ATTACHMENT I

FIXED LABORATORY ANALYTICAL DATA PACKAGES FOR THE EMERGENCY RESPONSE WASTE AND ENVIRONMENTAL MEDIA CHARACTERIZATION SAMPLES COLLECTED BY TETRA TECH

(3,001 Pages)

NOTE: The sample data sheets are presented in the hard copy of the report. The entire data package is presented on one compact disc containing 3,001 pages which is enclosed in the hard copy of the report.

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This Data Package contains 710 total pages (including Table of Contents).

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-W-01
Lab Order: 0406B33
Collection Date: 6/22/2004 7:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-001
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3520)**		Analyst: **YH**
1,1'-Biphenyl	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4-Dimethylphenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Chloronaphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Chlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Methylnaphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Methylphenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
2-Nitrophenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
3,3´-Dichlorobenzidine	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
3-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Chloroaniline	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Methylphenol	35	10		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
4-Nitrophenol	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
Acenaphthene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Acenaphthylene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Acetophenone	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Atrazine	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Benz(a)anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Benzaldehyde	290	50		µg/L	47036	5	6/28/2004 5:23:00 PM
Benzo(a)pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Bis(2-ethylhexyl)phthalate	36	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

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Project: J&W Drums
Lab ID: 0406B33-001
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3520)**			Analyst: **YH**
Caprolactam	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Carbazole	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Chrysene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Dibenzofuran	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Diethyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Dimethyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Fluorene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Hexachlorobenzene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Hexachlorobutadiene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Hexachloroethane	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Isophorone	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Naphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Nitrobenzene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Pentachlorophenol	BRL	25		µg/L	47036	1	6/25/2004 6:13:00 PM
Phenanthrene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Phenol	65	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:13:00 PM
Surr: 2,4,6-Tribromophenol	101	47-146		%REC	47036	1	6/25/2004 6:13:00 PM
Surr: 2-Fluorobiphenyl	60.0	37-135		%REC	47036	1	6/25/2004 6:13:00 PM
Surr: 2-Fluorophenol	80.1	23.9-109		%REC	47036	1	6/25/2004 6:13:00 PM
Surr: 4-Terphenyl-d14	31.0	21.9-145		%REC	47036	1	6/25/2004 6:13:00 PM
Surr: Nitrobenzene-d5	74.6	32.3-136		%REC	47036	1	6/25/2004 6:13:00 PM
Surr: Phenol-d5	21.6	10-109		%REC	47036	1	6/25/2004 6:13:00 PM
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
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Lab ID: 0406B33-001
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,2-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
2-Butanone	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
2-Hexanone	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
4-Methyl-2-pentanone	81	10		µg/L	47082	1	6/25/2004 2:02:00 PM
Acetone	1300	200		µg/L	47082	10	6/25/2004 3:40:00 PM
Benzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Bromodichloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Bromoform	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Bromomethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Carbon disulfide	58	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Chlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Chloroethane	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
Chloroform	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Chloromethane	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Cyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Dibromochloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
Ethylbenzene	6.7	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Freon-113	BRL	10		µg/L	47082	1	6/25/2004 2:02:00 PM
Isopropylbenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
m,p-Xylene	40	10		µg/L	47082	1	6/25/2004 2:02:00 PM
Methyl acetate	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Methylcyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Methylene chloride	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
o-Xylene	6.1	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Styrene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Tetrachloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Toluene	31	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Trichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:02:00 PM

Qualifiers:

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BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-W-01
Lab Order: 0406B33
Collection Date: 6/22/2004 7:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-001
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
Vinyl chloride	BRL	2.0		µg/L	47082	1	6/25/2004 2:02:00 PM
Surr: 4-Bromofluorobenzene	113	63.1-121		%REC	47082	1	6/25/2004 2:02:00 PM
Surr: 4-Bromofluorobenzene	115	63.1-121		%REC	47082	10	6/25/2004 3:40:00 PM
Surr: Dibromofluoromethane	108	69.5-126		%REC	47082	1	6/25/2004 2:02:00 PM
Surr: Dibromofluoromethane	103	69.5-126		%REC	47082	10	6/25/2004 3:40:00 PM
Surr: Toluene-d8	111	74.2-120		%REC	47082	1	6/25/2004 2:02:00 PM
Surr: Toluene-d8	110	74.2-120		%REC	47082	10	6/25/2004 3:40:00 PM
CYANIDE		**SW9014**		**(SW9010)**			Analyst: **LW**
Cyanide, Total	BRL	0.010		mg/L	47072	1	6/24/2004 2:30:00 PM
LABORATORY HYDROGEN ION (PH)		**SW9040B**					Analyst: **DS**
pH	6.87	0.01		pH Units		1	6/23/2004 3:18:00 PM

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	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-02
Lab Order: 0406B33
Collection Date: 6/22/2004 8:11:00 PM
Project: J&W Drums
Lab ID: 0406B33-002
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3520)**		Analyst: **YH**
1,1'-Biphenyl	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4,5-Trichlorophenol	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4,6-Trichlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4-Dichlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4-Dimethylphenol	35	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4-Dinitrophenol	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
2,4-Dinitrotoluene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2,6-Dinitrotoluene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2-Chloronaphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2-Chlorophenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2-Methylnaphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
2-Methylphenol	2400	500		µg/L	47036	50	6/26/2004 3:24:00 PM
2-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
2-Nitrophenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
3,3´-Dichlorobenzidine	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
3-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Bromophenyl phenyl ether	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Chloro-3-methylphenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Chloroaniline	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Chlorophenyl phenyl ether	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Methylphenol	2500	500		µg/L	47036	50	6/26/2004 3:24:00 PM
4-Nitroaniline	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
4-Nitrophenol	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
Acenaphthene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Acenaphthylene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Acetophenone	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Atrazine	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benz(a)anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benzaldehyde	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benzo(a)pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benzo(b)fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benzo(g,h,i)perylene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Benzo(k)fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Bis(2-chloroethoxy)methane	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Bis(2-chloroethyl)ether	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Bis(2-ethylhexyl)phthalate	29	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Butyl benzyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM

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Lab Order: 0406B33
Collection Date: 6/22/2004 8:11:00 PM
Project: J&W Drums
Lab ID: 0406B33-002
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3520)**		Analyst: **YH**
Caprolactam	83	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Carbazole	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Chrysene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Dibenz(a,h)anthracene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Dibenzofuran	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Diethyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Dimethyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Di-n-butyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Di-n-octyl phthalate	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Fluoranthene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Fluorene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Hexachlorobenzene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Hexachlorobutadiene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Hexachlorocyclopentadiene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Hexachloroethane	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Isophorone	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Naphthalene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Nitrobenzene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
N-Nitrosodi-n-propylamine	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
N-Nitrosodiphenylamine	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Pentachlorophenol	BRL	25		µg/L	47036	1	6/25/2004 6:50:00 PM
Phenanthrene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Phenol	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Pyrene	BRL	10		µg/L	47036	1	6/25/2004 6:50:00 PM
Surr: 2,4,6-Tribromophenol	95.2	47-146		%REC	47036	1	6/25/2004 6:50:00 PM
Surr: 2-Fluorobiphenyl	80.0	37-135		%REC	47036	1	6/25/2004 6:50:00 PM
Surr: 2-Fluorophenol	82.2	23.9-109		%REC	47036	1	6/25/2004 6:50:00 PM
Surr: 4-Terphenyl-d14	33.2	21.9-145		%REC	47036	1	6/25/2004 6:50:00 PM
Surr: Nitrobenzene-d5	87.5	32.3-136		%REC	47036	1	6/25/2004 6:50:00 PM
Surr: Phenol-d5	76.8	10-109		%REC	47036	1	6/25/2004 6:50:00 PM
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-02
Lab Order: 0406B33
Collection Date: 6/22/2004 8:11:00 PM
Project: J&W Drums
Lab ID: 0406B33-002
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,2-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
2-Butanone	300	10		µg/L	47082	1	6/25/2004 2:26:00 PM
2-Hexanone	BRL	10		µg/L	47082	1	6/25/2004 2:26:00 PM
4-Methyl-2-pentanone	27	10		µg/L	47082	1	6/25/2004 2:26:00 PM
Acetone	490	20	E	µg/L	47082	1	6/25/2004 2:26:00 PM
Benzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Bromodichloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Bromoform	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Bromomethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Carbon disulfide	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Chlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Chloroethane	BRL	10		µg/L	47082	1	6/25/2004 2:26:00 PM
Chloroform	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Chloromethane	BRL	10		µg/L	47082	1	6/25/2004 2:26:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Cyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Dibromochloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	47082	1	6/25/2004 2:26:00 PM
Ethylbenzene	330	5.0	E	µg/L	47082	1	6/25/2004 2:26:00 PM
Freon-113	BRL	10		µg/L	47082	1	6/25/2004 2:26:00 PM
Isopropylbenzene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
m,p-Xylene	910	10	E	µg/L	47082	1	6/25/2004 2:26:00 PM
Methyl acetate	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Methylcyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Methylene chloride	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
o-Xylene	230	5.0	E	µg/L	47082	1	6/25/2004 2:26:00 PM
Styrene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Tetrachloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Toluene	190000	25000		µg/L	47082	5000	6/25/2004 4:22:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Trichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	47082	1	6/25/2004 2:26:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406B33
Project: J&W Drums
Lab ID: 0406B33-002

Client Sample ID: JW-WA-02
Collection Date: 6/22/2004 8:11:00 PM
Matrix: AQUEOUS

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
Vinyl chloride	BRL	2.0		µg/L	47082	1	6/25/2004 2:26:00 PM
Surr: 4-Bromofluorobenzene	129	63.1-121	S	%REC	47082	1	6/25/2004 2:26:00 PM
Surr: 4-Bromofluorobenzene	98.2	63.1-121		%REC	47082	5000	6/25/2004 4:22:00 PM
Surr: Dibromofluoromethane	116	69.5-126		%REC	47082	1	6/25/2004 2:26:00 PM
Surr: Dibromofluoromethane	101	69.5-126		%REC	47082	5000	6/25/2004 4:22:00 PM
Surr: Toluene-d8	113	74.2-120		%REC	47082	1	6/25/2004 2:26:00 PM
Surr: Toluene-d8	108	74.2-120		%REC	47082	5000	6/25/2004 4:22:00 PM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **VS**
Cyanide,Reactive	BRL	0.769		mg/Kg	47066	1	6/23/2004 5:40:00 PM
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **VS**
Sulfide, Reactive	BRL	20.0		mg/Kg	47076	1	6/23/2004 4:45:00 PM
LABORATORY HYDROGEN ION (PH)		**SW9040B**					Analyst: **DS**
pH	6.33	0.01		pH Units		1	6/23/2004 3:22:00 PM

Qualifiers:

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BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-03
Lab Order: 0406B33
Collection Date: 6/22/2004 8:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	1400	39		mg/Kg	47050	1	6/25/2004 10:27:00 A
Antimony	BRL	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Arsenic	BRL	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Barium	22	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Beryllium	BRL	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Cadmium	BRL	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Calcium	2700	39		mg/Kg	47050	1	6/25/2004 10:27:00 A
Chromium	10	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Cobalt	BRL	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Copper	13	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Iron	870	39		mg/Kg	47050	1	6/25/2004 10:27:00 A
Lead	28	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Magnesium	360	39		mg/Kg	47050	1	6/25/2004 10:27:00 A
Manganese	97	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Nickel	12	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Potassium	230	78		mg/Kg	47050	1	6/25/2004 10:27:00 A
Selenium	BRL	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Silver	BRL	1.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Sodium	360	78		mg/Kg	47050	1	6/25/2004 10:27:00 A
Thallium	BRL	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Vanadium	7.8	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
Zinc	84	3.9		mg/Kg	47050	1	6/25/2004 10:27:00 A
TOTAL MERCURY - WASTE		**SW7471A**			**(SW7471A)**		Analyst: **BB**
Mercury	0.0213	0.00990		mg/Kg	47067	1	6/24/2004 1:27:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
1,1'-Biphenyl	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4,5-Trichlorophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4,6-Trichlorophenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4-Dichlorophenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4-Dimethylphenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4-Dinitrophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,4-Dinitrotoluene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2,6-Dinitrotoluene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Chloronaphthalene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Chlorophenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Methylnaphthalene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Methylphenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
2-Nitrophenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-03
Lab Order: 0406B33
Collection Date: 6/22/2004 8:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
3,3´-Dichlorobenzidine	BRL	670		mg/Kg	47086	1	6/25/2004 10:46:00 P
3-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
4,6-Dinitro-2-methylphenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Bromophenyl phenyl ether	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Chloro-3-methylphenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Chloroaniline	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Chlorophenyl phenyl ether	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Methylphenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
4-Nitrophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
Acenaphthene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Acenaphthylene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Acetophenone	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Anthracene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Atrazine	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benz(a)anthracene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benzaldehyde	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benzo(a)pyrene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benzo(b)fluoranthene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benzo(g,h,i)perylene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Benzo(k)fluoranthene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Bis(2-chloroethoxy)methane	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Bis(2-chloroethyl)ether	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Bis(2-chloroisopropyl)ether	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Bis(2-ethylhexyl)phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Butyl benzyl phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Caprolactam	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Carbazole	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Chrysene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Dibenz(a,h)anthracene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Dibenzofuran	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Diethyl phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Dimethyl phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Di-n-butyl phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Di-n-octyl phthalate	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Fluoranthene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Fluorene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Hexachlorobenzene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Hexachlorobutadiene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Hexachlorocyclopentadiene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-03
Lab Order: 0406B33
Collection Date: 6/22/2004 8:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
Hexachloroethane	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Indeno(1,2,3-cd)pyrene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Isophorone	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Naphthalene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Nitrobenzene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
N-Nitrosodi-n-propylamine	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
N-Nitrosodiphenylamine	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Pentachlorophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:46:00 P
Phenanthrene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Phenol	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Pyrene	BRL	100		mg/Kg	47086	1	6/25/2004 10:46:00 P
Surr: 2,4,6-Tribromophenol	78.1	35.5-131		%REC	47086	1	6/25/2004 10:46:00 P
Surr: 2-Fluorobiphenyl	73.9	12.9-120		%REC	47086	1	6/25/2004 10:46:00 P
Surr: 2-Fluorophenol	60.8	10-119		%REC	47086	1	6/25/2004 10:46:00 P
Surr: 4-Terphenyl-d14	73.8	41.5-128		%REC	47086	1	6/25/2004 10:46:00 P
Surr: Nitrobenzene-d5	83.0	10-121		%REC	47086	1	6/25/2004 10:46:00 P
Surr: Phenol-d5	62.1	12.6-121		%REC	47086	1	6/25/2004 10:46:00 P
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
1,1,1-Trichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,1,2,2-Tetrachloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,1,2-Trichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,1-Dichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,1-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2,4-Trichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2-Dibromo-3-chloropropane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2-Dibromoethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2-Dichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,2-Dichloropropane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,3-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
1,4-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
2-Butanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
2-Hexanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
4-Methyl-2-pentanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Acetone	BRL	10000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Benzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Bromodichloromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Bromoform	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Bromomethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Carbon disulfide	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-03
Lab Order: 0406B33
Collection Date: 6/22/2004 8:45:00 PM
Project: J&W Drums
Lab ID: 0406B33-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
Carbon tetrachloride	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Chlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Chloroethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Chloroform	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Chloromethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
cis-1,2-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
cis-1,3-Dichloropropene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Cyclohexane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Dibromochloromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Dichlorodifluoromethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Ethylbenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Freon-113	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Isopropylbenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
m,p-Xylene	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Methyl acetate	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Methyl tert-butyl ether	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Methylcyclohexane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Methylene chloride	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
o-Xylene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Styrene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Tetrachloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Toluene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
trans-1,2-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
trans-1,3-Dichloropropene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Trichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Trichlorofluoromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:22:00 P
Vinyl chloride	BRL	5000		µg/Kg	47074	50	6/25/2004 12:22:00 P
Surr: 4-Bromofluorobenzene	100	65.3-133		%REC	47074	50	6/25/2004 12:22:00 P
Surr: Dibromofluoromethane	106	80.1-121		%REC	47074	50	6/25/2004 12:22:00 P
Surr: Toluene-d8	101	67.8-145		%REC	47074	50	6/25/2004 12:22:00 P
CYANIDE, TOTAL		**SW9014**		**(SW9010)**			Analyst: **LW**
Cyanide, Total	BRL	0.952		mg/Kg	47071	1	6/24/2004 2:30:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 2:02 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204144.D
Name: 0406B33-001A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	235.5	ug/L	1565250	ISTD01	5.55	332389	50.0
Propene	1.32	13.7	ug/L	91313	ISTD01	5.55	332389	50.0
Silane, fluorotrimethyl-	1.67	28.3	ug/L	188381	ISTD01	5.55	332389	50.0
Methanethiol	1.76	9.3	ug/L	62024	ISTD01	5.55	332389	50.0
1-Propene, 3-chloro-	2.88	12.3	ug/L	81746	ISTD01	5.55	332389	50.0
Silanol, trimethyl-	4.70	37.1	ug/L	246692	ISTD01	5.55	332389	50.0
2-Hexanol	9.03	10.4	ug/L	80725	ISTD03	10.29	386752	50.0
2-Heptanone	11.02	7.7	ug/L	59338	ISTD03	10.29	386752	50.0
Benzaldehyde	12.02	13.2	ug/L	103818	ISTD04	12.26	392984	50.0
1-Hexanol, 2-ethyl-	12.43	8.5	ug/L	66471	ISTD04	12.26	392984	50.0

V1204144.D VW052704.M Thu Jul 15 15:06:23 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 6:13 pm
Data File: C:\HPCHEM\1\DATA\R40625\R4062516.D
Name: 0406B33-001B 47036
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title: MS-10 BNA CURVES
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydroxy-4-methyl	3.18	261.8	ng	8889360	ISTD01	4.85	1358330	40.0
Benzene, 1,3-dimethyl-	3.48	27.0	ng	917050	ISTD01	4.85	1358330	40.0
Hexylene Glycol	4.13	59.1	ng	2005390	ISTD01	4.85	1358330	40.0
2-Propanol, 1-(2-methylethoxy)	4.73	32.5	ng	1102870	ISTD01	4.85	1358330	40.0
1-Hexanol, 2-ethyl-	4.97	38.2	ng	1298250	ISTD01	4.85	1358330	40.0
2-Propanol, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis	5.31	38.5	ng	1307170	ISTD01	4.85	1358330	40.0
2(3H)-Benzofuranone, 3-methyl-	8.10	132.0	ng	2844340	ISTD03	9.04	861858	40.0
Cyclododecane	8.74	80.1	ng	1725360	ISTD03	9.04	861858	40.0
3-Ethoxy-4-hydroxybenzyl alcohol	9.22	389.7	ng	8396430	ISTD03	9.04	861858	40.0
1-Dodecanamine, N,N-dimethyl-	9.33	68.0	ng	1465290	ISTD03	9.04	861858	40.0
1H-Benzotriazole, 5-methyl-	9.61	360.0	ng	7756800	ISTD03	9.04	861858	40.0
Benzeneacetic acid, .alpha.,4-dihydroxy	9.73	83.0	ng	1788870	ISTD03	9.04	861858	40.0
1H-Benzotriazole, 5-methyl-	9.99	284.1	ng	6120520	ISTD03	9.04	861858	40.0
1,1-Dimethylamino-1-butene	11.07	163.6	ng	4062620	ISTD04	11.89	993258	40.0
Formamide, N-methyl-N-phenyl-	11.49	61.4	ng	1523690	ISTD04	11.89	993258	40.0
2,4,6-Triallyloxy-1,3,5-triazine	11.78	1236.8	ng	30712500	ISTD04	11.89	993258	40.0
2-Butyl methylphosphonofluoridate	11.96	245.2	ng	6088490	ISTD04	11.89	993258	40.0
Sarin	12.06	44.4	ng	1103050	ISTD04	11.89	993258	40.0
1-Methyl-1-ethyl-1-silacyclobutane	12.34	54.2	ng	1345510	ISTD04	11.89	993258	40.0
Tetradecyltrimethylammonium bromide	12.79	45.7	ng	1135670	ISTD04	11.89	993258	40.0
Dodecane, 1-(methoxymethoxy)-	13.52	35.3	ng	875836	ISTD04	11.89	993258	40.0
Ethanol, 2-[2-(ethenyloxy)ethoxy]-	15.73	32.7	ng	958470	ISTD05	17.54	1170910	40.0
Glycerol tricaprylate	22.18	210.6	ng	7673500	ISTD06	22.06	1457520	40.0
Glycerol tricaprylate	24.53	295.7	ng	10775300	ISTD06	22.06	1457520	40.0
2,5-Bis(1-naphthamido)terephthalic	26.38	112.8	ng	4108880	ISTD06	22.06	1457520	40.0

R4062516.D B052404.M Tue Jun 29 09:15:13 2004

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 2:26 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204145.D
Name: 0406B33-002A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	8.80	2137.4	ug/L	353639000	ISTD03	10.29	8272490	50.0
2-Propenoic acid, 2-methyl-, butyl ester	11.79	50.0	ug/L	23284900	ISTD04	12.26	23284900	50.0

V1204145.D VW052704.M Thu Jul 15 15:07:15 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 6:50 pm
Data File: C:\HPCHEM\1\DATA\R40625\R4062517.D
Name: 0406B33-002B 47036
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title: MS-10 BNA CURVES
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	2.13	2715.9	ng	87386300	ISTD01	4.85	1287030	40.0
Ethylbenzene	3.40	166.5	ng	5356700	ISTD01	4.85	1287030	40.0
p-Xylene	3.50	680.0	ng	21878200	ISTD01	4.85	1287030	40.0
Benzene, 1,2-dimethyl-	3.76	93.3	ng	3001150	ISTD01	4.85	1287030	40.0
2-Propenoic acid, 2-methyl-, butyl	4.56	838.5	ng	26980800	ISTD01	4.85	1287030	40.0
Propane, 1-(1,1-dimethylethoxy)-2-methyl-	4.99	34.9	ng	1123980	ISTD01	4.85	1287030	40.0
Benzyl Alcohol	5.13	229.3	ng	7376320	ISTD01	4.85	1287030	40.0
Furan, 2-ethyl-	5.62	8.6	ng	1053430	ISTD02	6.31	4881220	40.0
Cyclohexanone, 4-hydroxy-4-methyl-	5.84	15.6	ng	1898070	ISTD02	6.31	4881220	40.0
Cycloheptanone, 2-ethyl-	15.84	29.3	ng	944404	ISTD05	17.52	1291460	40.0

R4062517.D B052404.M Tue Jun 29 09:17:31 2004

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 12:22 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204140.D
Name: 0406B33-003A *50 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	29.3	ug/L	206167	ISTD01	5.55	352085	50.0
Diethylpropion Hydrochloride	1.78	22.5	ug/L	158147	ISTD01	5.55	352085	50.0
Undecane	12.61	19.7	ug/L	153687	ISTD04	12.26	389236	50.0
Cyclohexane, 1-ethyl-2-methyl-, cis	12.75	9.5	ug/L	73600	ISTD04	12.26	389236	50.0

V1204140.D VW052704.M Thu Jul 15 15:02:18 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 10:46 pm
Data File: D:\MSDCHEM\DATA\S40625\S062521.D
Name: 0406B33-003B 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	41.4	ng	354938	1	4.19	343337	40.0
Cyclohexane, 1-ethyl-2-propyl	4.45	58.1	ng	498638	1	4.19	343337	40.0
Bicyclo[2.2.1]heptane, 2-methyl-, exo-	4.54	80.9	ng	694597	1	4.19	343337	40.0
Cyclohexane, 1-ethyl-2-propyl	4.58	66.5	ng	570894	1	4.19	343337	40.0
Decane, 3-methyl	4.62	74.8	ng	642179	1	4.19	343337	40.0
1-Methyl-4-(1-methylethyl) -cychlohexane	4.69	56.5	ng	485083	1	4.19	343337	40.0
Undecane	4.84	1060.7	ng	9104020	1	4.19	343337	40.0
Dodecane	5.58	102.8	ng	21489100	2	5.52	8358640	40.0
Undecane, 2,6-dimethyl	5.68	41.1	ng	8586810	2	5.52	8358640	40.0
Cyclopentane,1-methyl-3-(1-meth...	5.91	23.0	ng	4797320	2	5.52	8358640	40.0
Hexane, 2,3,4-trimethyl-	5.97	39.4	ng	8223750	2	5.52	8358640	40.0
Dodecane, 4-methyl-	6.01	23.1	ng	4819300	2	5.52	8358640	40.0
Undecane, 2,10 -dimethyl-	6.05	31.0	ng	6477870	2	5.52	8358640	40.0
Tridecane, 7-methyl-	6.12	73.4	ng	15339200	2	5.52	8358640	40.0
Tridecane	6.34	120.6	ng	25208800	2	5.52	8358640	40.0
Octadecane, 1-chloro-	6.71	27.5	ng	5746870	2	5.52	8358640	40.0
Tridecane, 4-methyl-	6.77	121.6	ng	1977010	3	7.97	650332	40.0
Tridecane, 2-methyl-	6.81	152.6	ng	2481220	3	7.97	650332	40.0
Tridecane, 3-methyl-	6.87	131.1	ng	2130780	3	7.97	650332	40.0
Cyclohexane, 1,1' -methylenebis-	7.03	35.0	ng	569088	3	7.97	650332	40.0
Tetradecane	7.12	578.1	ng	9399140	3	7.97	650332	40.0
1-Undecene, 4-methyl-	7.18	29.3	ng	476908	3	7.97	650332	40.0
9-Hexadecenoic acid	13.55	40.3	ng	672663	5	16.14	668428	40.0
Oleic acid, eicosyl ester	22.38	49.1	ng	797602	6	19.53	650292	40.0
9-Octadecenoic ac...	25.25	25.7	ng	417352	6	19.53	650292	40.0

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Tetra Tech EM Work Order Number _____

Checklist completed by Ahmet Can 6/23/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 4.5°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by AOG

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION 4 TAT

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL SE
COLLEGE STATION
ATHENS, GEORGIA 3

TO: AES, INC.

