52	CC2402-50	1,2,4,5-tetra			3					ok	
	53	OP17687-MB1	17687-1	ABN	W	4			✓	✓	ok	
	54	OP17702-MB1	17702-1	ABN	W	5			✓	✓	ok	
	55	-BS1		↓		6			✓	✓	ok	
	56	N74914-1		ABNCL42		7			✓	✓	ok	
	57	-2		1,4 Dioxane 1,2,4,5 tetra chlorobenzene		8			✓	✓	ok	
	58	-3				9			✓	✓	ok	
	59	-4				10			✓	✓	ok	
	60	-5				11			✓	✓	ok	
	61	-6				12			✓	✓	ok	
	62	-7				13			✓	✓	ok	
	63	-8				14			✓	✓	ok	
	64	-10				15			✓	✓	ok	
	65	-11				16			✓	✓	ok	
	66	-12				17			✓	✓	ok	
	67	-13				18			✓	✓	ok	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample volume/weight used and final volumes refer to extraction log.

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ACCUTEST.

SEMI-VOLATILE ANALYSIS LOG

Batch ID: E F2404 Cont

Date: 8/18/04

Analyst Signature: [illegible]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Same as 19 ↓	175

Columns: 2b/ms

Method 8270/625

Initial Cal. Method MF2402

Injection Volume: 1 ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with t criteria of Accutest SOP EQA044.

Supervisor Signature: [illegible]

Date: [illegible]

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F44568	N74914-14	17702-1	A82242	W	19			✓	✓	ok	
	69	-15	↓	↓	↓	20			✓	✓	ok	8:05 PM
	70	OP17679-MB4	17679-4 (625)	A82 (625)	W	21		+	✓	✓	ok	
	71	-BS4	↓	↓	↓	22			✓	✓	ok	
	72	N75170-1	↓	A88927	↓	23		+	✓	✓	ok	
	73	N74826-1	17679-2		↓	24	1000/D2		✓	✓	ok	
	74	OP17679-MB2	17679-2	A82	↓	25		+	✓	✓	ok	ran after F44571
	75	N74804-3A	↓	A8522	↓	26	CF		✓	✓	ok	CF for Phenol

[illegible] 08/19/04

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample volume/weight used and final volumes refer to extraction log.

647

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Form: OP015.04

ACCUTEST.

SEMI-VOLATILE ANALYSIS LOG

Batch ID: EF2405

Date: 8/19/04

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
41-058	DFTPP	25 ug/ml
A21F70	Mech JTB	
U1883	IS	4000 ug/ml
41-080C	BNA	50 ug/ml
41-088C	↓	50 ug/ml

Columns: 2h/ms

Method 8270/625

Initial Cal. Method ~~MF2402~~ MF2402 08/1

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with t criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: [signature]

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F44576	DFTPP				1					ok	8:48am
	77	CC2402-50				2					ok	
	78	CC2402-50				3					ok	
	79	OP17702-MS	17702-1	ABN	W	4			✓	✓	ok	
	80	-MSD	↓	↓	↓	5			✓	✓	ok	
	81	OP17679-MS	17679-1	ABN	↓	6			✓	✓	ok	
	82	OP17679-MSD	↓	↓	↓	7			✓	✓	ok	
	83	OP17755-MB1	17755-1	BN	S	8		+	✓	✓	ok	
	84	N75478-2	↓	BPP2+	↓	9		+	✓	✓	ok	
	85	N74858-1	17675-2	ABTC2+	S	10		+	✓	✓	ok	
	86	-2	↓	↓	↓	11		+	✓	✓	ok	
	87	N74884-2	17693-1	ABTC2	W	12			1 ↑	1	ok	RR 1:5 for LF
	88	N74880-7	↓	BTC2+Aniline	↓	13			✓	✓	ok	
	89	N74860-2	↓	BPP2+	↓	14		+	✓	✓	ok	
	90	-5	↓	↓	↓	15		+	✓	✓	ok	
	91	OP17693-MS	↓	ABN	↓	16			3 ↑	✓	—	do not use this run use from EF240
	92	-MSD	↓	↓	↓	17		-	✓	✓	ok	
	93	N73998-1	17596-3	PAHS2	↓	18	2/DL		✓	✓	ok	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample volume/weight used and final volumes refer to extraction log.