0406833

PROJ. NO. | PROJECT NAME: T+W DRUMS

SAMPLERS (Signature): ALAN WHITT, NEIL DANIELL, ANN FELKER, JOHN SCHENDER

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS
JW-W-01	6/22/04	1945		X	WATER POURING OUT OF CRACK IN WALL	7
JW-WA-02	6/22/04	2011		X	DRUM LABELLED "PARALOID B-66T 51% SOLUTION	7
JW-WA-03	6/22/04	2045		X	SOLIDS ON SIDEWALK BENEATH LEAKING CRACK IN WALL	3

Circle/add Parameters Desired ( ) - Indicates Separate Containers

Water/Wastewater | Soil/Sed/Sldg | Waste | Misc

- (Gal G (ext org. Pest) (EP) (herb)
- 40 ml vial (VOA)
- 250 ml G (TOX)
- P (Bod, TSS, Cl, Fl, So4, etc)
- ILG (pheno) (O&G) (pest)
- ILP (met, hard) (Toc, COD, N, P, etc)
- 0.5-ILP (S")
- ½ gal or ILP (CN)
- 8 oz G (ext org. pest, herb) (met) (EP)
- 4 oz G (VOA)
- P or G (CN, S", N, P, COD, etc)
- 8 oz G (ext org. pest, herb, VOA)
- 8 oz G (EP) (met, CN, S", FP) (FP, BTU)
- VOCs (8260B) (PRES: HCl)
- SVOCs (8270C)
- pH
- CYANIDE (PRES: NaOH)
- REACTIVITY (REACTIVE CHMICALS)
- TOTAL METALS

STA. NO.	VOCs	SVOCs	pH	CYANIDE	REACTIVITY	TOTAL METALS	REMARKS
JW-W-01	X	X	X	X			POSSIBLE BIOLOG
JW-WA-02	X	X	X		X		POSSIBLE HIGH
JW-WA-03	X	X		X		X	POSSIBLE BIOL
	↑						(NOT PRESERVED

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6-23 11:15 AM				6/23/04 11:15 [signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)

Remarks
- 48-HOUR TURN ON PRELI
- SEND (E-MAIL) RESULTS TO JO ITEMI.COM (CALL HIM AT 67

22

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by laboratory. Yellow copy retained by samplers, Blue copy extra copy as needed.

T4- 8026

CLIENT: Tetra Tech EM Inc.
Project: J&W Drums
Lab Order: 0406B33

CASE NARRATIVE

Per John Schendel 6/23/04, analyze samples for TAL Metals plus Hg.

Metals Analysis by Method 7471:

Matrix spike duplicate recovery for mercury on sample 0406B33-003B was outside control limits biased low. LCS recovery was within control limits indicating possible matrix interference.

RPD value for Mercury on sample 0406B33-003B was outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits.

Metals Analysis by Method 6010B:

Matrix spike recovery for Cu, Mn, Zn on sample 0406B33-003B was outside control. LCS recovery was within control limits indicating possible matrix interference. Matrix spike recovery for Al, Ca, Fe, Mg, K, on sample 0406B33-003B was outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits. RPD value for Ca, Cr, Cu, Fe, Mg, Mn, Ni, K on sample 0406B33-003B was outside advisory control limits due to suspected non-homogeneous sample matrix.

Volatile Organic Compounds Analysis by Method 8260B:

VOC values for sample 0406B33-002A are "E" qualified indicating an estimated value over linear calibration range. Sample will be diluted and reanalyzed for Toluene which will require a much higher dilution that will over dilute other compounds.

Percent recovery for the surrogate spiking compound 4-Bromofluorobenzene on sample 0406B33-002A was outside control limits biased high due to suspected matrix interference. All other surrogate recoveries were within control limits.

Semi Volatile Organics Analysis by Method 8270C:

Matrix spike recovery for acenaphthene and pyrene on sample 0406B07-001C were outside control limits biased low. LCS recovery was within control limits indicating possible matrix interference.

Percent recovery for the surrogate spiking compound phenol-d5 on sample 0406B07-001CMS was outside control limits biased low due to suspected matrix interference. All other surrogate recoveries were within control limits.

RPD values for acenphthene, pyrene and phenol on sample 0406B07-001CMSD were outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits.

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 2:46:39 P**
Prep End Date: **6/25/2004 2:45:00 P**

Prep Batch **47082** Prep Code: **5030** Technician: **Toi Patin**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-001A	Aqueous		5	0	0	5	1.000	6/24/2004	6/25/2004
0406B33-002A	Aqueous		5	0	0	5	1.000	6/24/2004	6/25/2004
0406B78-001A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 1.96 days.									
0406B78-002A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 2.08 days.									
0406B78-003A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 1.03 days.									
0406C07-001A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-001AMS	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-001AMSD	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-002A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-003A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-004A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C14-006A	Waste Water		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C14-007A	Waste Water		5	0	0	5	1.000	6/24/2004	6/25/2004
LCS-47082			5	0	0	5	1.000	6/24/2004	6/25/2004
MB-47082			5	0	0	5	1.000	6/24/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **0406C07-001AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.45	5.0	50	0	86.9	51.1	151	0	0		
Benzene	46.29	5.0	50	0	92.6	68.9	131	0	0		
Chlorobenzene	49.62	5.0	50	0	99.2	75.4	123	0	0		
Toluene	50.6	5.0	50	0	101	74.8	128	0	0		
Trichloroethene	51.8	5.0	50	0	104	66.3	145	0	0		
Surr: 4-Bromofluorobenzene	54.14	0	50	0	108	63.1	121	0	0		
Surr: Dibromofluoromethane	52.81	0	50	0	106	69.5	126	0	0		
Surr: Toluene-d8	49.35	0	50	0	98.7	74.2	120	0	0		

Sample ID: **0406C07-001AMSD**	SampType: **MSD**	TestCode: **8260_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.13	5.0	50	0	86.3	51.1	151	43.45	0.739	14.3	
Benzene	45.24	5.0	50	0	90.5	68.9	131	46.29	2.29	10	
Chlorobenzene	50.26	5.0	50	0	101	75.4	123	49.62	1.28	10	
Toluene	48.42	5.0	50	0	96.8	74.8	128	50.6	4.40	10	
Trichloroethene	49.92	5.0	50	0	99.8	66.3	145	51.8	3.70	11	
Surr: 4-Bromofluorobenzene	54.18	0	50	0	108	63.1	121	54.14	0	0	
Surr: Dibromofluoromethane	51.59	0	50	0	103	69.5	126	52.81	0	0	
Surr: Toluene-d8	48.48	0	50	0	97	74.2	120	49.35	0	0	

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,1-Dichloropropene	BRL	5.0									
1,2,3-Trichlorobenzene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,3-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	BRL	10									
4-Chlorotoluene	BRL	5.0									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromobenzene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
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ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Iodomethane	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
n-Butylbenzene	BRL	5.0									
n-Propylbenzene	BRL	5.0									
o-Xylene	BRL	5.0									
sec-Butylbenzene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	BRL	5.0									
tert-Butylbenzene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	51.87	5.0	50	0	104	63.1	121	0	0		
Surr: Dibromofluoromethane	54.34	5.0	50	0	109	69.5	126	0	0		
Surr: Toluene-d8	49.94	5.0	50	0	99.9	74.2	120	0	0		

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,1-Dichloropropene	BRL	5.0									
1,2,3-Trichlorobenzene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,3-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	BRL	10									
4-Chlorotoluene	BRL	5.0									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromobenzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Iodomethane	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
n-Butylbenzene	BRL	5.0									
n-Propylbenzene	BRL	5.0									
o-Xylene	BRL	5.0									
sec-Butylbenzene	BRL	5.0									
Styrene	BRL	5.0									
tert-Butylbenzene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.69	5.0	50	0	107	63.1	121	0	0		
Surr: Dibromofluoromethane	53.74	5.0	50	0	107	69.5	126	0	0		
Surr: Toluene-d8	52.3	5.0	50	0	105	74.2	120	0	0		

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,1-Dichloropropene	BRL	5.0									
1,2,3-Trichlorobenzene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2,4-Trimethylbenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3,5-Trimethylbenzene	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2,2-Dichloropropane	BRL	5.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	5.0									
2-Hexanone	BRL	10									
4-Chlorotoluene	BRL	5.0									
4-Isopropyltoluene	BRL	5.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromobenzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Iodomethane	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
n-Butylbenzene	BRL	5.0									
n-Propylbenzene	BRL	5.0									
o-Xylene	BRL	5.0									
sec-Butylbenzene	BRL	5.0									
Styrene	BRL	5.0									
tert-Butylbenzene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.2	5.0	50	0	106	63.1	121	0	0		
Surr: Dibromofluoromethane	54.18	5.0	50	0	108	69.5	126	0	0		
Surr: Toluene-d8	51.11	5.0	50	0	102	74.2	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **LCS-47082**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.26	5.0	50	0	84.5	58.1	142	0	0		
Benzene	47.46	5.0	50	0	94.9	74	127	0	0		
Chlorobenzene	50.81	5.0	50	0	102	79.8	118	0	0		
Toluene	51.09	5.0	50	0	102	78.5	124	0	0		
Trichloroethene	54.43	5.0	50	0	109	74.2	138	0	0		
Surr: 4-Bromofluorobenzene	51.7	5.0	50	0	103	63.1	121	0	0		
Surr: Dibromofluoromethane	52.34	5.0	50	0	105	69.5	126	0	0		
Surr: Toluene-d8	50.95	5.0	50	0	102	74.2	120	0	0		

Sample ID: **LCS-47082**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.22	5.0	50	0	86.4	58.1	142	0	0		
Benzene	45.73	5.0	50	0	91.5	74	127	0	0		
Chlorobenzene	46.82	5.0	50	0	93.6	79.8	118	0	0		
Toluene	48.77	5.0	50	0	97.5	78.5	124	0	0		
Trichloroethene	51.92	5.0	50	0	104	74.2	138	0	0		
Surr: 4-Bromofluorobenzene	53.14	5.0	50	0	106	63.1	121	0	0		
Surr: Dibromofluoromethane	51.97	5.0	50	0	104	69.5	126	0	0		
Surr: Toluene-d8	50.19	5.0	50	0	100	74.2	120	0	0		

Qualifiers:

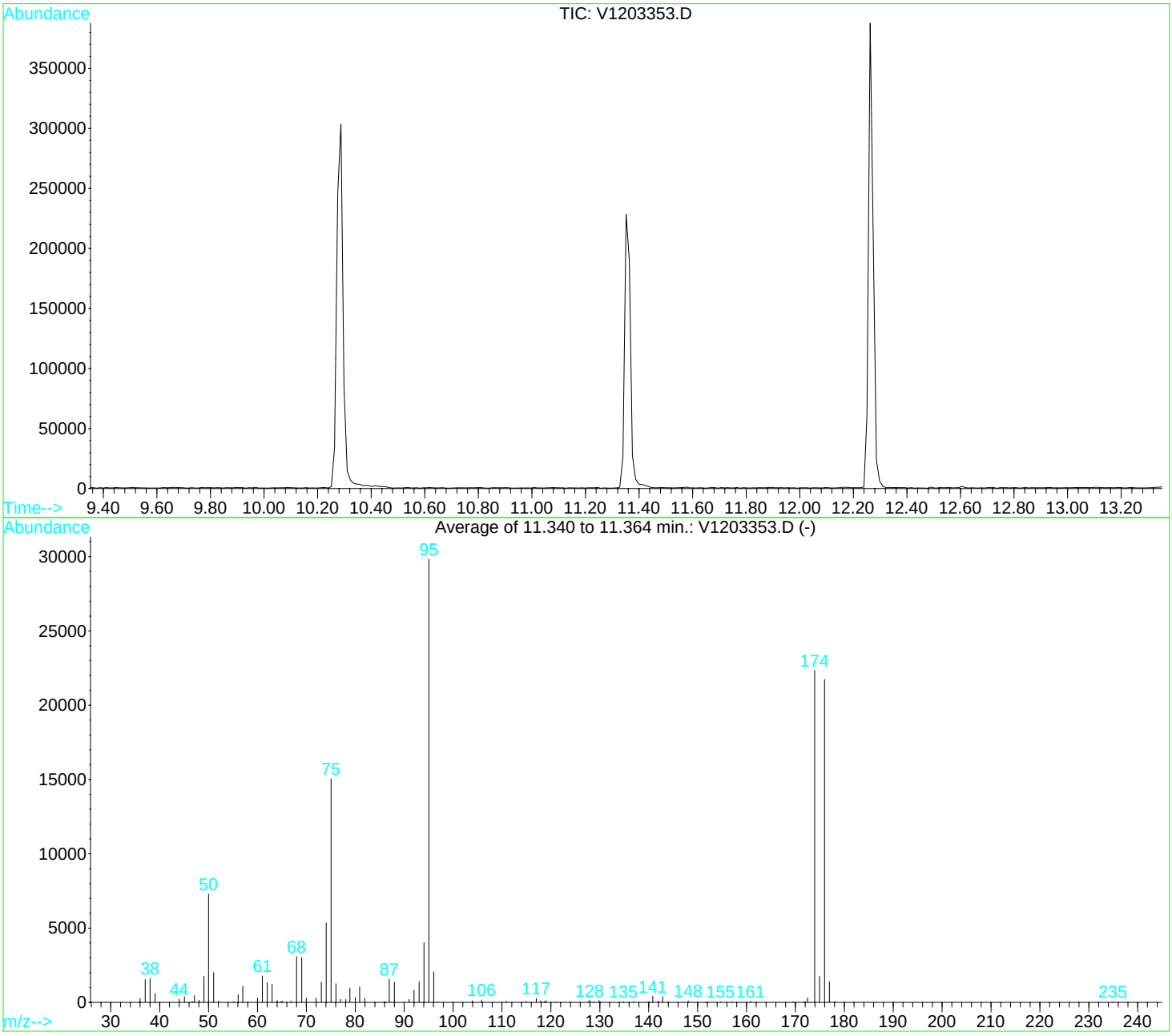
B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: C:\HPCHEM\1\DATA\052704

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1203351.D	1.	BLANK	BLANK	27 May 2004 08:31
2	2	V1203352.D	1.	BLANK	BLANK	27 May 2004 08:56
3	3	V1203353.D	1.	BFB	TUNE BFB_4	27 May 2004 09:21
4	4	V1203354.D	1.	8260 ICAL 002 W	ICAL 8260B_W_CLP	27 May 2004 09:52
5	5	V1203355.D	1.	8260 ICAL 005 W	ICAL 8260B_W_CLP	27 May 2004 10:43
6	6	V1203356.D	1.	8260 ICAL 010 W	ICAL 8260B_W_CLP	27 May 2004 11:08
7	7	V1203357.D	1.	8260 ICAL 020 W	ICAL 8260B_W_CLP	27 May 2004 11:33
8	8	V1203358.D	1.	8260 ICAL 030 W	ICAL 8260B_W_CLP	27 May 2004 12:30
9	9	V1203359.D	1.	8260 ICAL 050 W	ICAL 8260B_W_CLP	27 May 2004 12:55
10	10	V1203360.D	1.	8260 ICAL 100 W	ICAL 8260B_W_CLP	27 May 2004 13:20
11	11	V1203361.D	1.	8260 ICAL 150 W	ICAL 8260B_W_CLP	27 May 2004 13:45
12	12	V1203362.D	1.	8260 ICAL 200 W	ICAL 8260B_W_CLP	27 May 2004 14:10
13	13	V1203363.D	1.	MB----------	MBLK 8260B_W_CLP	27 May 2004 14:35
14	14	V1203364.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 15:00
15	15	V1203365.D	1.	BFB	TUNE BFB_4	27 May 2004 16:05
16	16	V1203366.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 16:30
17	17	V1203367.D	1.	MB----------	MBLK 8260B_W	27 May 2004 16:56
18	18	V1203368.D	1.	APPIX IX STD 4	CCV 8260B_W	27 May 2004 17:21
19	19	V1203369.D	1.	MB-45785	MBLK 8260B_W	27 May 2004 17:46
20	20	V1203370.D	1.	0405649-008A	SAMP 8260_A2_W	27 May 2004 18:11

Data File : C:\HPCHEM\1\DATA\052704\V1203353.D Vial: 3
Acq On : 27 May 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.364 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	7291	PASS
75	95	30	60	50.4	15046	PASS
95	95	100	100	100.0	29830	PASS
96	95	5	9	6.9	2057	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	22347	PASS
175	174	5	9	7.8	1747	PASS
176	174	95	101	97.3	21737	PASS
177	176	5	9	6.3	1378	PASS

V1203353.D VW052704.M Fri May 28 11:05:19 2004

Response Factor Report GC/MS 12

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
1)		Pentafluorobenzene	ISTD							
2)	T	Dichlorodifluoromet	0.405	0.368	0.343	0.381	0.372	0.382	0.368	8.54
3)	pcc	Chloromethane	0.593	0.618	0.520	0.517	0.512	0.475	0.530	10.51
4)	ccc	Vinyl chloride	0.465	0.431	0.400	0.410	0.376	0.358	0.404	10.43
5)	T	Bromomethane	0.237	0.246	0.176	0.139	0.165	0.149	0.186	22.26
6)	T	Chloroethane	0.270	0.293	0.233	0.191			0.258	14.96
7)	T	Trichlorofluorometh	0.699	0.677	0.616	0.667	0.715	0.697	0.675	6.03
8)	T	Acrolein	0.069	0.065	0.067	0.062	0.059		0.064	6.32
9)	ccc	1,1-Dichloroethene	0.519	0.402	0.442	0.409	0.415	0.338	0.423	13.34
10)		Freon-113	0.396	0.333	0.336	0.308	0.305	0.266	0.327	12.49
11)	T	Acetone	0.088	0.097	0.080		0.056	0.056	0.072	23.13
12)	T	Iodomethane	0.745	0.700	0.680	0.645	0.658	0.601	0.681	7.53
13)	T	Carbon disulfide	1.632	1.447	1.422	1.316	1.314	1.078	1.384	12.92
14)		Methyl Acetate	1.055	0.944	0.954	0.804	0.782		0.885	13.58
15)	T	Vinyl acetate	0.528	0.472	0.477	0.402	0.391		0.443	13.58
16)	T	Methylene chloride	0.810	0.611	0.561	0.481	0.457	0.416	0.616	38.07
17)	T	Acrylonitrile	0.281	0.275	0.262	0.238	0.233	0.200	0.248	11.34
18)		Methyl tert-butyl e	1.483	1.394	1.442	1.363	1.435	1.379	1.415	2.81
19)	T	trans-1,2-Dichloroe	0.592	0.505	0.500	0.486	0.477	0.427	0.505	10.39
20)	pcc	1,1-Dichloroethane	1.178	1.095	1.062	0.986	1.034	1.023	1.070	5.81
21)	T	2,2-Dichloropropane	0.443	0.415	0.430	0.391	0.405	0.412	0.413	6.98
22)	T	cis-1,2-Dichloroeth	0.529	0.507	0.529	0.511	0.544	0.556	0.535	3.21
23)	T	2-Butanone	0.065	0.088	0.081	0.073	0.070	0.080	0.074	10.41
24)	T	Bromochloromethane	0.258	0.242	0.266	0.234	0.233	0.243	0.249	5.38
25)	ccc	Chloroform	1.122	0.958	0.846	0.789	0.808	0.822	0.877	12.71
26)		Cyclohexane	1.033	0.858	0.835	0.769	0.821	0.812	0.848	9.40
27)	T	1,1,1-Trichloroetha	0.641	0.595	0.612	0.595	0.609	0.638	0.614	4.37
28)	I	1,4-Difluorobenzene	ISTD							
29)	S	Dibromofluoromethan	0.313	0.299	0.280	0.279	0.301	0.298	0.299	6.17
30)	T	1,1-Dichloropropene	0.137	0.117	0.138	0.136	0.140	0.144	0.138	6.16
31)	T	Carbon tetrachlorid	0.291	0.275	0.306	0.312	0.334	0.365	0.313	9.55
32)	M	Benzene	1.273	1.284	1.361	1.316	1.339	1.339	1.300	6.28
33)	T	1,2-Dichloroethane	0.432	0.437	0.455	0.431	0.440	0.453	0.440	1.93
34)	M	Trichloroethene	0.231	0.267	0.292	0.280	0.291	0.321	0.289	10.04
35)		Methylcyclohexane	0.213	0.211	0.276	0.276	0.296	0.300	0.268	13.49
36)	ccc	1,2-Dichloropropane	0.356	0.346	0.362	0.343	0.346	0.340	0.340	6.61
37)	T	Dibromomethane	0.173	0.174	0.186	0.184	0.182	0.185	0.179	5.20
38)	T	Bromodichloromethan	0.302	0.286	0.340	0.321	0.328	0.350	0.322	6.52
39)	T	2-Chloroethyl vinyl	0.199	0.259	0.309	0.313	0.325	0.317	0.290	14.87
40)	T	cis-1,3-Dichloropro	0.334	0.379	0.398	0.430	0.441	0.456	0.401	12.33
41)	T	4-Methyl-2-pentanon	0.276	0.326	0.390	0.371	0.374	0.362	0.339	14.46
42)	S	Toluene-d8	0.831	0.995	0.977	0.968	1.011	0.992	0.953	6.12
43)	ccc	Toluene	0.611	0.678	0.737	0.724	0.731	0.723	0.687	8.89
44)	T	trans-1,3-Dichlorop	0.228	0.280	0.329	0.369	0.381	0.402	0.335	18.53
45)	T	1,1,2-Trichloroetha	0.186	0.200	0.198	0.196	0.198	0.201	0.191	6.28
46)	I	Chlorobenzene-d5	ISTD							
47)	T	2-Hexanone	0.245	0.310	0.351	0.368	0.362	0.373	0.340	12.85
48)	T	Tetrachloroethene	0.324	0.300	0.309	0.312	0.325	0.322	0.318	3.60
49)	T	1,3-Dichloropropane	0.560	0.570	0.642	0.587	0.629	0.615	0.594	7.70
50)	T	Dibromochloromethan	0.297	0.290	0.299	0.317	0.328	0.337	0.309	6.74
51)	T	1,2-Dibromoethane	0.296	0.300	0.324	0.311	0.322	0.331	0.307	8.56
52)	pcc	Chlorobenzene	0.982	1.012	1.023	0.973	1.032	1.011	1.018	4.05#
53)	T	1,1,1,2-Tetrachloro	0.265	0.266	0.282	0.306	0.325	0.347	0.294	13.75
54)	ccc	Ethylbenzene	1.358	1.480	1.597	1.620	1.715	1.730	1.566	11.55
55)	T	m,p-Xylene	1.060	1.098	1.282	1.240	1.321	1.280	1.191	12.80
56)	T	o-Xylene	0.950	1.052	1.187	1.232	1.310	1.313	1.198	11.12
57)	T	Styrene	0.832	0.919	1.039	1.052	1.078	1.049	1.009	8.60

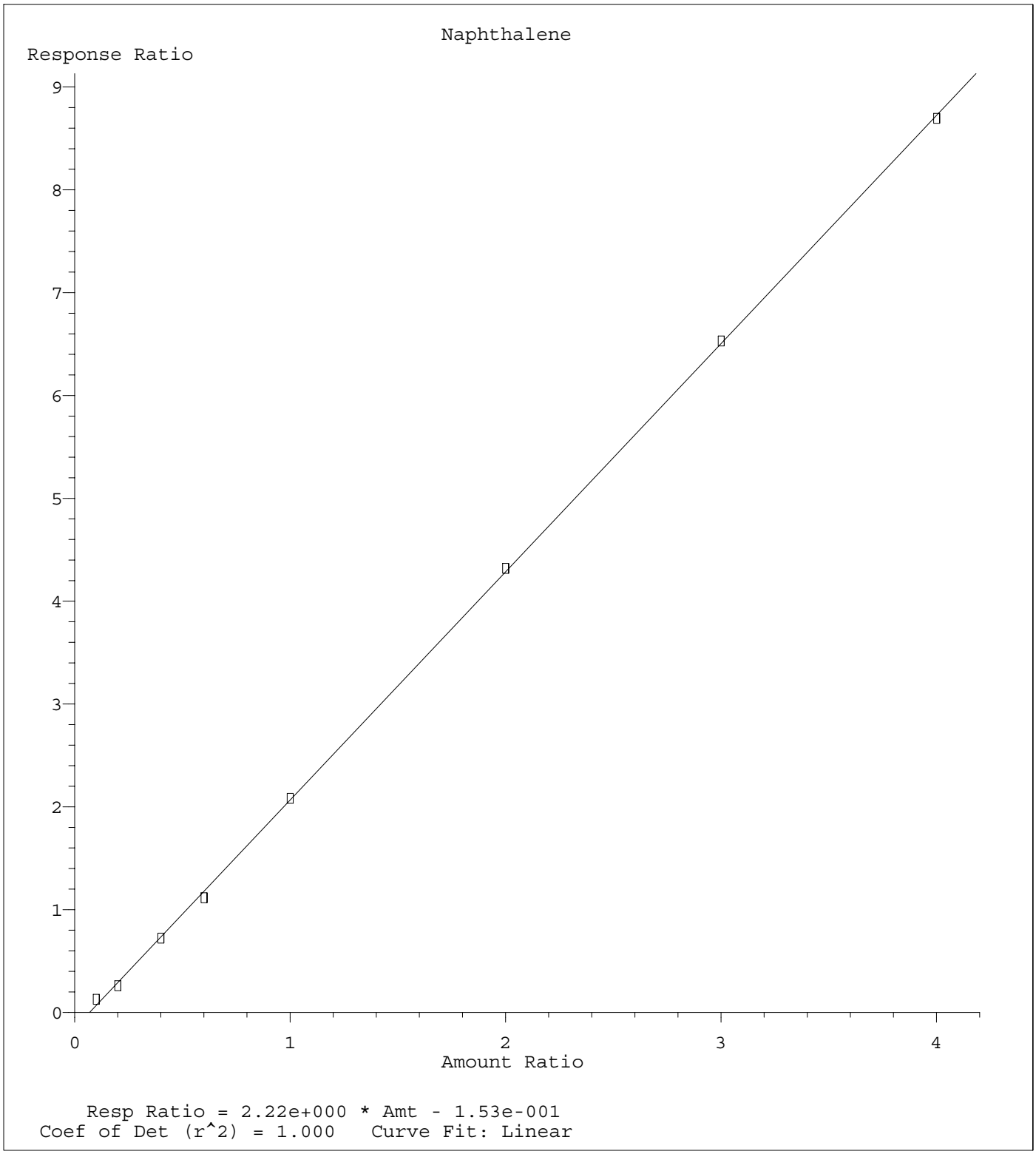
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

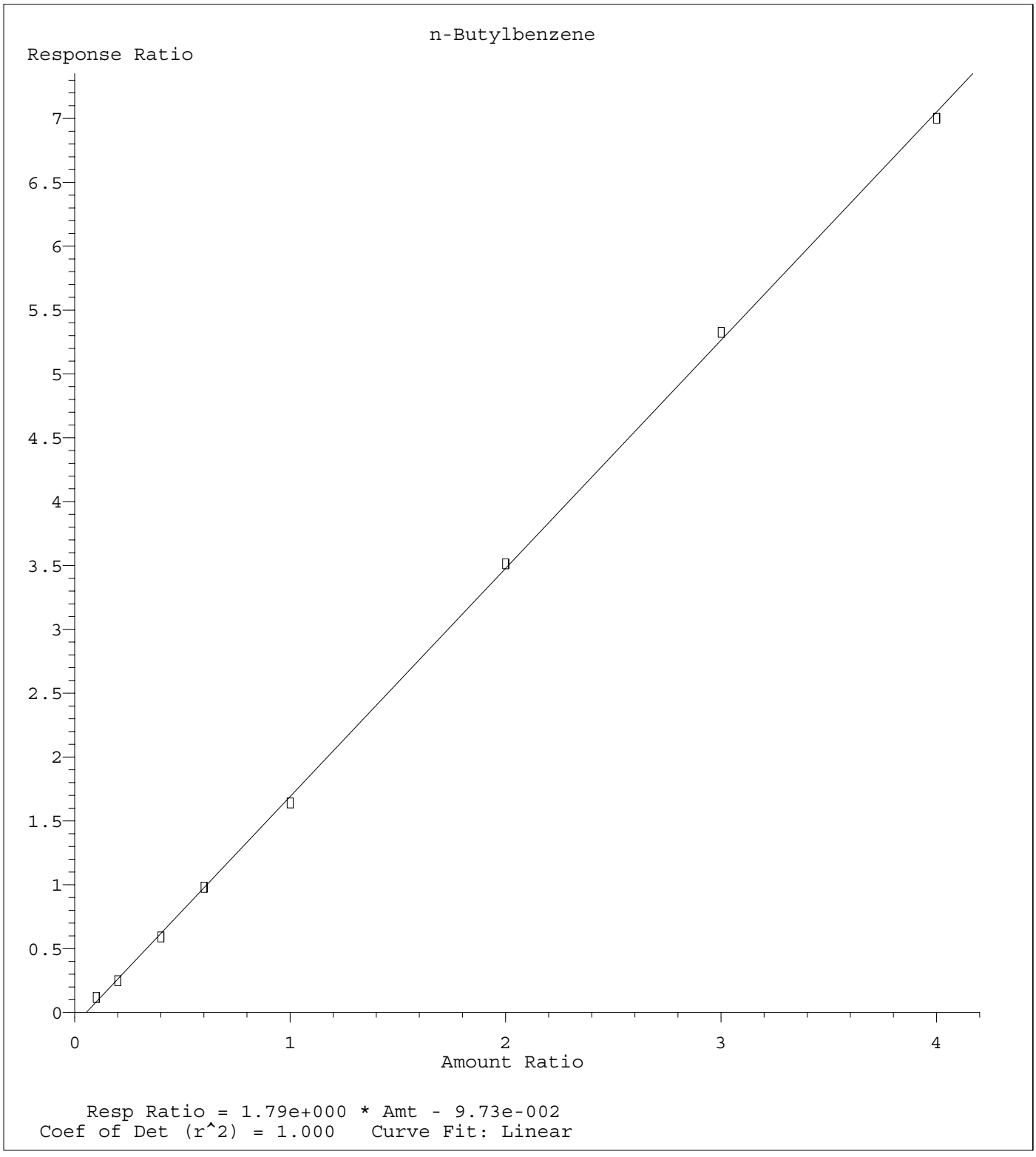
Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
58)	pcc	Bromoform	0.188	0.177	0.207	0.209	0.230	0.248	0.211	12.02#
59)	S	4-Bromofluorobenzen	0.342	0.435	0.423	0.442	0.490	0.499	0.431	13.51
60)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
61)	T	Bromobenzene	0.644	0.679	0.648	0.705	0.730	0.720	0.674	9.31
62)	pcc	1,1,2,2-Tetrachloro	0.867	0.777	0.785	0.830	0.814	0.676	0.796	8.07
63)	T	1,2,3-Trichloroprop	1.127	1.089	1.241	1.292	1.348	1.356	1.241	9.74
64)	T	Isopropylbenzene	1.675	1.765	2.101	2.315	2.394	2.456	2.175	14.02
65)	T	n-Propylbenzene	2.456	2.626	2.929	3.015	3.124	3.158	2.837	13.65
66)	T	trans-1,4-Dichloro-	0.038	0.028	0.043	0.055	0.055	0.058	0.048	22.36
67)	T	2-Chlorotoluene	1.657	1.758	1.896	1.908	2.008	2.013	1.847	11.92
68)	T	4-Chlorotoluene	1.915	2.113	2.169	2.281	2.346	2.369	2.170	10.44
69)	T	1,3,5-Trimethylbenz	1.576	1.545	1.820	1.913	2.033	2.011	1.854	10.55
70)	T	tert-Butylbenzene	1.256	1.290	1.627	1.752	1.849	1.911	1.653	15.49
71)	T	1,2,4-Trimethylbenz	1.519	1.711	1.987	2.057	2.154	2.198	1.987	12.37
72)	T	sec-Butylbenzene	1.522	1.617	1.936	2.057	2.197	2.265	1.987	14.20
73)	T	1,3-Dichlorobenzene	1.225	1.110	1.265	1.249	1.247	1.251	1.199	7.55
74)	T	4-Isopropyltoluene	1.428	1.503	1.826	1.883	1.968	2.011	1.803	12.25
75)	T	1,4-Dichlorobenzene	1.421	1.224	1.294	1.290	1.329	1.294	1.329	4.98
76)	T	1,2-Dichlorobenzene	1.189	1.236	1.249	1.228	1.264	1.227	1.214	6.06
77)	T	n-Butylbenzene	1.166	1.244	1.479	1.640	1.756	1.750	1.555	15.26
78)	T	1,2-Dibromo-3-chlor	0.121	0.125	0.142	0.131	0.145	0.149	0.133	13.37
79)	T	1,2,4-Trichlorobenz	0.506	0.461	0.541	0.622	0.657	0.691	0.596	14.61
80)	T	Hexachlorobutadiene	0.242	0.214	0.219	0.227	0.244	0.264	0.229	12.00
81)	T	Naphthalene	1.280	1.303	1.808	2.083	2.159	2.174	1.855	20.25
82)	T	1,2,3-Trichlorobenz	0.433	0.561	0.554	0.603	0.640	0.646	0.570	13.11

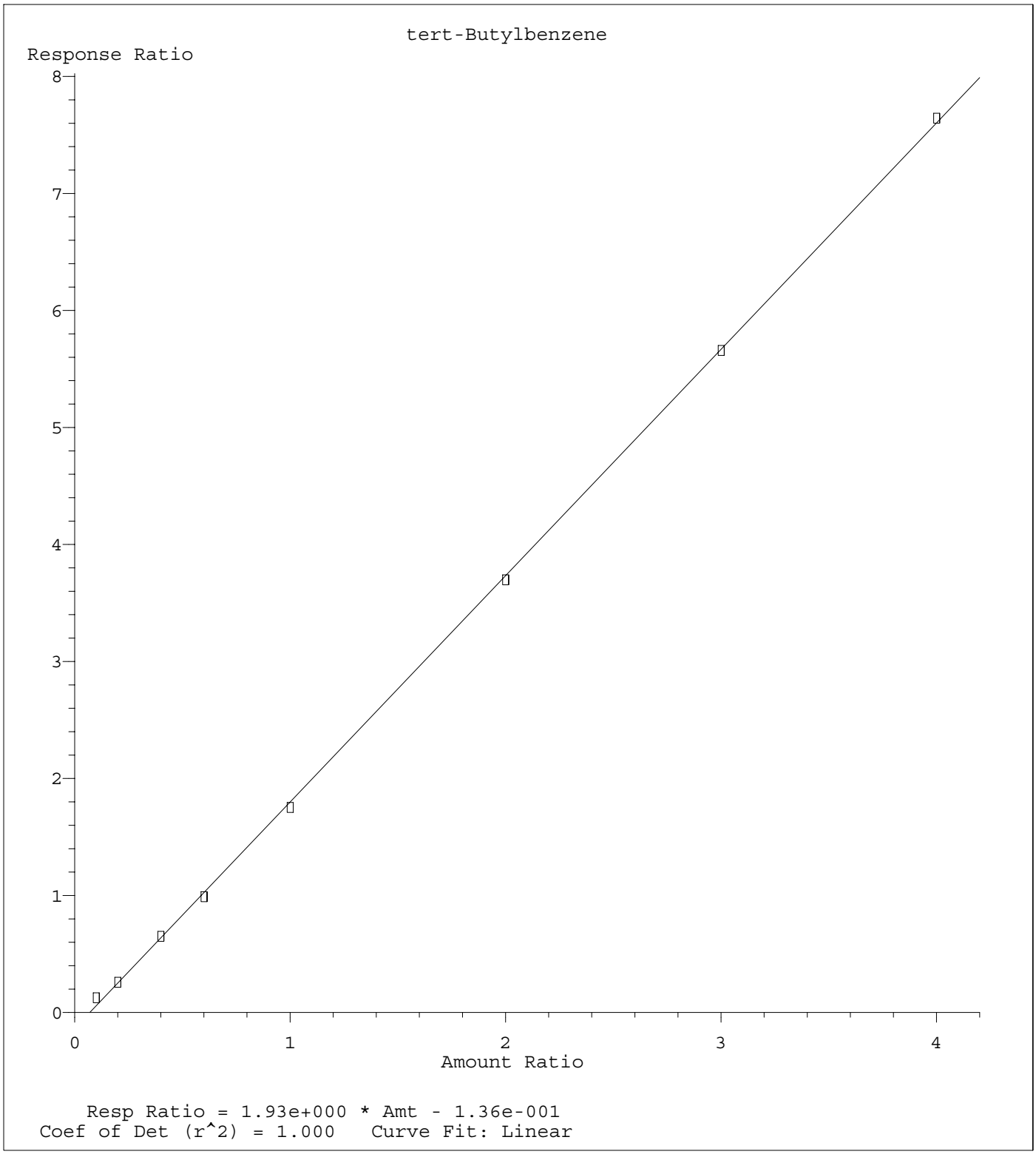
(#) = Out of Range ### Number of calibration levels exceeded format ###



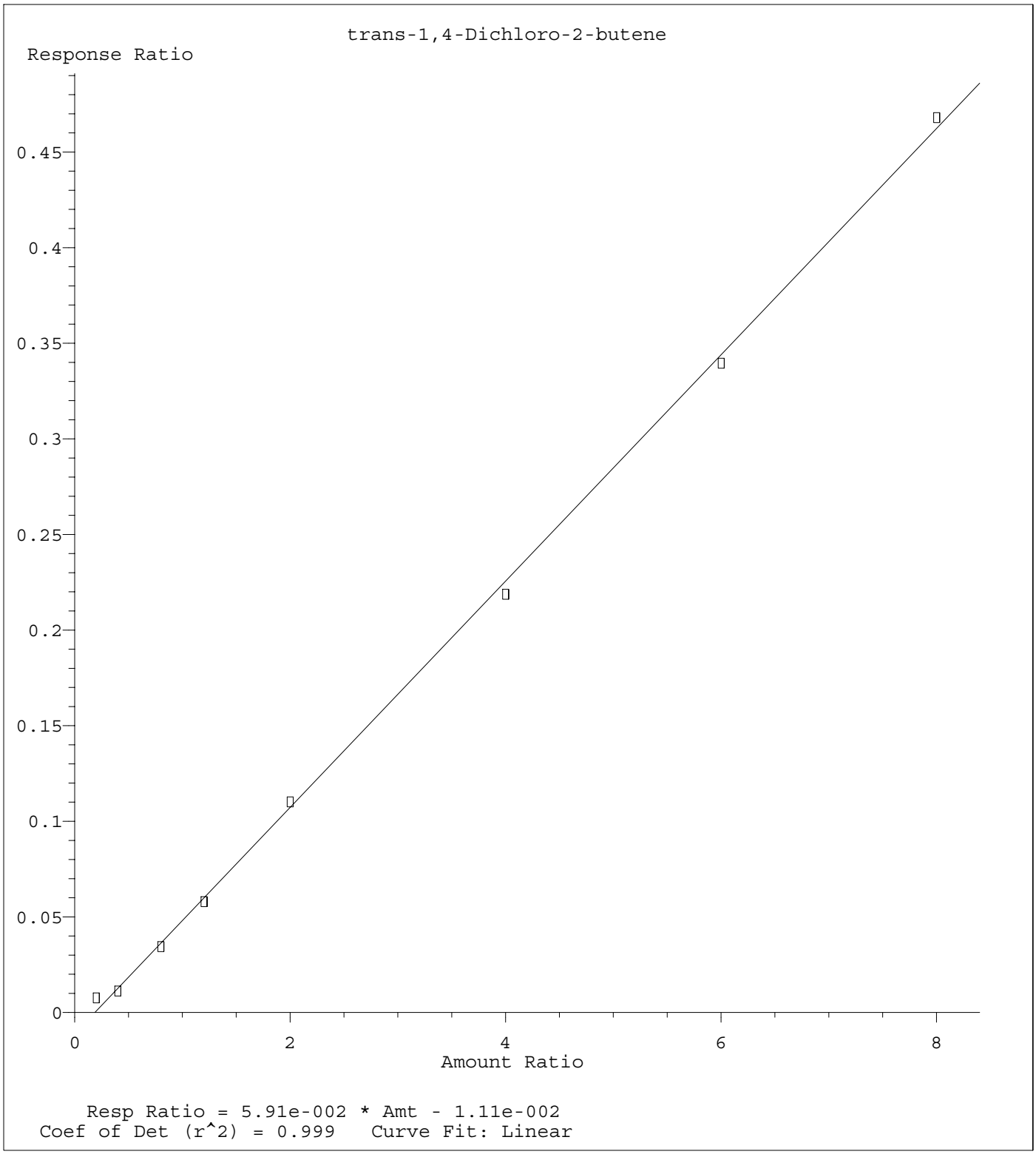
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



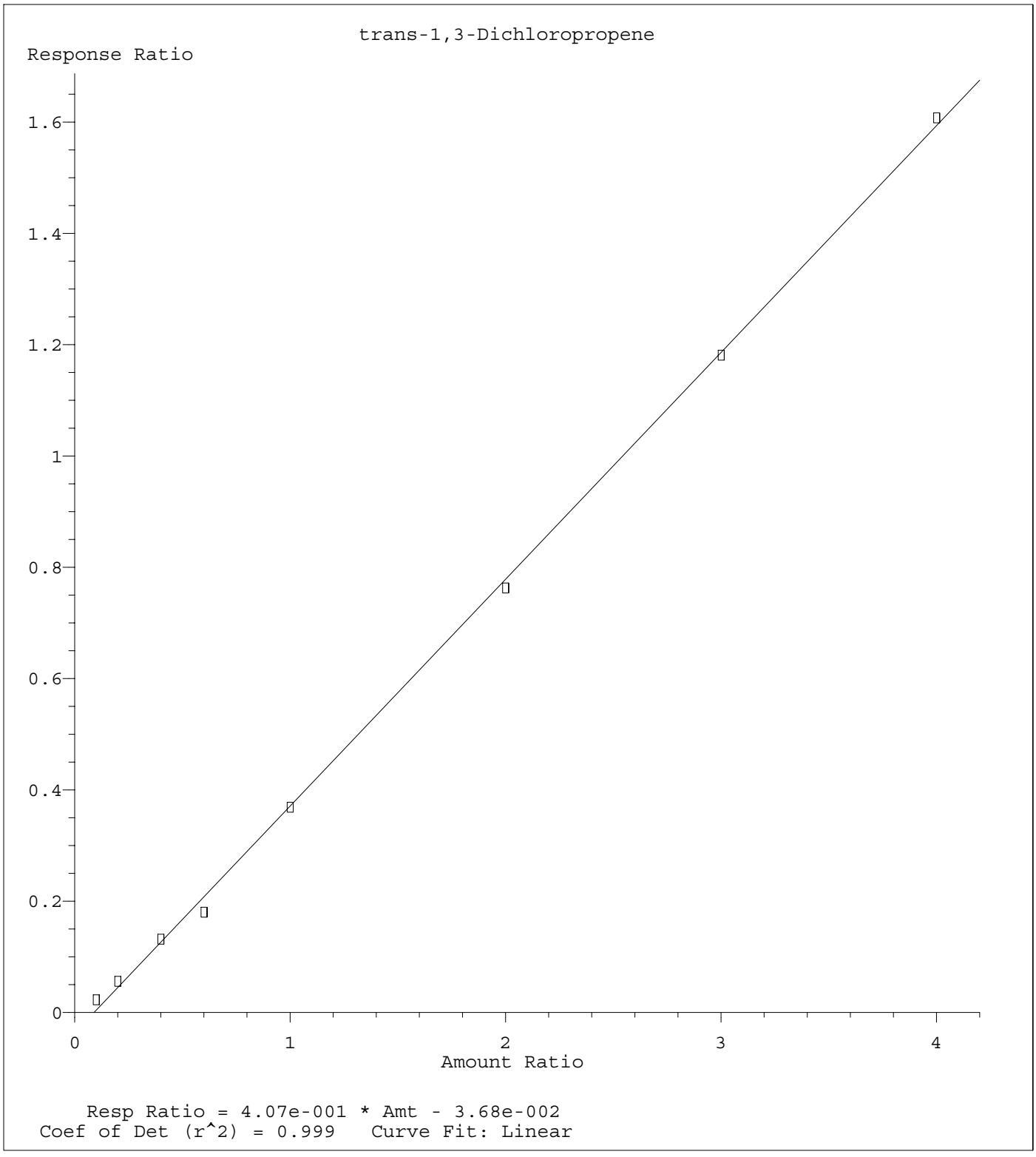
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