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ACCUTEST.

SEMI-VOLATILE ANALYSIS LOG

Batch ID: EF-2405 Cont

Date: 8/19/04

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Same as pg	#179

Columns: 2b/ms

Method 8270/625

Initial Cal. Method MF2402

Injection Volume: 1 ml

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with t criteria of Accutest SOP EQA044.

Supervisor Signature: [signature] Date: [illegible]

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	F44594	N73998-2	17596-3	PAHSL	S	19	2/DL		✓	✓	ou	
	95	N74880-8	17693-1	BTCZ+Aniline	W	20			✓	✓	ou	801 PM
	96	DP17752-MS1	17752-1 (635)	ABN	W	21			✓	✓	ou	
	97	N75421-1Q		ABPP TCZ		22			✓	✓	ou	
	98	N75422-1Q				23			✓	✓	ou	

[signature] 08/20/04

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.
Sample volume/weight used and final volumes refer to extraction log.

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ACCUTEST.

LIQUID/LIQUID EXTRACTION

BATCH #	RACK#
MS 17702-1	M-10

Supervisor Review
Signature
Date 8/13/04

Separatory Funnel / **Continuous Liquid Liquid**

EXTRACT METHOD (circle one) SW846 3510C / EPA 600 series / EPA 500 series / CLP / other_____ SW846 3520C / CLP / other_____

EXTRACTION DATE: 8/13/04 ANALYST: ATH/BL METHOD: 8/10 Water Bath Temp(C) 40° Nitrogen Evap Temp(C) /

	Sample #	Sample Bottle #	Analysis Type	Sample Description	Sample Vol (ml) Oil Wt. (g)	pH Adjust (ml) >11 NaOH	pH Adjust (ml) <2 H2SO4	Final Extract Vol(ml)	Final Extract Color	Extract Cleanup GPC	Extract Cleanup H2SO4	Extract Cleanup Cu	Extract Cleanup Florisil		Comments
	MB1		MB	DI H2O	1000	4	1	1	clear						
	BS1		↓	↓	1000	4	1	1	yellow						
	~~MS~~														
	~~MSD~~														
	~~BS~~														
	~~MS~~														
	~~MSD~~														
1	N74914-1	5	MB	cloudy	980	4	1	1	clear						
2	-2	5		cloudy	980	4	1	1	↓						
3	-3	6		lt yellow	980	4	1	1	lt yellow						
4	-4	6		cloudy	1000	4	1	1	clear						
5	-5	5			980	4	1	1	clear						
6	-6	6			980	4	1	1	clear						
7	-7	5	↓	↓	980	4	1	1	clear						
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

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COMMENTS:

SURROGATE SPIKE DATA

	LOT #	CONC. (PPM)	AMT ADDED (ML)
BASE ✓	OP11-002	100	0.5
ACID ✓	OP10-090	100	0.5
PPCB			
HERB			

WITNESS SIGN: ATH

MATRIX SPIKE DATA BL

	LOT #	CONC.	AMT ADDED (ML)
BASE ✓	OP10-095	100	0.5
ACID ✓	OP10-094	100	0.5
PEST			
PCB			
HERB			
1,3,4,5 Tetrachlorobenzene ✓	OP11-021	100	0.5

WITNESS SIGN: ATH

SOLVENT DATA BL

	LOT #	BRAND	AMT X/ML
METH CHLOR	021870	Aldrich	6X60
HEXANE			
ACETONE			
ETH ETHER			

REAGENT/FILTER MEDIA

	LOT #	BRAND
SODIUM SULF	SS2424	Aldrich
FILTER PAPER	81389112	Fisher
1:1 H2SO4	3125	KK
10N NAOH	4025	KK
COPPER		
FLORISIL		