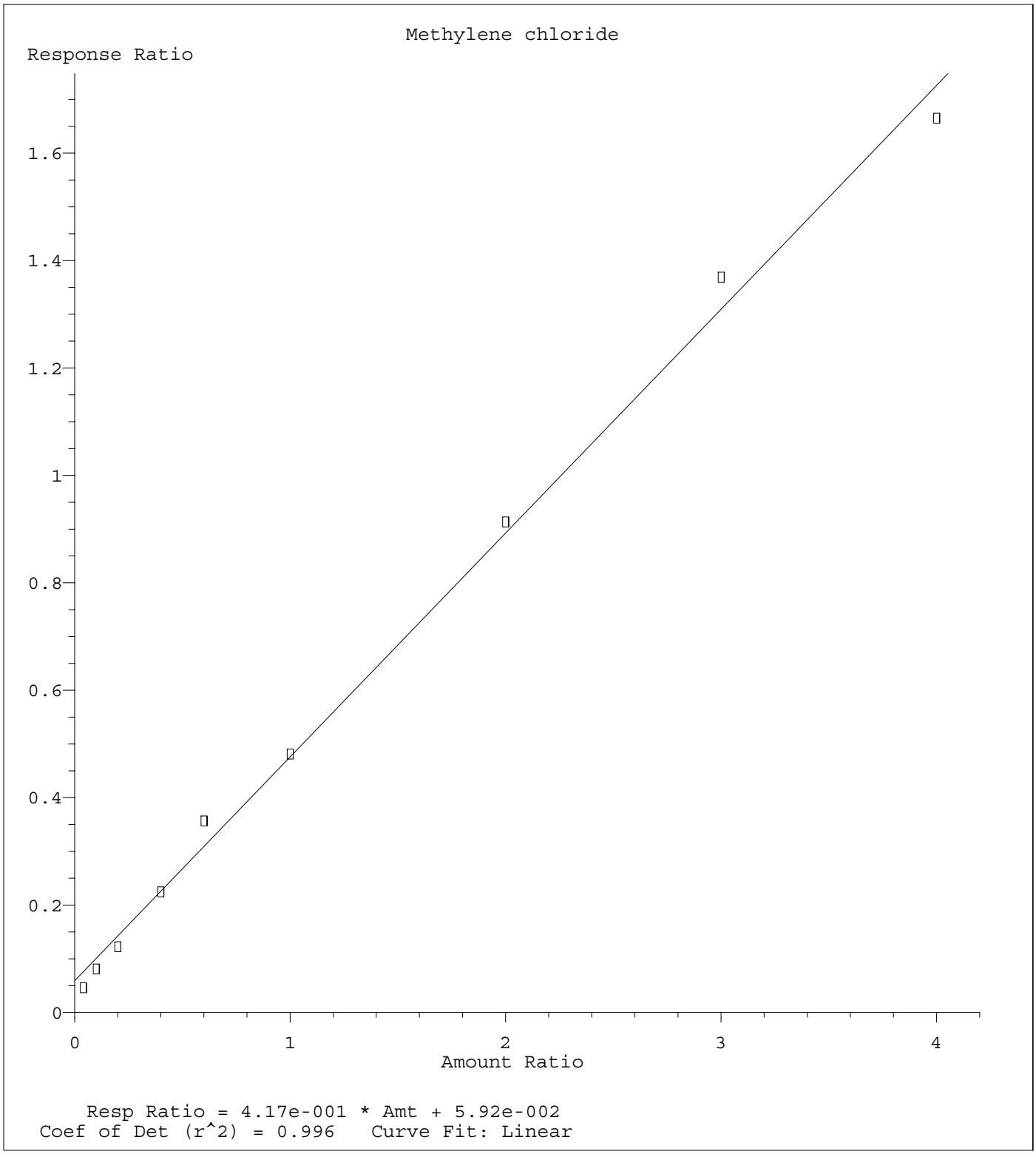
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



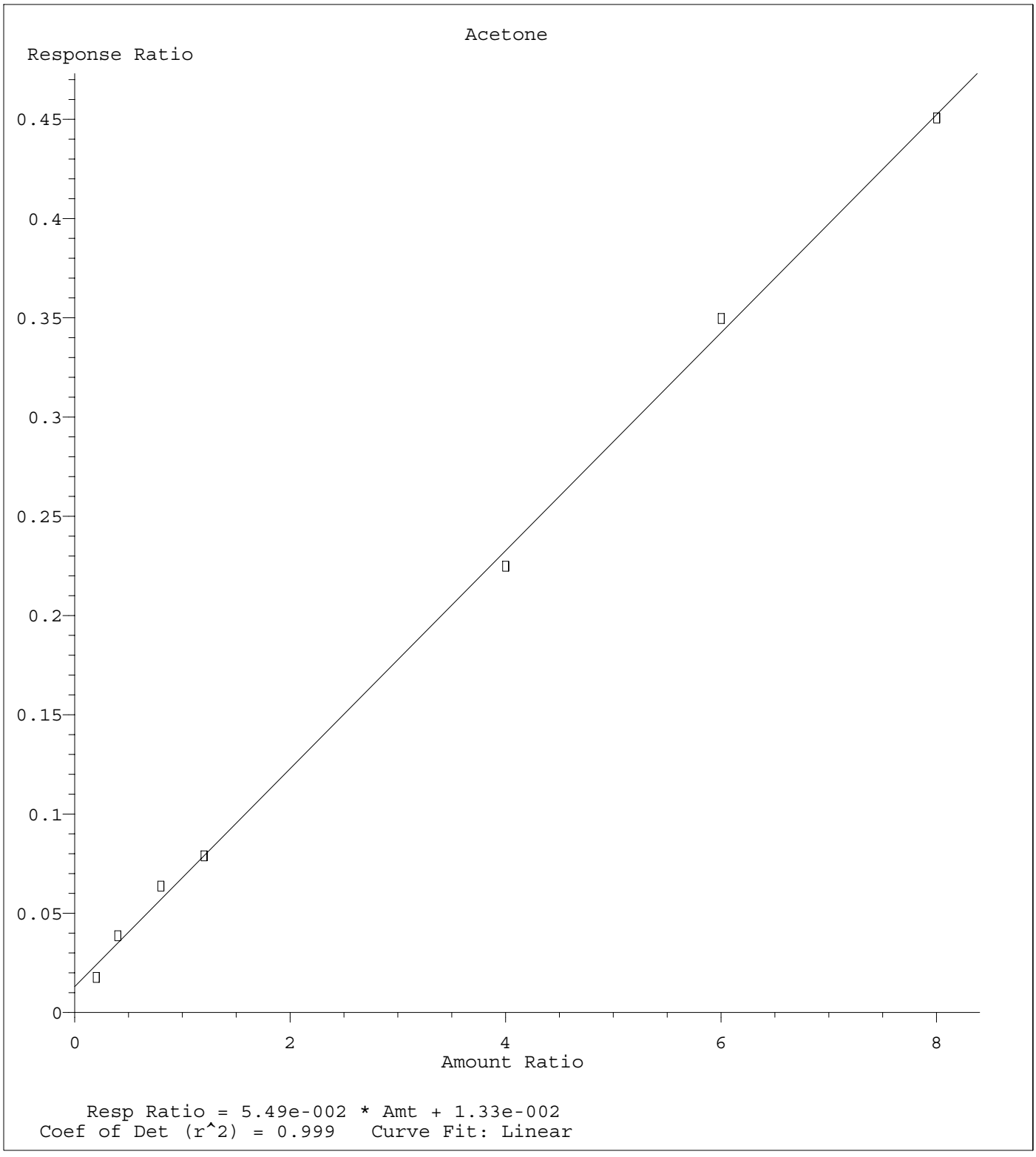
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



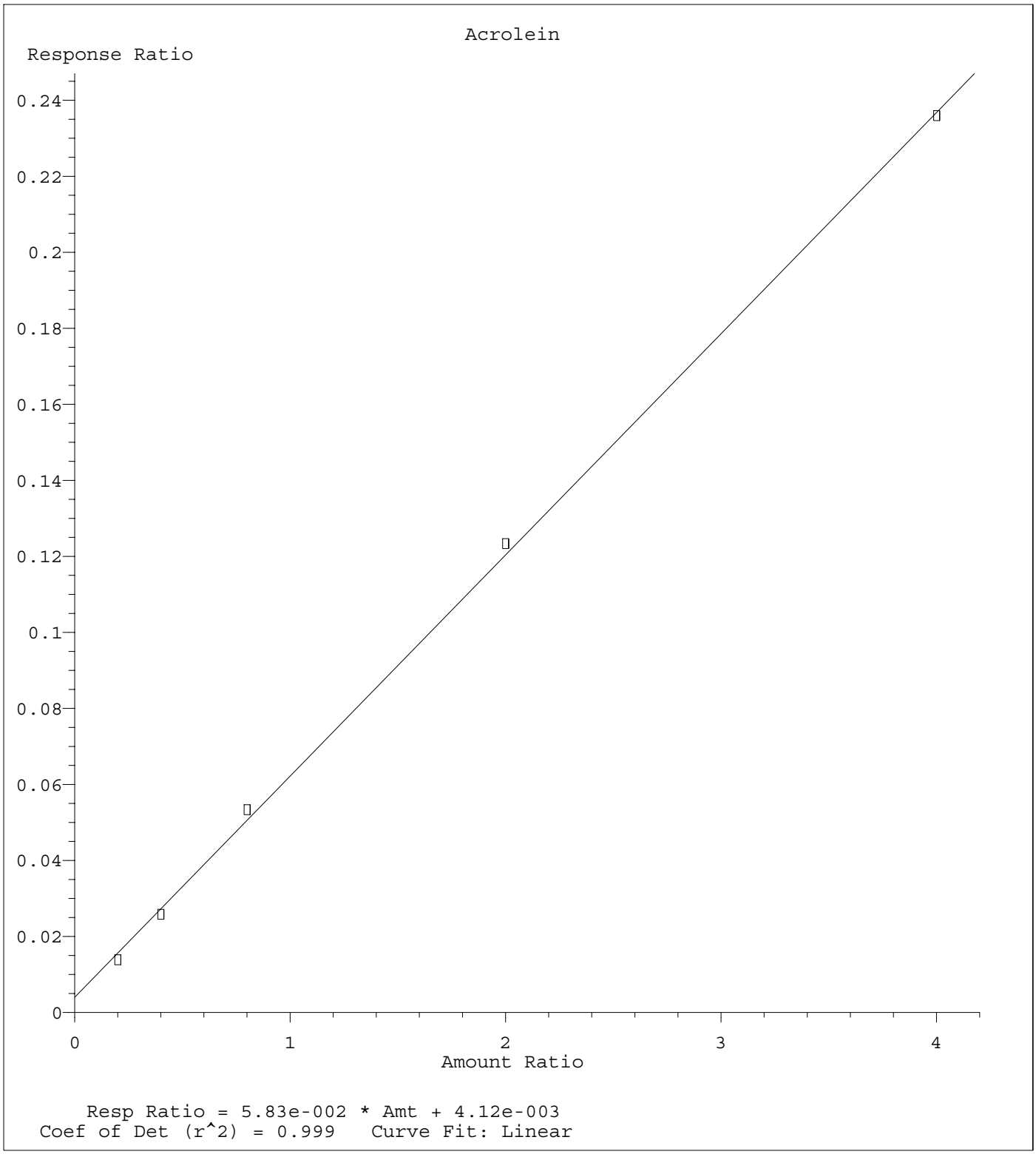
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



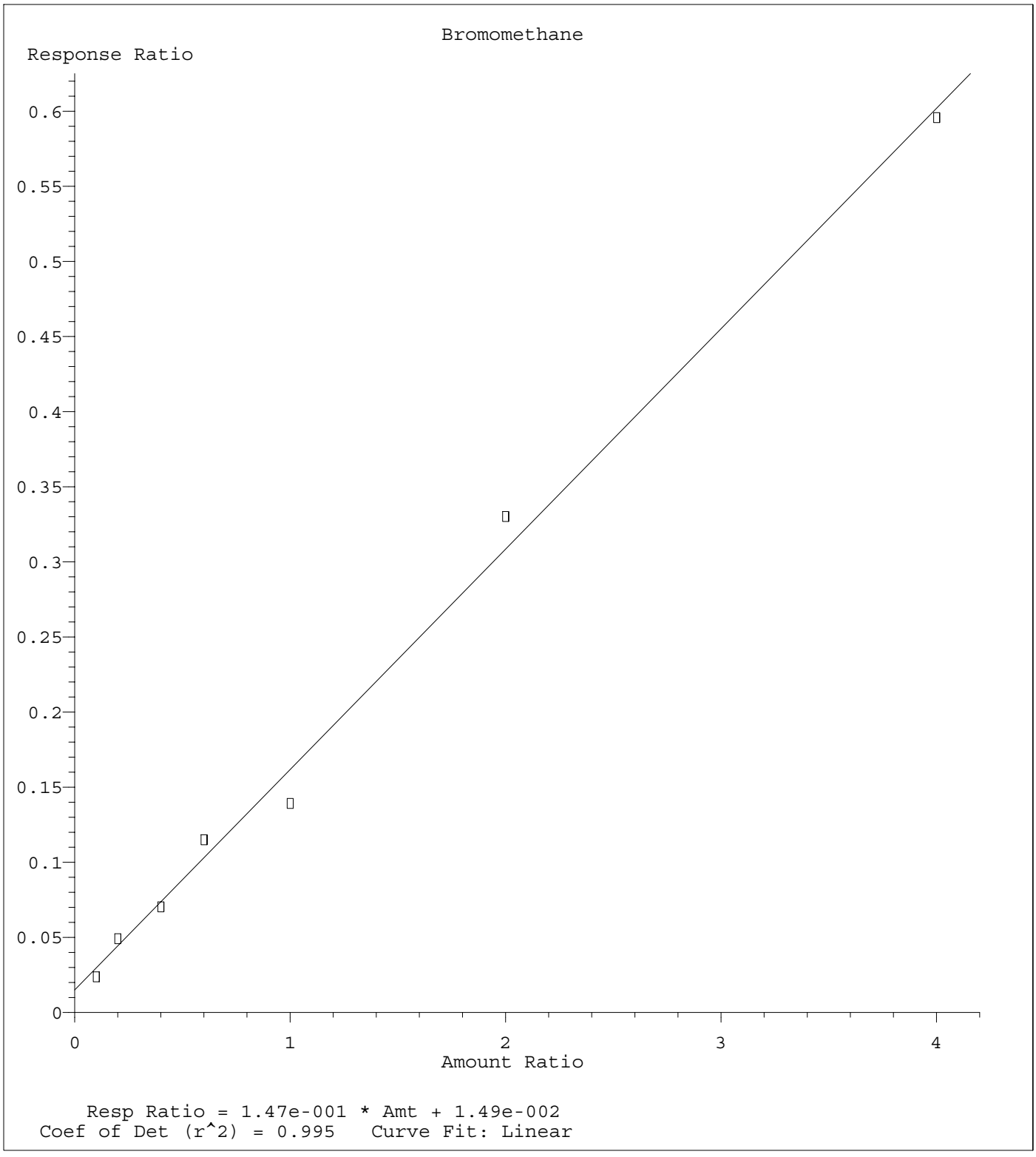
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	140600	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	223860	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	146358	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73278	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.45	113	3032	2.27 ug/L	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 4.54%#		
42) Toluene-d8	8.59	98	8086	1.90 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.80%		
59) 4-Bromofluorobenzene	11.35	95	1982	1.57 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.14%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.34	85	1669	1.61 ug/L #	43
3) Chloromethane	1.47	50	2607	1.75 ug/L	93
4) Vinyl chloride	1.57	62	2077	1.83 ug/L #	43
5) Bromomethane	1.83	94	1297	Below Cal	96
6) Chloroethane	1.90	64	1583	2.18 ug/L #	44
7) Trichlorofluoromethane	2.10	101	3379	1.78 ug/L	100
8) Acrolein	2.42	56	921	2.08 ug/L #	12
9) 1,1-Dichloroethene	2.54	96	3040	2.55 ug/L	94
10) Freon-113	2.55	101	2116	2.30 µg/L #	66
11) Acetone	2.57	58	1241	Below Cal #	11
12) Iodomethane	2.68	142	7848	4.10 ug/L #	84
13) Carbon disulfide	2.75	76	16330	4.20 ug/L	100
14) Methyl Acetate	2.89	43	6874	2.76 µg/L #	9
15) Vinyl acetate	2.89	43	6874	5.52 ug/L #	87
16) Methylene chloride	3.00	84	6490	Below Cal #	71
17) Acrylonitrile	3.26	53	2981	4.27 ug/L	93
18) Methyl tert-butyl ether	3.32	73	7785	1.96 µg/L #	74
19) trans-1,2-Dichloroethene	3.32	96	2971	2.09 ug/L	79
20) 1,1-Dichloroethane	3.83	63	6447	2.14 ug/L #	90
21) 2,2-Dichloropropane	4.70	77	2008	1.73 ug/L #	51
22) cis-1,2-Dichloroethene	4.71	96	3030	2.02 ug/L	97
23) 2-Butanone	4.75	72	785m	3.76 ug/L	
24) Bromochloromethane	5.06	128	1507	2.16 ug/L #	63
25) Chloroform	5.21	83	7850	3.18 ug/L	97
26) Cyclohexane	5.55	56	7602	3.19 µg/L #	48
27) 1,1,1-Trichloroethane	5.47	97	3170	1.83 ug/L #	83
30) 1,1-Dichloropropene	5.73	110	1282	2.08 ug/L	81
31) Carbon tetrachloride	5.72	119	2558	1.83 ug/L	86
32) Benzene	6.02	78	9826	1.69 ug/L	96
33) 1,2-Dichloroethane	6.05	62	3941	2.00 ug/L #	75
34) Trichloroethene	6.95	130	2896	2.24 ug/L	83
35) Methylcyclohexane	7.21	55	1801	1.50 µg/L #	89
36) 1,2-Dichloropropane	7.25	63	2542	1.67 ug/L #	100
37) Dibromomethane	7.41	93	1709	2.13 ug/L	85
38) Bromodichloromethane	7.64	83	2924	2.03 ug/L #	95
39) 2-Chloroethyl vinyl ether	8.09	63	2614	2.01 µg/L #	100
40) cis-1,3-Dichloropropene	8.25	75	2898	1.62 ug/L #	56
41) 4-Methyl-2-pentanone	8.48	43	4385	2.89 ug/L #	72
43) Toluene	8.69	92	5051	1.64 ug/L	92
44) trans-1,3-Dichloropropene	8.99	75	2336	5.79 ug/L #	46
45) 1,1,2-Trichloroethane	9.22	83	1506	1.76 ug/L	99
47) 2-Hexanone	9.54	43	2479	2.49 ug/L #	82
48) Tetrachloroethene	9.39	166	1784	1.92 ug/L #	68
49) 1,3-Dichloropropane	9.41	76	3910	1.67 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

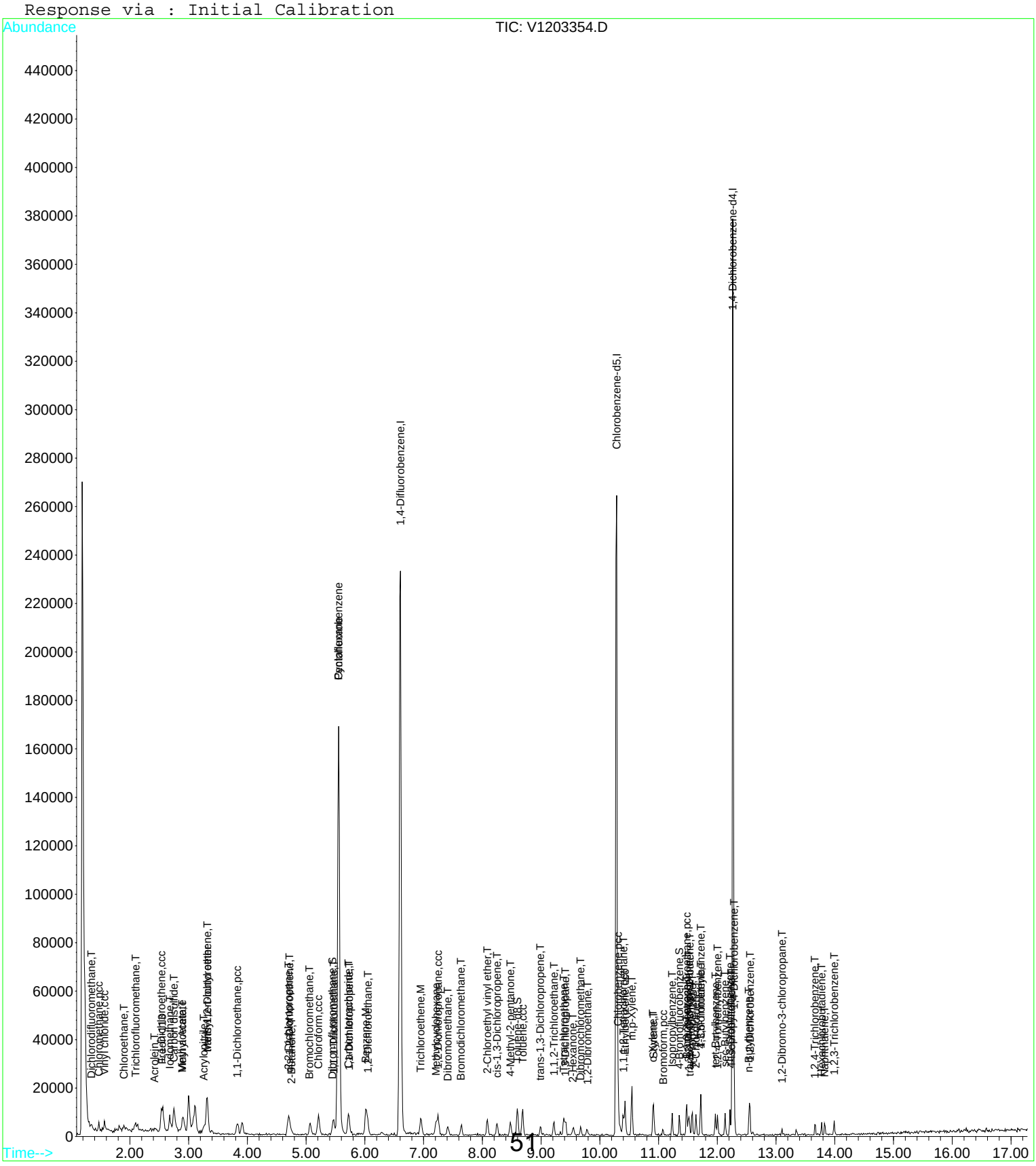
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	1607	1.77	ug/L		91
51)	1,2-Dibromoethane	9.79	107	1429m	1.59	ug/L		
52)	Chlorobenzene	10.31	112	6530	2.19	ug/L		92
53)	1,1,1,2-Tetrachloroethane	10.41	131	1281	1.49	ug/L	#	47
54)	Ethylbenzene	10.43	91	7109	1.55	ug/L		99
55)	m,p-Xylene	10.55	91	10133	2.91	ug/L		100
56)	o-Xylene	10.90	91	4421	1.26	ug/L		84
57)	Styrene	10.91	104	3653	1.24	ug/L		93
58)	Bromoform	11.08	173	1063	1.73	ug/L	#	36
61)	Bromobenzene	11.48	156	1549	1.57	ug/L	#	51
62)	1,1,2,2-Tetrachloroethane	11.48	83	2596	2.23	ug/L	#	85
63)	1,2,3-Trichloropropane	11.52	75	3085	1.70	ug/L	#	1
64)	Isopropylbenzene	11.23	105	4131	1.30	ug/L		94
65)	n-Propylbenzene	11.58	91	5956	1.43	ug/L		88
66)	trans-1,4-Dichloro-2-buten	11.53	124	102m	10.55	ug/L		
67)	2-Chlorotoluene	11.64	91	4006	1.48	ug/L		93
68)	4-Chlorotoluene	11.72	91	5003	1.57	ug/L		84
69)	1,3,5-Trimethylbenzene	11.72	105	3397	1.25	ug/L		92
70)	tert-Butylbenzene	11.97	119	3383	4.71	ug/L	#	82
71)	1,2,4-Trimethylbenzene	12.00	105	3530	1.21	ug/L	#	71
72)	sec-Butylbenzene	12.13	105	3612	1.24	ug/L	#	69
73)	1,3-Dichlorobenzene	12.22	146	2903	1.65	ug/L	#	89
74)	4-Isopropyltoluene	12.24	119	3452	1.31	ug/L	#	63
75)	1,4-Dichlorobenzene	12.29	146	4209	2.16	ug/L	#	72
76)	1,2-Dichlorobenzene	12.56	146	3011	1.69	ug/L	#	92
77)	n-Butylbenzene	12.54	91	3663	4.12	ug/L	#	68
78)	1,2-Dibromo-3-chloropropan	13.10	75	275m	1.41	ug/L		
79)	1,2,4-Trichlorobenzene	13.66	180	1078	1.23	ug/L	#	67
80)	Hexachlorobutadiene	13.78	225	496m	1.48	ug/L		
81)	Naphthalene	13.82	128	2913	4.34	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	1399	1.67	ug/L	#	68

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

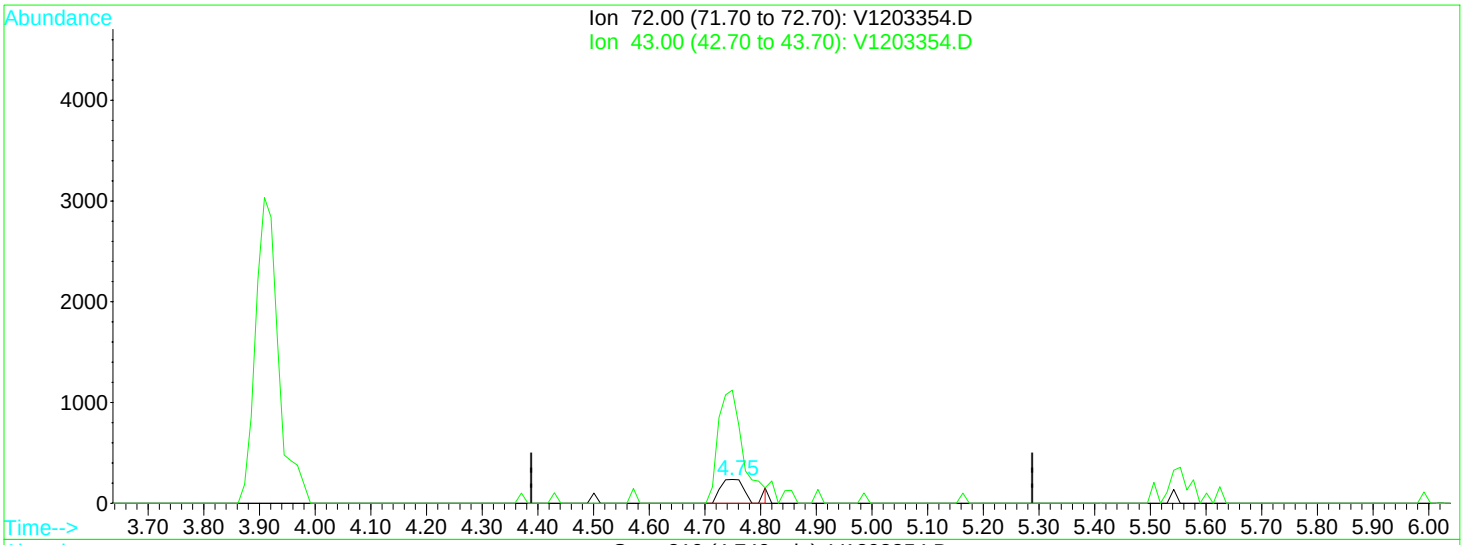
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

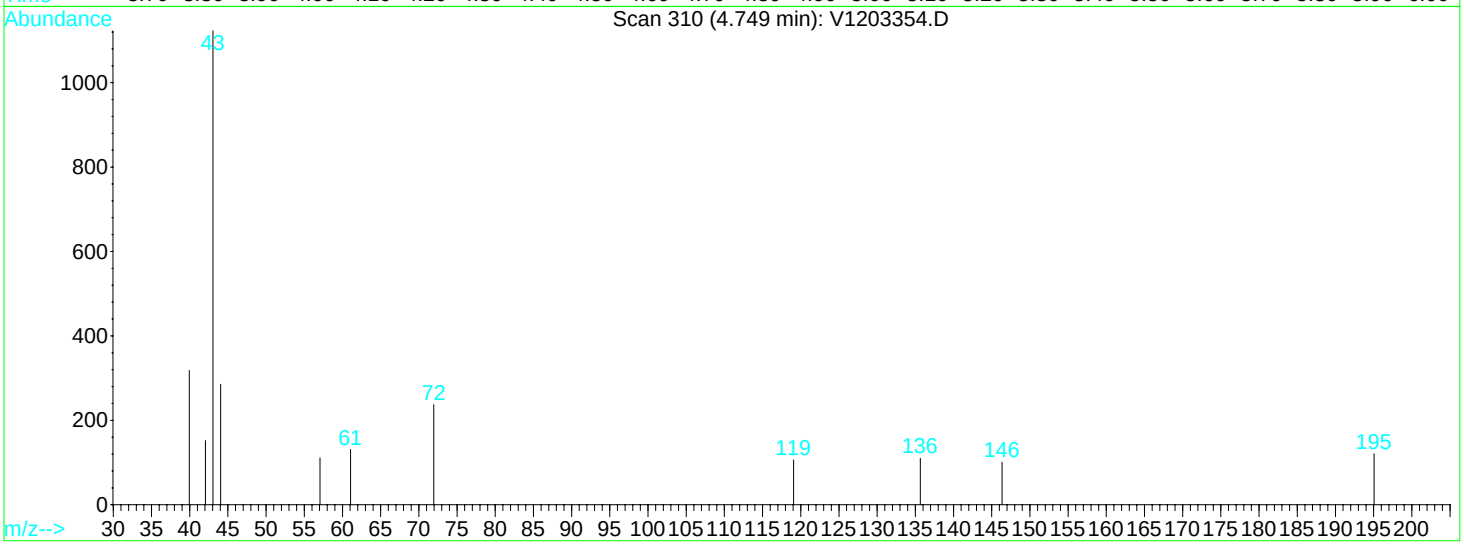


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(23) 2-Butanone (T)

4.75min 3.76ug/L m

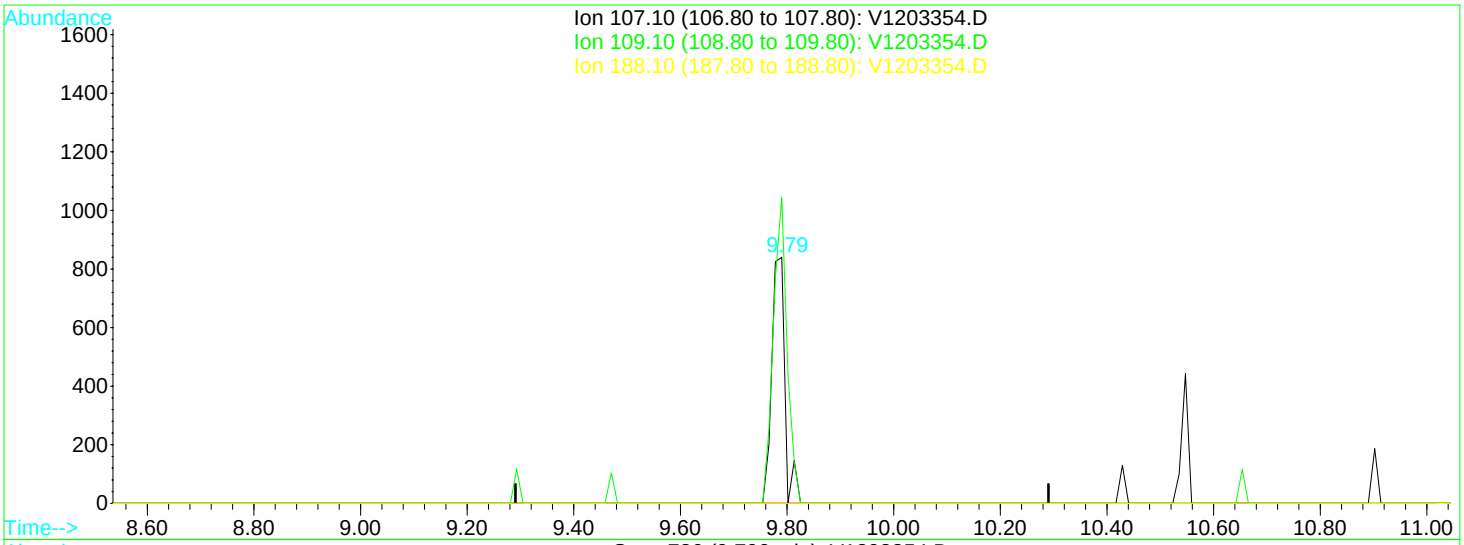
response 785

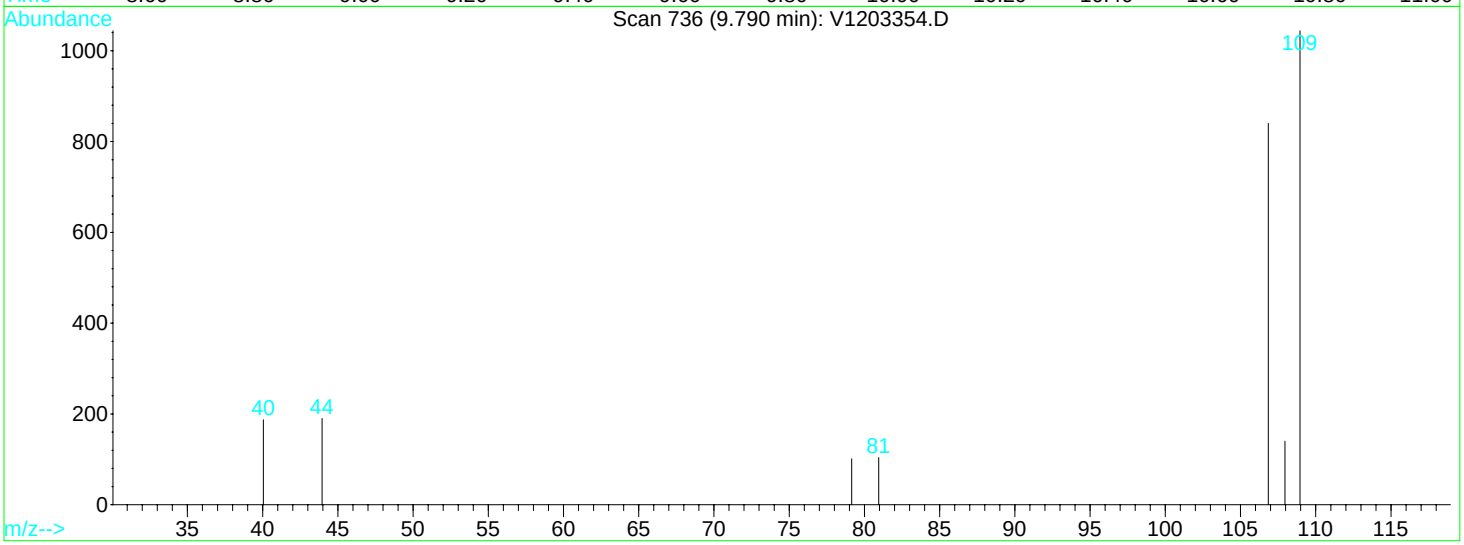
Ion	Exp%	Act%
72.00	100	100
43.00	362.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(51) 1,2-Dibromoethane (T)

9.79min 1.59ug/L m

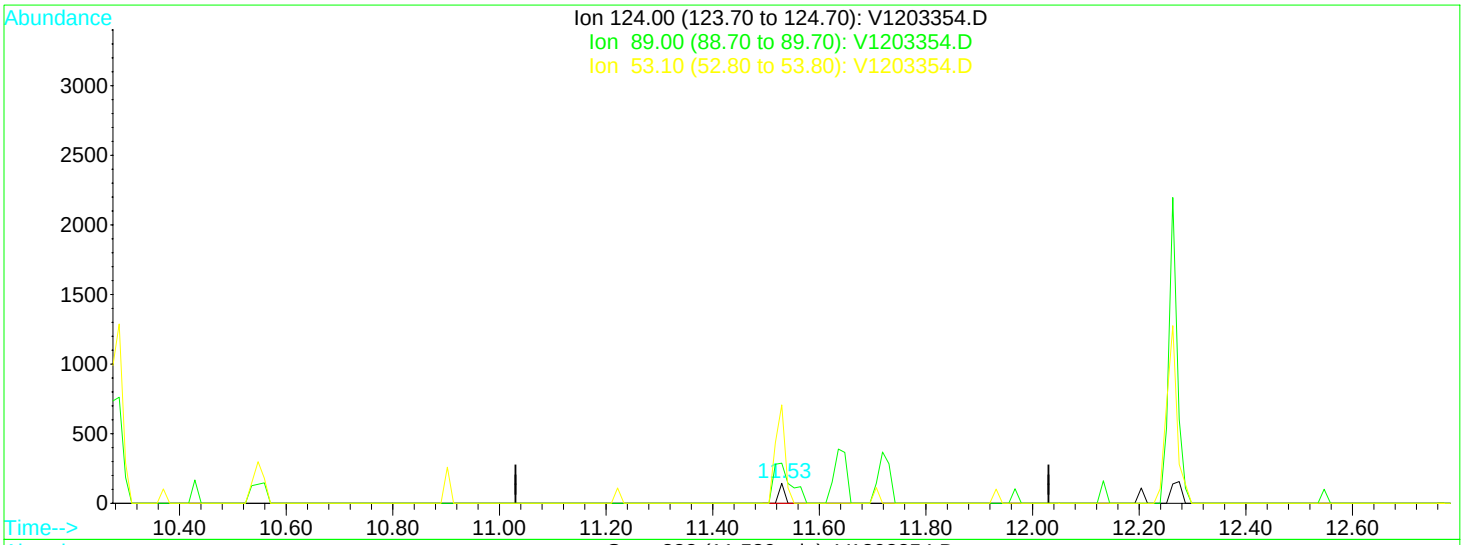
response 1429

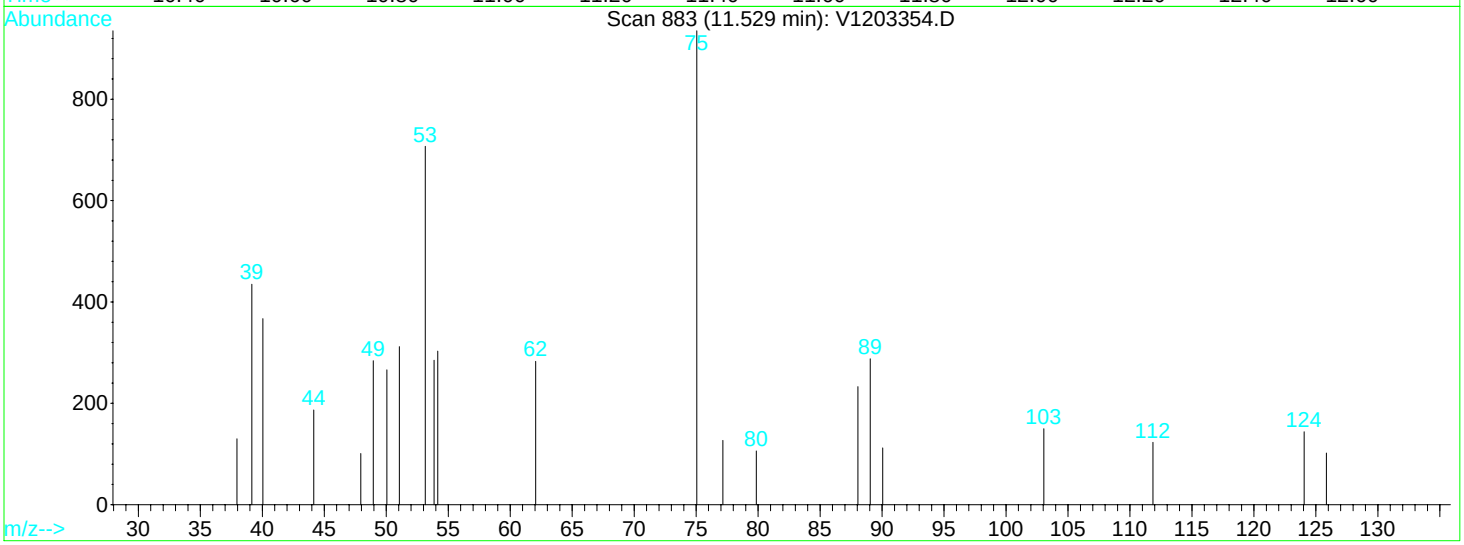
Ion	Exp%	Act%
107.10	100	100
109.10	92.90	131.49#
188.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 10.55ug/L m

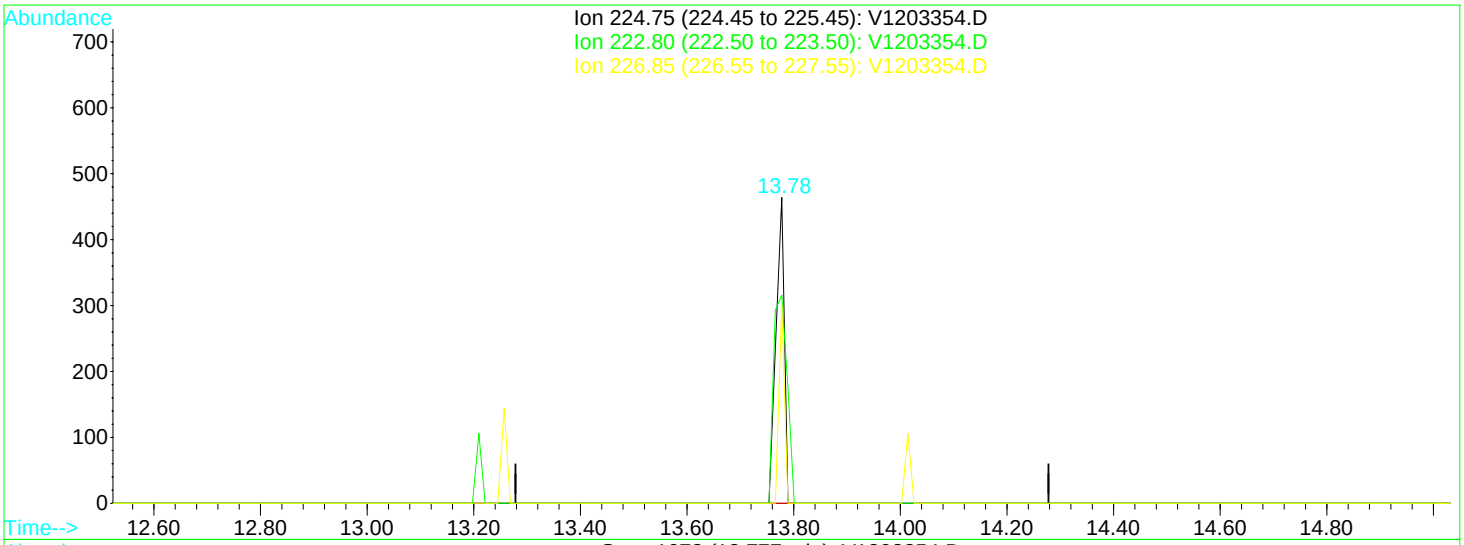
response 102

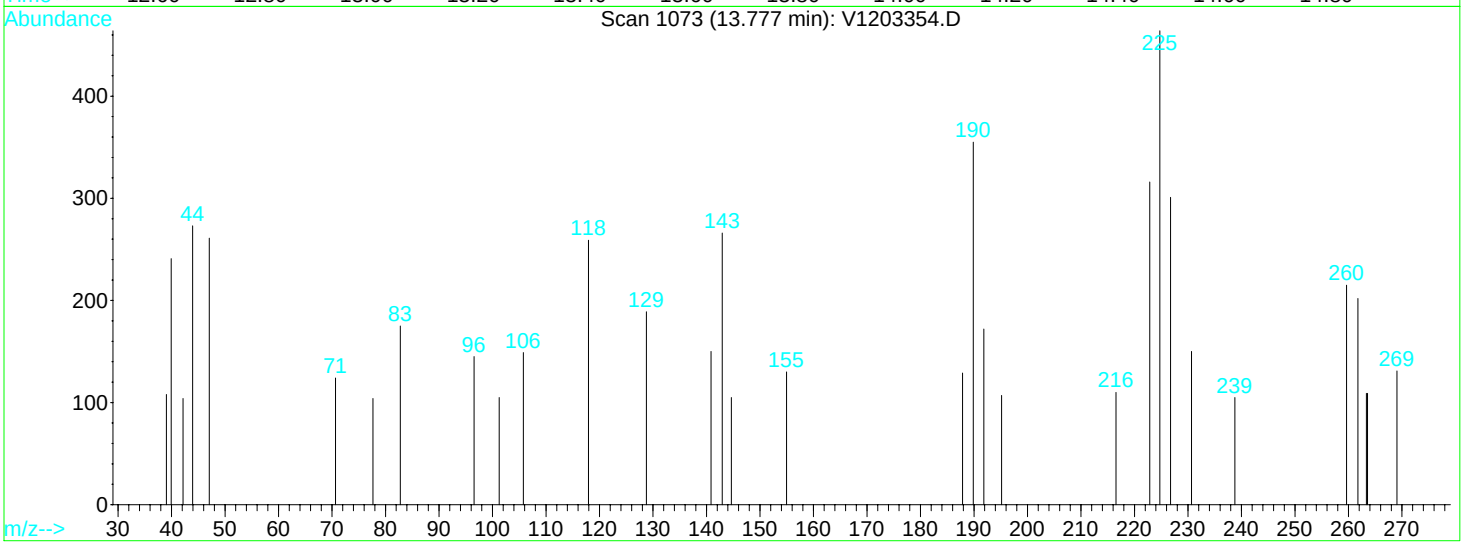
Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(80) Hexachlorobutadiene (T)

13.78min 1.48ug/L m

response 496

Ion	Exp%	Act%
224.75	100	100
222.80	62.10	0.00#
226.85	62.80	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	156400	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	254808	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.28	117	157093	50.00	ug/L		-0.01
60) 1,4-Dichlorobenzene-d4	12.26	152	81746	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	7988	5.25	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 10.50%#				
42) Toluene-d8	8.60	98	21171	4.36	ug/L		0.00
Spiked Amount 50.000			Recovery = 8.72%				
59) 4-Bromofluorobenzene	11.35	95	5380	3.98	ug/L		0.00
Spiked Amount 50.000			Recovery = 7.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	6341	5.51	ug/L		98
3) Chloromethane	1.47	50	9275	5.59	ug/L		98
4) Vinyl chloride	1.57	62	7271	5.75	ug/L		98
5) Bromomethane	1.83	94	3710	3.02	ug/L		93
6) Chloroethane	1.90	64	4230	5.24	ug/L		95
7) Trichlorofluoromethane	2.10	101	10937	5.18	ug/L		94
8) Acrolein	2.43	56	2168	8.35	ug/L		99
9) 1,1-Dichloroethene	2.53	96	8120	6.13	ug/L		84
10) Freon-113	2.55	101	6197	6.05	µg/L		96
11) Acetone	2.57	58	2759	3.95	ug/L	#	50
12) Iodomethane	2.68	142	23302	10.94	ug/L		88
13) Carbon disulfide	2.75	76	51036	11.79	ug/L		100
14) Methyl Acetate	2.89	43	16504	5.96	µg/L	#	4
15) Vinyl acetate	2.89	43	16504	11.92	ug/L	#	84
16) Methylene chloride	3.00	84	12663	2.62	ug/L	#	74
17) Acrylonitrile	3.26	53	8805	11.35	ug/L		98
18) Methyl tert-butyl ether	3.32	73	23195	5.24	µg/L	#	83
19) trans-1,2-Dichloroethene	3.31	96	9256	5.86	ug/L		91
20) 1,1-Dichloroethane	3.83	63	18420	5.50	ug/L		93
21) 2,2-Dichloropropane	4.70	77	6925	5.36	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	8272	4.95	ug/L		89
23) 2-Butanone	4.75	72	2037	8.78	ug/L	#	12
24) Bromochloromethane	5.07	128	4028	5.18	ug/L	#	56
25) Chloroform	5.21	83	17542	6.39	ug/L		100
26) Cyclohexane	5.56	56	16154	6.09	µg/L	#	73
27) 1,1,1-Trichloroethane	5.47	97	10027	5.22	ug/L		96
30) 1,1-Dichloropropene	5.72	110	3485	4.97	ug/L		96
31) Carbon tetrachloride	5.72	119	7417	4.65	ug/L		96
32) Benzene	6.02	78	32435	4.90	ug/L		95
33) 1,2-Dichloroethane	6.04	62	11010	4.91	ug/L		93
34) Trichloroethene	6.95	130	5883	4.00	ug/L	#	80
35) Methylcyclohexane	7.21	55	5424	3.97	µg/L	#	93
36) 1,2-Dichloropropane	7.25	63	9083	5.25	ug/L	#	100
37) Dibromomethane	7.40	93	4412	4.83	ug/L		88
38) Bromodichloromethane	7.65	83	7688	4.68	ug/L	#	90
39) 2-Chloroethyl vinyl ether	8.09	63	10127	6.85	µg/L	#	100
40) cis-1,3-Dichloropropene	8.24	75	8508	4.17	ug/L		95
41) 4-Methyl-2-pentanone	8.48	43	14056	8.14	ug/L	#	92
43) Toluene	8.68	92	15574	4.45	ug/L		93
44) trans-1,3-Dichloropropene	8.99	75	5802	7.30	ug/L		93
45) 1,1,2-Trichloroethane	9.21	83	4739	4.87	ug/L		97
47) 2-Hexanone	9.54	43	7689	7.20	ug/L	#	72
48) Tetrachloroethene	9.39	166	5087	5.10	ug/L		90
49) 1,3-Dichloropropane	9.41	76	4802	4.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

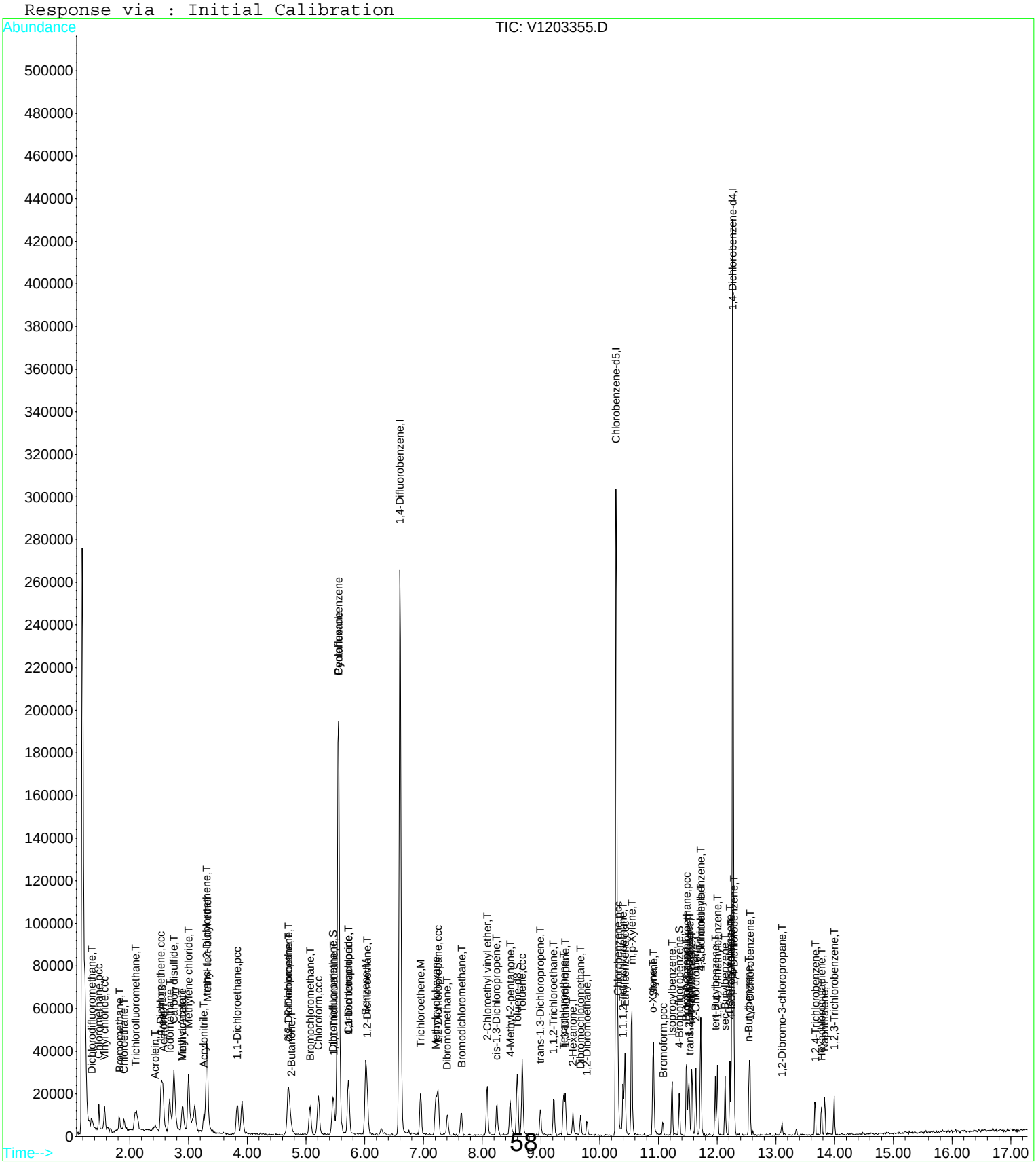
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	4663	4.80	ug/L		98
51)	1,2-Dibromoethane	9.78	107	4644	4.82	ug/L	#	95
52)	Chlorobenzene	10.31	112	15424	4.82	ug/L		89
53)	1,1,1,2-Tetrachloroethane	10.40	131	4169	4.52	ug/L	#	71
54)	Ethylbenzene	10.43	91	21327	4.33	ug/L		98
55)	m,p-Xylene	10.55	91	33303	8.90	ug/L		98
56)	o-Xylene	10.90	91	14922	3.97	ug/L		91
57)	Styrene	10.92	104	13076	4.13	ug/L		95
58)	Bromoform	11.08	173	2958	4.47	ug/L	#	95
61)	Bromobenzene	11.47	156	5267	4.78	ug/L	#	65
62)	1,1,2,2-Tetrachloroethane	11.48	83	7091	5.45	ug/L	#	96
63)	1,2,3-Trichloropropane	11.52	75	9209	4.54	ug/L	#	1
64)	Isopropylbenzene	11.24	105	13690	3.85	ug/L		98
65)	n-Propylbenzene	11.57	91	20077	4.33	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	623m	15.82	ug/L		
67)	2-Chlorotoluene	11.64	91	13547	4.49	ug/L		97
68)	4-Chlorotoluene	11.72	91	15652	4.41	ug/L		91
69)	1,3,5-Trimethylbenzene	11.72	105	12881	4.25	ug/L		100
70)	tert-Butylbenzene	11.97	119	10269	6.76	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	12420	3.82	ug/L		86
72)	sec-Butylbenzene	12.13	105	12443	3.83	ug/L		97
73)	1,3-Dichlorobenzene	12.22	146	10012	5.11	ug/L		98
74)	4-Isopropyltoluene	12.24	119	11677	3.96	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	11618	5.35	ug/L	#	93
76)	1,2-Dichlorobenzene	12.56	146	9720	4.90	ug/L		95
77)	n-Butylbenzene	12.54	91	9530	5.99	ug/L		95
78)	1,2-Dibromo-3-chloropropan	13.10	75	989	4.56	ug/L	#	1
79)	1,2,4-Trichlorobenzene	13.67	180	4133	4.24	ug/L		95
80)	Hexachlorobutadiene	13.78	225	1981	5.28	ug/L		92
81)	Naphthalene	13.83	128	10464	6.33	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	3539	3.80	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

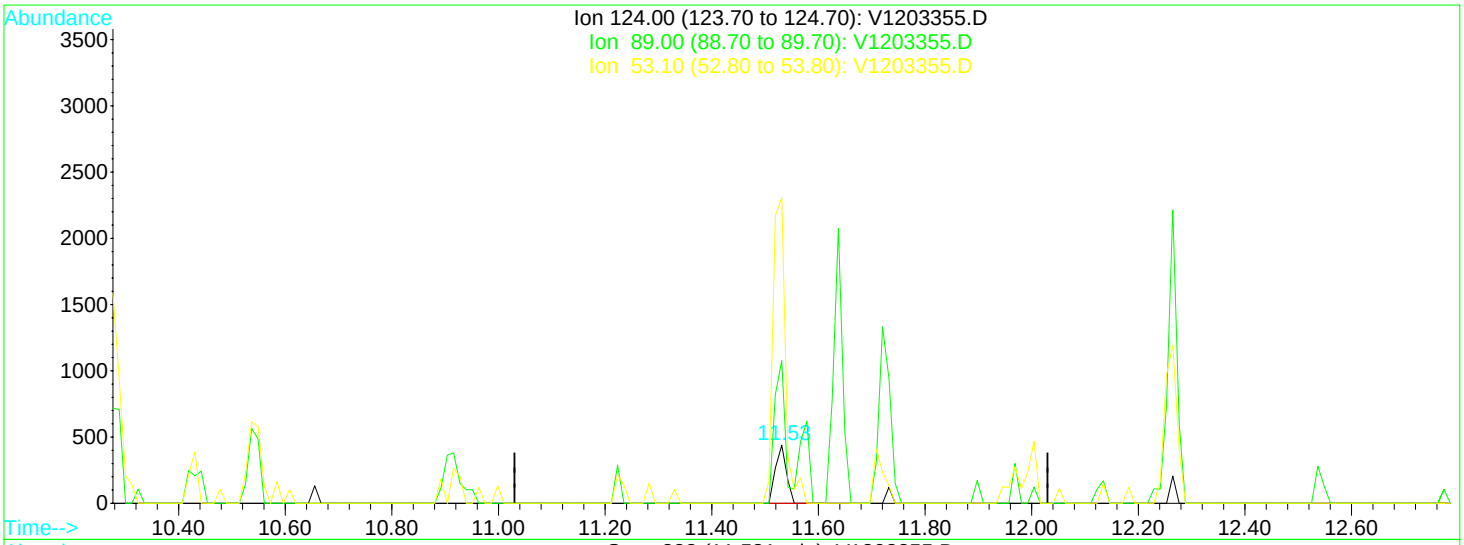
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

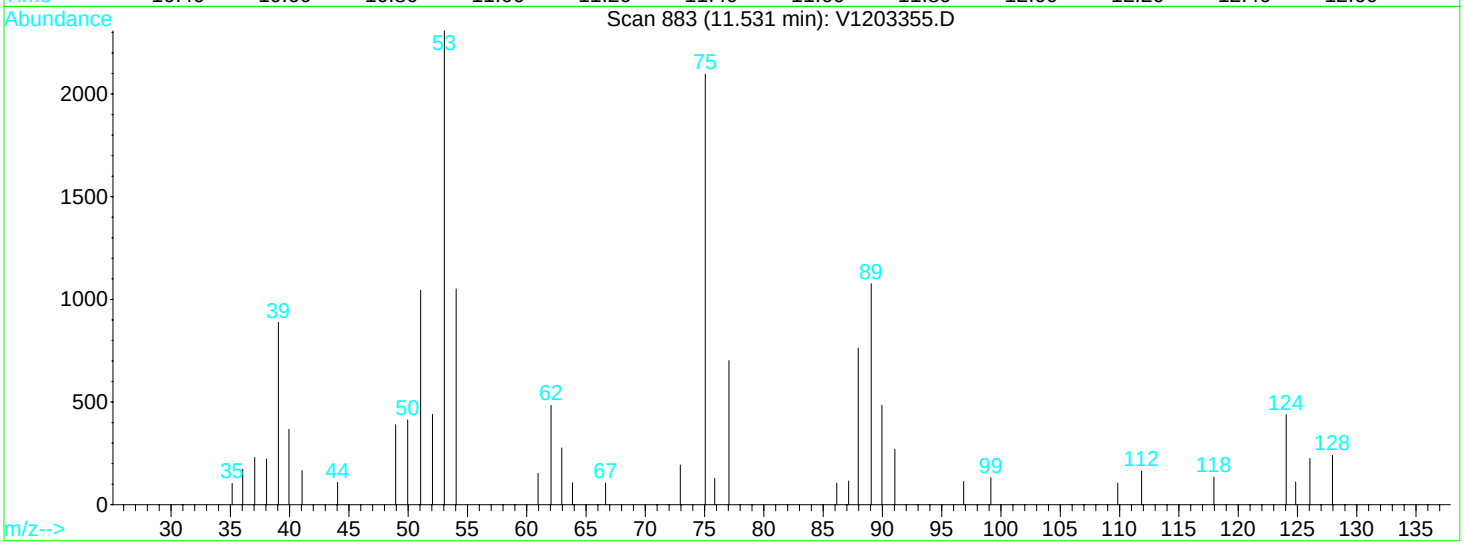


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203355.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 15.82ug/L m

response 623

Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	132072	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	212604	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	151408	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	84203	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	12709	10.00	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 20.00%#				
42) Toluene-d8	8.60	98	42325	10.45	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.90%				
59) 4-Bromofluorobenzene	11.35	95	13171	10.10	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	9711	9.99	ug/L		98
3) Chloromethane	1.47	50	16317	11.66	ug/L		92
4) Vinyl chloride	1.57	62	11374	10.66	ug/L		93
5) Bromomethane	1.82	94	6485	11.66	ug/L		94
6) Chloroethane	1.90	64	7731	11.35	ug/L		100
7) Trichlorofluoromethane	2.10	101	17881	10.03	ug/L		98
8) Acrolein	2.43	56	3411	18.60	ug/L		90
9) 1,1-Dichloroethene	2.54	96	10621	9.50	ug/L	#	56
10) Freon-113	2.55	101	8806	10.19	µg/L	#	84
11) Acetone	2.57	58	5101	23.07	ug/L	#	30
12) Iodomethane	2.68	142	37004	20.58	ug/L		89
13) Carbon disulfide	2.75	76	76458	20.92	ug/L		100
14) Methyl Acetate	2.89	43	24944	10.67	µg/L	#	4
15) Vinyl acetate	2.89	43	24944	21.34	ug/L	#	83
16) Methylene chloride	3.00	84	16142	7.57	ug/L	#	74
17) Acrylonitrile	3.27	53	14543	22.19	ug/L		96
18) Methyl tert-butyl ether	3.32	73	36814	9.85	µg/L	#	83
19) trans-1,2-Dichloroethene	3.32	96	13330	9.99	ug/L		90
20) 1,1-Dichloroethane	3.84	63	28920	10.23	ug/L		96
21) 2,2-Dichloropropane	4.70	77	10969	10.05	ug/L		95
22) cis-1,2-Dichloroethene	4.70	96	13388	9.48	ug/L		89
23) 2-Butanone	4.75	72	4662	23.78	ug/L		72
24) Bromochloromethane	5.07	128	6391	9.73	ug/L	#	61
25) Chloroform	5.21	83	25309	10.92	ug/L		89
26) Cyclohexane	5.56	56	22659	10.12	µg/L	#	82
27) 1,1,1-Trichloroethane	5.49	97	15729	9.69	ug/L		91
30) 1,1-Dichloropropene	5.73	110	4992	8.53	ug/L		93
31) Carbon tetrachloride	5.72	119	11694	8.80	ug/L		95
32) Benzene	6.02	78	54589	9.88	ug/L		100
33) 1,2-Dichloroethane	6.05	62	18561	9.91	ug/L		99
34) Trichloroethene	6.95	130	11352	9.25	ug/L		85
35) Methylcyclohexane	7.21	55	8973	7.88	µg/L		88
36) 1,2-Dichloropropane	7.25	63	14693	10.18	ug/L	#	100
37) Dibromomethane	7.40	93	7391	9.69	ug/L		95
38) Bromodichloromethane	7.65	83	12177	8.88	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	22049	17.87	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	16122	9.46	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	27755	19.27	ug/L		90
43) Toluene	8.68	92	28847	9.88	ug/L		90
44) trans-1,3-Dichloropropene	8.99	75	11887	11.37	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	8483	10.45	ug/L		97
47) 2-Hexanone	9.54	43	18800	18.27	ug/L		85
48) Tetrachloroethene	9.39	166	9087	9.45	ug/L		92
49) 1,3-Dichloropropane	9.41	76	17263	9.60	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

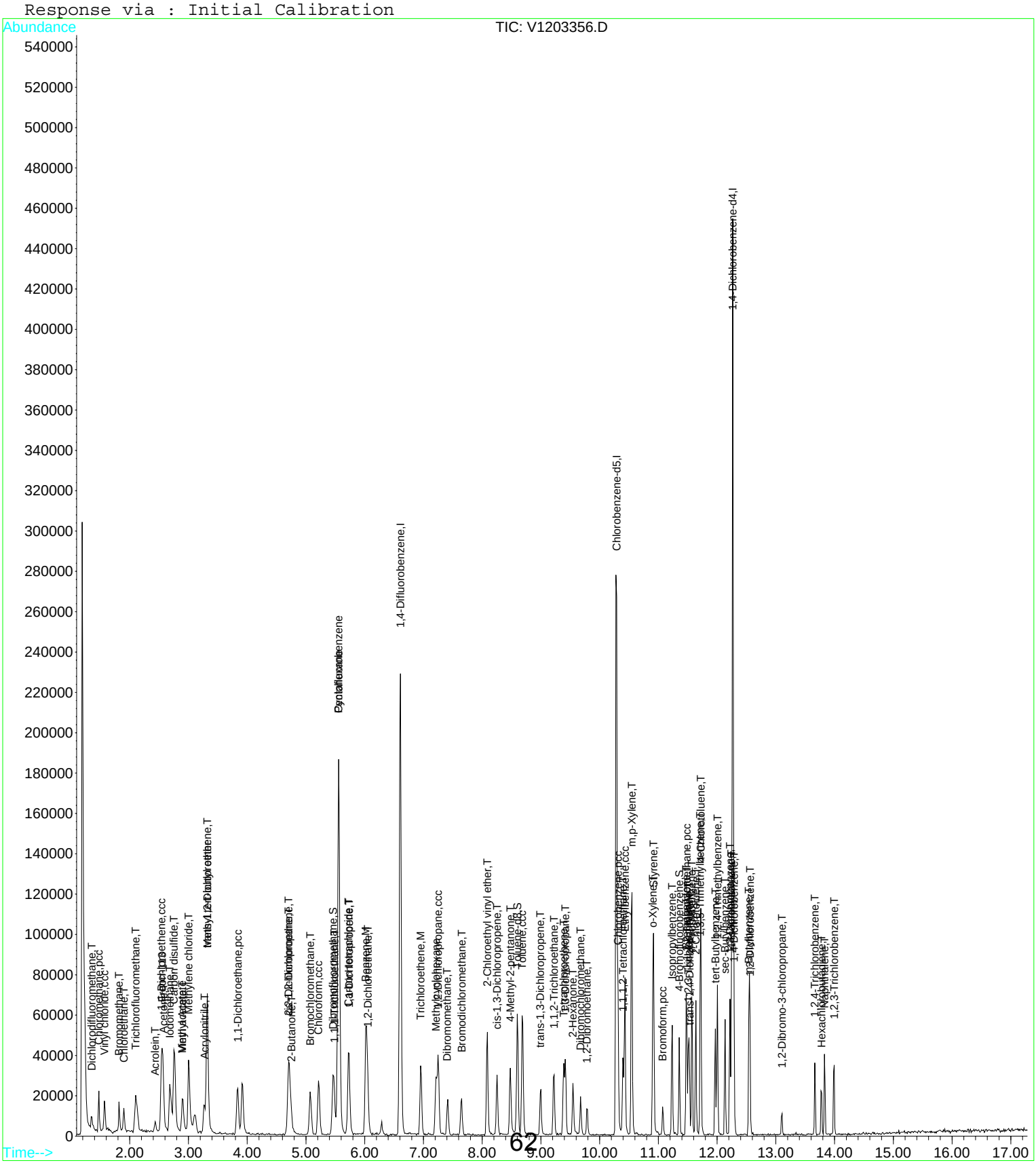
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	8786	9.38	ug/L		92
51)	1,2-Dibromoethane	9.78	107	9084	9.78	ug/L	#	93
52)	Chlorobenzene	10.31	112	30653	9.95	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.40	131	8042	9.05	ug/L		89
54)	Ethylbenzene	10.43	91	44802	9.45	ug/L		96
55)	m,p-Xylene	10.55	91	66483	18.44	ug/L		98
56)	o-Xylene	10.91	91	31842	8.78	ug/L		96
57)	Styrene	10.92	104	27821	9.11	ug/L		95
58)	Bromoform	11.07	173	5365	8.42	ug/L	#	94
61)	Bromobenzene	11.47	156	11436	10.07	ug/L	#	67
62)	1,1,2,2-Tetrachloroethane	11.48	83	13079	9.76	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	18342	8.78	ug/L	#	1
64)	Isopropylbenzene	11.24	105	29722	8.12	ug/L		99
65)	n-Propylbenzene	11.57	91	44215	9.26	ug/L		91
66)	trans-1,4-Dichloro-2-buten	11.53	124	944	18.86	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	29605	9.52	ug/L		90
68)	4-Chlorotoluene	11.72	91	35591	9.74	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	26011	8.33	ug/L		98
70)	tert-Butylbenzene	11.97	119	21732	10.19	ug/L		90
71)	1,2,4-Trimethylbenzene	12.01	105	28820	8.61	ug/L		90
72)	sec-Butylbenzene	12.14	105	27233	8.14	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	18690	9.26	ug/L		94
74)	4-Isopropyltoluene	12.24	119	25312	8.34	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	20611	9.21	ug/L		89
76)	1,2-Dichlorobenzene	12.56	146	20809	10.18	ug/L		94
77)	n-Butylbenzene	12.54	91	20946	9.68	ug/L		94
78)	1,2-Dibromo-3-chloropropan	13.11	75	2097	9.38	ug/L		87
79)	1,2,4-Trichlorobenzene	13.66	180	7770	7.74	ug/L		93
80)	Hexachlorobutadiene	13.78	225	3610	9.35	ug/L		94
81)	Naphthalene	13.83	128	21936	9.32	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	9444	9.83	ug/L		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	148795	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	225797	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	156850	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	88903	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	25268	18.72	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 37.44%#				
42) Toluene-d8	8.60	98	88198	20.50	ug/L		0.00
Spiked Amount 50.000			Recovery = 41.00%				
59) 4-Bromofluorobenzene	11.35	95	26512	19.62	ug/L		0.00
Spiked Amount 50.000			Recovery = 39.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	20401	18.63	ug/L		98
3) Chloromethane	1.47	50	30979	19.64	ug/L		100
4) Vinyl chloride	1.57	62	23833	19.82	ug/L		100
5) Bromomethane	1.82	94	10458	18.87	ug/L		97
6) Chloroethane	1.90	64	13851	18.05	ug/L		94
7) Trichlorofluoromethane	2.10	101	36644	18.25	ug/L		99
8) Acrolein	2.43	56	7937	42.18	ug/L		94
9) 1,1-Dichloroethene	2.54	96	26281	20.86	ug/L		80
10) Freon-113	2.56	101	20005	20.54	µg/L		90
11) Acetone	2.57	58	9466	45.83	ug/L	#	18
12) Iodomethane	2.68	142	80950	39.95	ug/L		88
13) Carbon disulfide	2.75	76	169260	41.10	ug/L		100
14) Methyl Acetate	2.89	43	56754	21.55	µg/L	#	5
15) Vinyl acetate	2.89	43	56754	43.09	ug/L	#	87
16) Methylene chloride	3.00	84	33415	19.85	ug/L	#	73
17) Acrylonitrile	3.26	53	31220	42.28	ug/L		98
18) Methyl tert-butyl ether	3.32	73	85818	20.38	µg/L	#	87
19) trans-1,2-Dichloroethene	3.32	96	29780	19.81	ug/L		87
20) 1,1-Dichloroethane	3.83	63	63232	19.85	ug/L		99
21) 2,2-Dichloropropane	4.70	77	25602	20.82	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	31475	19.78	ug/L		95
23) 2-Butanone	4.74	72	9673	43.80	ug/L	#	25
24) Bromochloromethane	5.07	128	15849	21.42	ug/L	#	64
25) Chloroform	5.21	83	50349	19.28	ug/L		95
26) Cyclohexane	5.55	56	49724	19.71	µg/L	#	91
27) 1,1,1-Trichloroethane	5.47	97	36401	19.91	ug/L		92
30) 1,1-Dichloropropene	5.73	110	12470	20.06	ug/L		95
31) Carbon tetrachloride	5.72	119	27660	19.59	ug/L		96
32) Benzene	6.02	78	122968	20.95	ug/L		98
33) 1,2-Dichloroethane	6.05	62	41096	20.67	ug/L		96
34) Trichloroethene	6.95	130	26414	20.26	ug/L		87
35) Methylcyclohexane	7.21	55	24953	20.62	µg/L		99
36) 1,2-Dichloropropane	7.25	63	32688	21.32	ug/L	#	100
37) Dibromomethane	7.41	93	16819	20.76	ug/L		90
38) Bromodichloromethane	7.65	83	30710	21.10	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	55747	42.55	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	35926	19.85	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	70389	46.02	ug/L	#	90
43) Toluene	8.69	92	66594	21.47	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	29731	20.67	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	17863	20.72	ug/L		97
47) 2-Hexanone	9.54	43	44103	41.36	ug/L		92
48) Tetrachloroethene	9.39	166	19386	19.46	ug/L		87
49) 1,3-Dichloropropane	9.41	76	40256	21.61	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

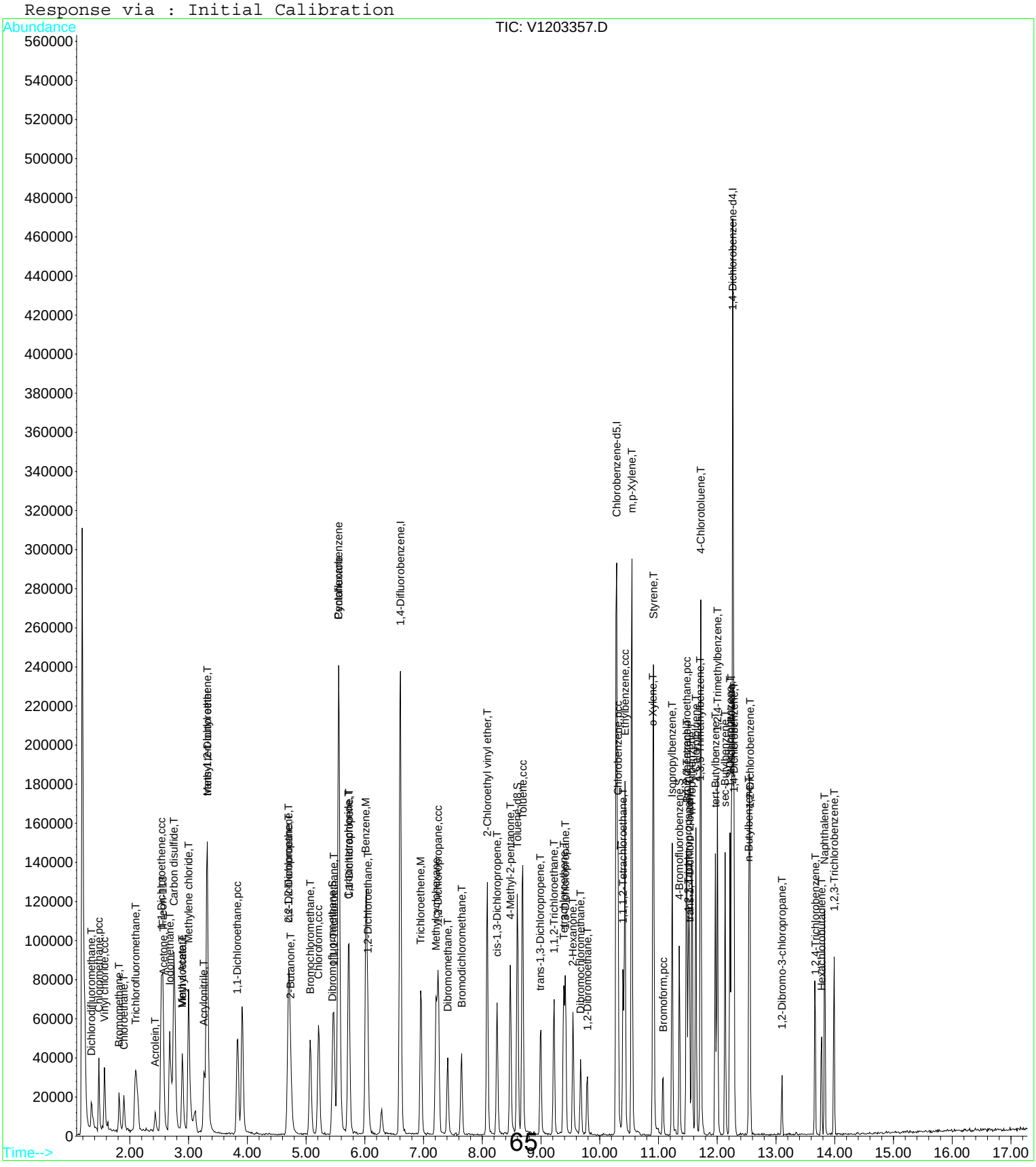
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	18755	19.32	ug/L		98
51)	1,2-Dibromoethane	9.79	107	20347	21.14	ug/L	#	96
52)	Chlorobenzene	10.31	112	64205	20.11	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.39	131	17672	19.19	ug/L		87
54)	Ethylbenzene	10.43	91	100224	20.40	ug/L		99
55)	m,p-Xylene	10.55	91	160807	43.05	ug/L		97
56)	o-Xylene	10.90	91	74453	19.82	ug/L		98
57)	Styrene	10.91	104	65202	20.61	ug/L		99
58)	Bromoform	11.08	173	13011	19.70	ug/L		99
61)	Bromobenzene	11.48	156	23053	19.23	ug/L	#	50
62)	1,1,2,2-Tetrachloroethane	11.48	83	27924	19.73	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	44130	20.00	ug/L	#	1
64)	Isopropylbenzene	11.23	105	74724	19.33	ug/L		97
65)	n-Propylbenzene	11.57	91	104156	20.65	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	3061	38.49	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	67412	20.52	ug/L		96
68)	4-Chlorotoluene	11.72	91	77132	19.99	ug/L		100
69)	1,3,5-Trimethylbenzene	11.71	105	64734	19.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	57870	20.34	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	70652	20.00	ug/L		91
72)	sec-Butylbenzene	12.13	105	68858	19.49	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	45002	21.11	ug/L		95
74)	4-Isopropyltoluene	12.24	119	64948	20.26	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	46029	19.48	ug/L		92
76)	1,2-Dichlorobenzene	12.56	146	44413	20.58	ug/L		96
77)	n-Butylbenzene	12.54	91	52601	19.28	ug/L		96
78)	1,2-Dibromo-3-chloropropan	13.10	75	5048	21.39	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	19237	18.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	7805	19.15	ug/L		95
81)	Naphthalene	13.83	128	64278	19.74	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	19713	19.44	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	192935	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	294387	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	177255	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	96814	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51006	28.99	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 57.98%#				
42) Toluene-d8	8.59	98	161460	28.79	ug/L		0.00
Spiked Amount 50.000			Recovery = 57.58%				
59) 4-Bromofluorobenzene	11.35	95	45379	29.72	ug/L		0.00
Spiked Amount 50.000			Recovery = 59.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	44629	31.43	ug/L		98
3) Chloromethane	1.47	50	67808	33.16	ug/L		94
4) Vinyl chloride	1.57	62	53943	34.60	ug/L		99
5) Bromomethane	1.83	94	22183	34.08	ug/L		98
6) Chloroethane	1.90	64	32261	32.42	ug/L		99
7) Trichlorofluoromethane	2.10	101	80285	30.83	ug/L		98
8) Acrolein	2.43	56	17780	75.45	ug/L		96
9) 1,1-Dichloroethene	2.54	96	55458	33.95	ug/L		70
10) Freon-113	2.55	101	38797	30.72	µg/L		89
11) Acetone	2.57	58	15225	59.77	ug/L		57
12) Iodomethane	2.68	142	176144	67.05	ug/L		90
13) Carbon disulfide	2.75	76	369827	69.27	ug/L		100
14) Methyl Acetate	2.89	43	109044	31.93	µg/L	#	6
15) Vinyl acetate	2.89	43	109044	63.85	ug/L		88
16) Methylene chloride	3.00	84	68782	35.68	ug/L	#	75
17) Acrylonitrile	3.26	53	60965	63.68	ug/L		97
18) Methyl tert-butyl ether	3.32	73	167982	30.77	µg/L	#	86
19) trans-1,2-Dichloroethene	3.31	96	66235	33.99	ug/L		89
20) 1,1-Dichloroethane	3.83	63	125541	30.40	ug/L		98
21) 2,2-Dichloropropane	4.70	77	52664	33.04	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	63116	30.60	ug/L		90
23) 2-Butanone	4.74	72	15186	53.03	ug/L	#	17
24) Bromochloromethane	5.07	128	29556	30.80	ug/L	#	62
25) Chloroform	5.21	83	99600	29.42	ug/L		98
26) Cyclohexane	5.55	56	98315	30.05	µg/L		94
27) 1,1,1-Trichloroethane	5.47	97	74404	31.38	ug/L		96
30) 1,1-Dichloropropene	5.72	110	24125	29.77	ug/L		92
31) Carbon tetrachloride	5.72	119	52780	28.67	ug/L		96
32) Benzene	6.02	78	239346	31.27	ug/L		100
33) 1,2-Dichloroethane	6.05	62	76791	29.62	ug/L		97
34) Trichloroethene	6.95	130	49818	29.31	ug/L		90
35) Methylcyclohexane	7.21	55	48234	30.58	µg/L		95
36) 1,2-Dichloropropane	7.25	63	59047	29.54	ug/L	#	100
37) Dibromomethane	7.40	93	28230	26.72	ug/L		92
38) Bromodichloromethane	7.64	83	53868	28.38	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	99142	58.04	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	68794	29.16	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	118910	59.63	ug/L	#	90
43) Toluene	8.68	92	120755	29.86	ug/L		95
44) trans-1,3-Dichloropropene	8.99	75	53054	26.62	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	30809	27.41	ug/L		96
47) 2-Hexanone	9.54	43	72176	59.90	ug/L		86
48) Tetrachloroethene	9.39	166	35272	31.33	ug/L		89
49) 1,3-Dichloropropane	9.41	76	66615	31.65	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203358.D VW052704.M Fri May 28 11:06:36 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

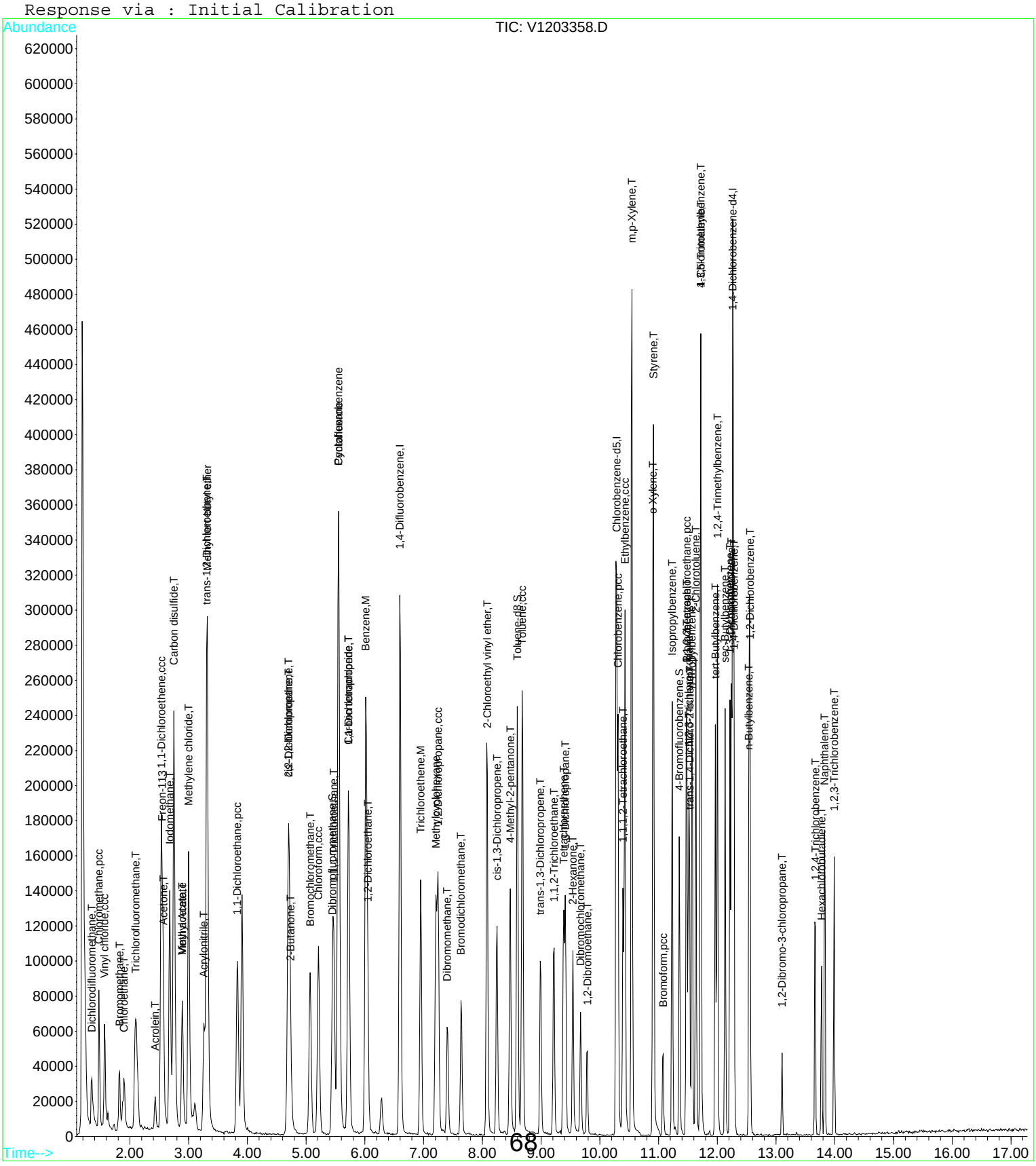
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	33196	30.26	ug/L		100
51)	1,2-Dibromoethane	9.79	107	32982	30.33	ug/L	#	99
52)	Chlorobenzene	10.31	112	106348	29.48	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	31600	30.37	ug/L		93
54)	Ethylbenzene	10.43	91	175566	31.62	ug/L		96
55)	m,p-Xylene	10.55	91	270091	63.98	ug/L		97
56)	o-Xylene	10.90	91	130247	30.68	ug/L		97
57)	Styrene	10.91	104	109633	30.66	ug/L		98
58)	Bromoform	11.08	173	22629	30.32	ug/L		98
61)	Bromobenzene	11.48	156	40238	30.82	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.48	83	45968	29.83	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	76122	31.67	ug/L	#	1
64)	Isopropylbenzene	11.23	105	130187	30.92	ug/L		99
65)	n-Propylbenzene	11.56	91	177871	32.38	ug/L		93
66)	trans-1,4-Dichloro-2-buten	11.53	124	5608	58.36	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	116240	32.49	ug/L		95
68)	4-Chlorotoluene	11.72	91	132500	31.53	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	110779	30.86	ug/L		99
70)	tert-Butylbenzene	11.97	119	95812	29.09	ug/L		92
71)	1,2,4-Trimethylbenzene	12.00	105	120180	31.24	ug/L		90
72)	sec-Butylbenzene	12.13	105	118540	30.82	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	71353	30.74	ug/L		96
74)	4-Isopropyltoluene	12.24	119	105404	30.20	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	77438	30.10	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	73434	31.25	ug/L		97
77)	n-Butylbenzene	12.54	91	94806	30.12	ug/L		97
78)	1,2-Dibromo-3-chloropropan	13.10	75	8151	31.71	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	34475	29.87	ug/L		95
80)	Hexachlorobutadiene	13.78	225	13452	30.30	ug/L		96
81)	Naphthalene	13.82	128	108027	28.59	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	33510	30.34	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	170208	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	249305	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.28	117	175685	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	96954	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	69542	46.67	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 93.34%				
42) Toluene-d8	8.60	98	241314	50.81	ug/L		0.00
Spiked Amount 50.000			Recovery = 101.62%				
59) 4-Bromofluorobenzene	11.36	95	77709	51.35	ug/L		0.00
Spiked Amount 50.000			Recovery = 102.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	64815	51.75	ug/L		99
3) Chloromethane	1.47	50	87991	48.77	ug/L		96
4) Vinyl chloride	1.57	62	69735	50.70	ug/L		100
5) Bromomethane	1.82	94	23686	42.32	ug/L		97
6) Chloroethane	1.90	64	32546	37.08	ug/L		100
7) Trichlorofluoromethane	2.10	101	113552	49.43	ug/L		96
8) Acrolein	2.43	56	20992	102.17	ug/L		96
9) 1,1-Dichloroethene	2.53	96	69638	48.33	ug/L		72
10) Freon-113	2.55	101	52354	46.99	µg/L		88
11) Acetone	2.56	58	27108	132.96	ug/L	#	44
12) Iodomethane	2.68	142	219470	94.69	ug/L		88
13) Carbon disulfide	2.75	76	447933	95.10	ug/L		100
14) Methyl Acetate	2.89	43	136921	45.44	µg/L	#	7
15) Vinyl acetate	2.89	43	136921	90.89	ug/L		89
16) Methylene chloride	3.00	84	81868	50.61	ug/L	#	73
17) Acrylonitrile	3.26	53	81056	95.97	ug/L		99
18) Methyl tert-butyl ether	3.32	73	231995	48.17	µg/L	#	89
19) trans-1,2-Dichloroethene	3.31	96	82739	48.12	ug/L		92
20) 1,1-Dichloroethane	3.83	63	167814	46.06	ug/L		98
21) 2,2-Dichloropropane	4.71	77	66474	47.27	ug/L		99
22) cis-1,2-Dichloroethene	4.71	96	86985	47.80	ug/L		92
23) 2-Butanone	4.74	72	24862	98.41	ug/L	#	24
24) Bromochloromethane	5.07	128	39882	47.11	ug/L	#	64
25) Chloroform	5.21	83	134355	44.98	ug/L		100
26) Cyclohexane	5.56	56	130857	45.34	µg/L		96
27) 1,1,1-Trichloroethane	5.47	97	101291	48.43	ug/L		95
30) 1,1-Dichloropropene	5.72	110	33890	49.39	ug/L		95
31) Carbon tetrachloride	5.72	119	77815	49.92	ug/L		99
32) Benzene	6.02	78	328076	50.62	ug/L		100
33) 1,2-Dichloroethane	6.04	62	107454	48.95	ug/L		96
34) Trichloroethene	6.95	130	69691	48.42	ug/L		91
35) Methylcyclohexane	7.21	55	68874	51.56	µg/L		93
36) 1,2-Dichloropropane	7.25	63	85592	50.56	ug/L	#	100
37) Dibromomethane	7.40	93	45946	51.36	ug/L		90
38) Bromodichloromethane	7.64	83	80066	49.82	ug/L		99
39) 2-Chloroethyl vinyl ether	8.08	63	155986	107.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.26	75	107286	53.69	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	184918	109.50	ug/L		92
43) Toluene	8.68	92	180433	52.69	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	91935	49.76	ug/L		96
45) 1,1,2-Trichloroethane	9.21	83	48758	51.22	ug/L		98
47) 2-Hexanone	9.54	43	129187	108.17	ug/L		89
48) Tetrachloroethene	9.39	166	54728	49.05	ug/L		93
49) 1,3-Dichloropropane	9.41	76	103059	49.40	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203359.D VW052704.M Fri May 28 11:06:56 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

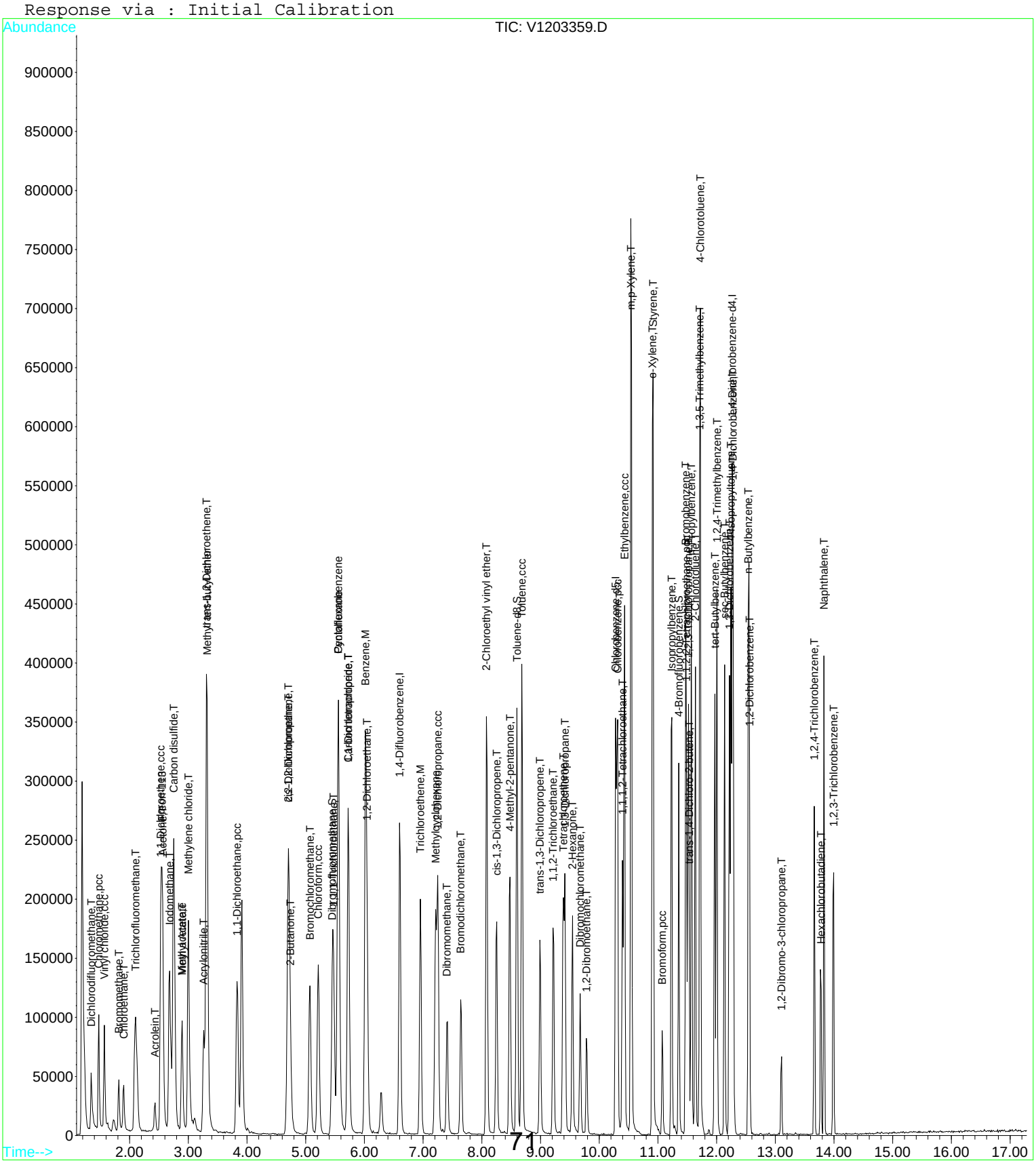
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.68	129	55605	51.14	ug/L		99
51)	1,2-Dibromoethane	9.78	107	54577	50.64	ug/L	#	98
52)	Chlorobenzene	10.31	112	170870	47.79	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.40	131	53771	52.14	ug/L		98
54)	Ethylbenzene	10.43	91	284662	51.73	ug/L		96
55)	m,p-Xylene	10.54	91	435591	104.11	ug/L		97
56)	o-Xylene	10.91	91	216466	51.44	ug/L		96
57)	Styrene	10.92	104	184881	52.16	ug/L		100
58)	Bromoform	11.07	173	36748	49.68	ug/L		98
61)	Bromobenzene	11.47	156	68396	52.31	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.49	83	80518	52.17	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	125218	52.03	ug/L	#	57
64)	Isopropylbenzene	11.24	105	224450	53.23	ug/L		98
65)	n-Propylbenzene	11.57	91	292276	53.13	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	10674	102.48	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	184984	51.64	ug/L		98
68)	4-Chlorotoluene	11.72	91	221134	52.55	ug/L		97
69)	1,3,5-Trimethylbenzene	11.71	105	185495	51.59	ug/L		99
70)	tert-Butylbenzene	11.97	119	169890	48.80	ug/L		94
71)	1,2,4-Trimethylbenzene	12.01	105	199406	51.77	ug/L		89
72)	sec-Butylbenzene	12.14	105	199478	51.79	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	121129	52.10	ug/L		96
74)	4-Isopropyltoluene	12.24	119	182588	52.24	ug/L		97
75)	1,4-Dichlorobenzene	12.28	146	125030	48.52	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	119032	50.58	ug/L		97
77)	n-Butylbenzene	12.54	91	159021	48.62	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.11	75	12688	49.30	ug/L		92
79)	1,2,4-Trichlorobenzene	13.66	180	60284	52.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	21968	49.41	ug/L		96
81)	Naphthalene	13.83	128	201920	50.37	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	58470	52.87	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	175432	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	263181	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	182883	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	103811	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	158601	100.83	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 201.66%#				
42) Toluene-d8	8.59	98	531917	106.08	ug/L		0.00
Spiked Amount 50.000			Recovery = 212.16%				
59) 4-Bromofluorobenzene	11.35	95	179320	113.83	ug/L		0.00
Spiked Amount 50.000			Recovery = 227.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	130671	101.22	ug/L		99
3) Chloromethane	1.47	50	179683	96.63	ug/L		97
4) Vinyl chloride	1.57	62	131836	93.00	ug/L		98
5) Bromomethane	1.81	94	57919	107.33	ug/L		100
6) Chloroethane	1.90	64	49814	55.06	ug/L		97
7) Trichlorofluoromethane	2.10	101	250953	105.98	ug/L		95
8) Acrolein	2.43	56	41395	198.70	ug/L		99
9) 1,1-Dichloroethene	2.54	96	145451	97.93	ug/L		69
10) Freon-113	2.55	101	106884	93.08	µg/L		89
11) Acetone	2.57	58	39442	192.68	ug/L	#	31
12) Iodomethane	2.68	142	461524	193.20	ug/L		86
13) Carbon disulfide	2.75	76	922407	189.99	ug/L		100
14) Methyl Acetate	2.89	43	274297	88.33	µg/L	#	7
15) Vinyl acetate	2.89	43	274297	176.65	ug/L		90
16) Methylene chloride	3.00	84	160199	102.46	ug/L	#	72
17) Acrylonitrile	3.27	53	163317	187.61	ug/L		99
18) Methyl tert-butyl ether	3.32	73	503542	101.45	µg/L		93
19) trans-1,2-Dichloroethene	3.32	96	167396	94.47	ug/L		87
20) 1,1-Dichloroethane	3.84	63	362811	96.61	ug/L		98
21) 2,2-Dichloropropane	4.70	77	142244	98.13	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	190910	101.78	ug/L		92
23) 2-Butanone	4.74	72	49008	188.22	ug/L	#	36
24) Bromochloromethane	5.07	128	81681	93.61	ug/L	#	58
25) Chloroform	5.21	83	283504	92.09	ug/L		97
26) Cyclohexane	5.57	56	287930	96.79	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	213528	99.06	ug/L		94
30) 1,1-Dichloropropene	5.73	110	73586	101.59	ug/L		94
31) Carbon tetrachloride	5.72	119	175985	106.94	ug/L		99
32) Benzene	6.03	78	704963	103.03	ug/L		100
33) 1,2-Dichloroethane	6.05	62	231764	100.00	ug/L		98
34) Trichloroethene	6.95	130	153037	100.71	ug/L		90
35) Methylcyclohexane	7.21	55	155744	110.44	µg/L		94
36) 1,2-Dichloropropane	7.25	63	182011	101.85	ug/L	#	100
37) Dibromomethane	7.41	93	95794	101.44	ug/L		91
38) Bromodichloromethane	7.65	83	172725	101.80	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	341820	223.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	232224	110.09	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	393317	220.63	ug/L		93
43) Toluene	8.69	92	384530	106.36	ug/L		96
44) trans-1,3-Dichloropropene	9.00	75	200733	98.10	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	104324	103.82	ug/L		99
47) 2-Hexanone	9.54	43	265078	213.23	ug/L		91
48) Tetrachloroethene	9.39	166	118836	102.32	ug/L		90
49) 1,3-Dichloropropane	9.41	76	220012	105.91	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

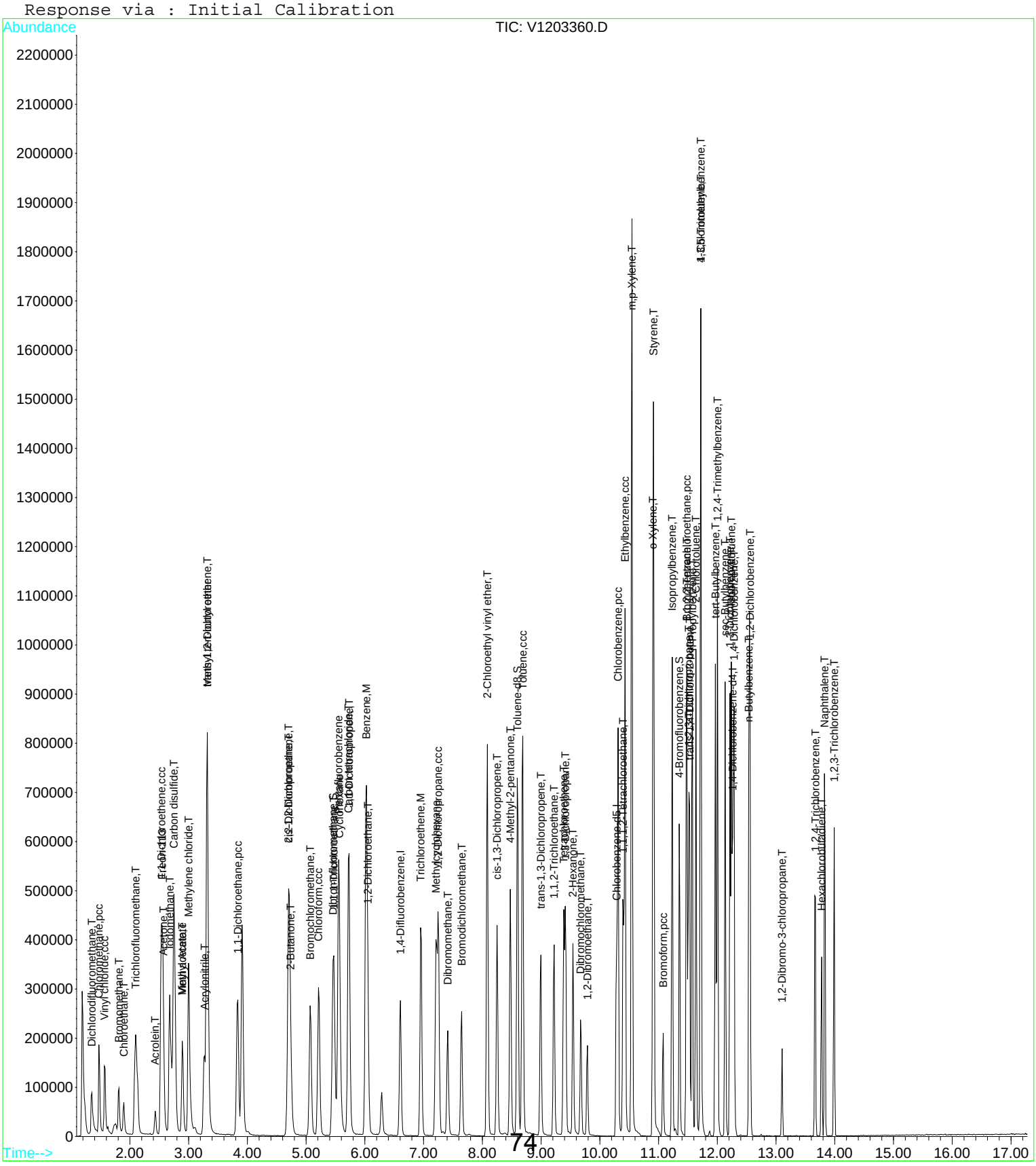
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	119913	105.95	ug/L		95
51)	1,2-Dibromoethane	9.79	107	117901	105.08	ug/L	#	98
52)	Chlorobenzene	10.31	112	377376	101.40	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	118972	110.82	ug/L		94
54)	Ethylbenzene	10.43	91	627127	109.48	ug/L		97
55)	m,p-Xylene	10.55	91	966264	221.85	ug/L		95
56)	o-Xylene	10.90	91	479059	109.36	ug/L		97
57)	Styrene	10.91	104	394184	106.84	ug/L		98
58)	Bromoform	11.08	173	84114	109.25	ug/L		99
61)	Bromobenzene	11.48	156	151617	108.29	ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	168918	102.22	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	279832	108.59	ug/L	#	1
64)	Isopropylbenzene	11.23	105	497102	110.10	ug/L		100
65)	n-Propylbenzene	11.58	91	648514	110.11	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	22704	194.34	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	416987	108.71	ug/L		98
68)	4-Chlorotoluene	11.72	91	487050	108.09	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	422094	109.64	ug/L		100
70)	tert-Butylbenzene	11.97	119	383859	99.07	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	447246	108.44	ug/L		89
72)	sec-Butylbenzene	12.13	105	456059	110.58	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	258853	103.99	ug/L		96
74)	4-Isopropyltoluene	12.24	119	408641	109.19	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	275915	100.01	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	262478	104.16	ug/L		95
77)	n-Butylbenzene	12.53	91	364589	100.99	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	30042	109.01	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	136338	110.16	ug/L		94
80)	Hexachlorobutadiene	13.78	225	50565	106.22	ug/L		99
81)	Naphthalene	13.82	128	448359	100.75	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	132950	112.27	ug/L		96

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	194113	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	287093	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	203665	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	115167	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	251118	169.57	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 339.14%#				
42) Toluene-d8	8.59	98	847124	144.38	ug/L		0.00
Spiked Amount 50.000			Recovery = 288.76%				
59) 4-Bromofluorobenzene	11.35	95	293196	159.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 319.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	220401	121.26	ug/L		99
3) Chloromethane	1.47	50	282372	83.26	ug/L		97
4) Vinyl chloride	1.57	62	210888	80.04	ug/L		99
5) Bromomethane	1.80	94	103773	94.11	ug/L		99
6) Chloroethane	1.89	64	92023	63.72	ug/L		97
7) Trichlorofluoromethane	2.10	101	412302	192.53	ug/L		97
8) Acrolein	2.43	56	55915	226.73	ug/L		99
9) 1,1-Dichloroethene	2.52	96	223123	125.92	ug/L	#	66
10) Freon-113	2.55	101	169043	119.71	µg/L	#	89
11) Acetone	2.57	58	67865	254.95	ug/L	#	20
12) Iodomethane	2.68	142	745470	294.69	ug/L	#	82
13) Carbon disulfide	2.75	76	1392310	239.79	ug/L		100
14) Methyl Acetate	2.89	43	416051	181.09	µg/L	#	8
15) Vinyl acetate	2.89	43	416051	362.16	ug/L		91
16) Methylene chloride	3.00	84	265718	126.42	ug/L		79
17) Acrylonitrile	3.26	53	249843	204.55	ug/L		98
18) Methyl tert-butyl ether	3.32	73	815759	119.40	µg/L		95
19) trans-1,2-Dichloroethene	3.31	96	266680	126.47	ug/L		88
20) 1,1-Dichloroethane	3.83	63	596508	139.59	ug/L		99
21) 2,2-Dichloropropane	4.70	77	238644	127.76	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	321475	141.33	ug/L		92
23) 2-Butanone	4.74	72	87460	296.95	ug/L	#	44
24) Bromochloromethane	5.07	128	139379	142.27	ug/L	#	65
25) Chloroform	5.21	83	474108	145.01	ug/L		100
26) Cyclohexane	5.55	56	469650	105.02	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	368827	149.01	ug/L		95
30) 1,1-Dichloropropene	5.73	110	126511	149.32	ug/L		97
31) Carbon tetrachloride	5.72	119	297817	167.09	ug/L		100
32) Benzene	6.02	78	1149342	141.60	ug/L		100
33) 1,2-Dichloroethane	6.05	62	378870	154.13	ug/L		97
34) Trichloroethene	6.95	130	267669	146.69	ug/L		92
35) Methylcyclohexane	7.21	55	256482	118.95	µg/L		94
36) 1,2-Dichloropropane	7.25	63	296594	135.45	ug/L	#	100
37) Dibromomethane	7.41	93	154334	154.82	ug/L		92
38) Bromodichloromethane	7.65	83	294974	146.83	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	550581	261.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	392102	138.87	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	634759	269.73	ug/L		94
43) Toluene	8.69	92	628207	140.79	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	339045	136.18	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	170389	131.29	ug/L		98
47) 2-Hexanone	9.54	43	452183	308.49	ug/L		90
48) Tetrachloroethene	9.39	166	201549	153.03	ug/L		94
49) 1,3-Dichloropropane	9.42	76	377460	148.49	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

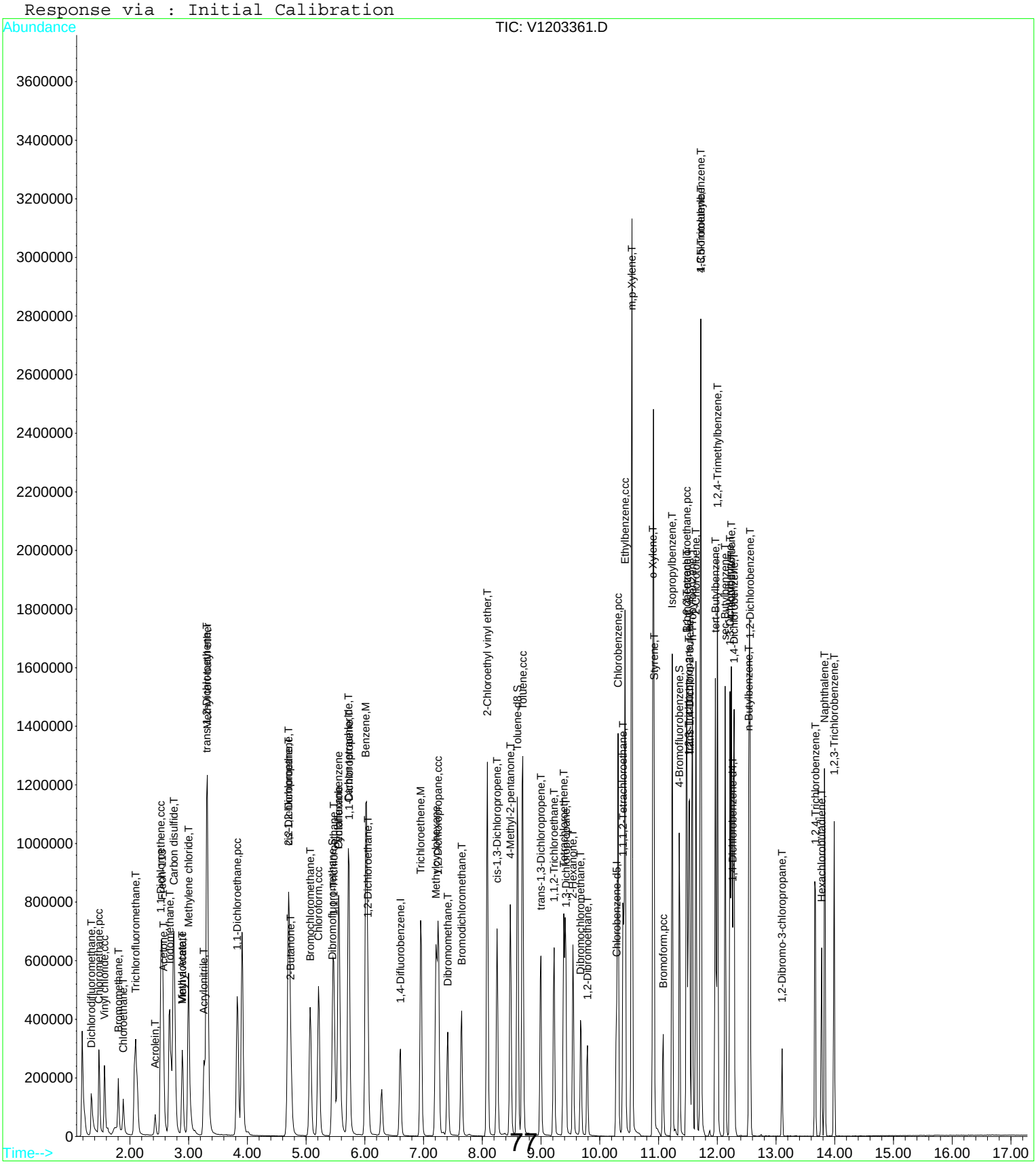
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	202378	166.33	ug/L		94
51)	1,2-Dibromoethane	9.79	107	197226	145.69	ug/L	#	100
52)	Chlorobenzene	10.31	112	617098	152.79	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	204471	158.70	ug/L		98
54)	Ethylbenzene	10.43	91	1057209	160.07	ug/L		96
55)	m,p-Xylene	10.55	91	1591596	318.74	ug/L		95
56)	o-Xylene	10.90	91	802552	156.66	ug/L		94
57)	Styrene	10.93	104	653778	143.55	ug/L		96
58)	Bromoform	11.08	173	146721	176.78	ug/L		98
61)	Bromobenzene	11.48	156	249054	139.64	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	254610	131.26	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	468417	125.33	ug/L	#	1
64)	Isopropylbenzene	11.23	105	846215	119.46	ug/L		99
65)	n-Propylbenzene	11.58	91	1081903	132.15	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	39099	239.39	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	697559	135.70	ug/L		95
68)	4-Chlorotoluene	11.72	91	812515	138.80	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	700772	124.51	ug/L		97
70)	tert-Butylbenzene	11.97	119	651628	133.80	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	759078	127.94	ug/L		90
72)	sec-Butylbenzene	12.13	105	779538	122.86	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	423200	130.40	ug/L		95
74)	4-Isopropyltoluene	12.24	119	686127	137.01	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	462417	133.98	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	428082	133.21	ug/L		96
77)	n-Butylbenzene	12.54	91	613260	140.76	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	51262	142.19	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	240989	146.98	ug/L		96
80)	Hexachlorobutadiene	13.78	225	87213	139.22	ug/L		98
81)	Naphthalene	13.83	128	752043	134.22	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	221655	142.92	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	210108	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	306958	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	217112	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	122961	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	366024	199.52	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 399.04%#				
42) Toluene-d8	8.60	98	1217413	208.17	ug/L		0.00
Spiked Amount 50.000			Recovery = 416.34%				
59) 4-Bromofluorobenzene	11.35	95	433024	231.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 463.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	320667	207.40	ug/L		98
3) Chloromethane	1.47	50	399398	179.34	ug/L		94
4) Vinyl chloride	1.57	62	300508	176.99	ug/L		99
5) Bromomethane	1.79	94	125159	197.72	ug/L		99
6) Chloroethane	1.89	64	155374	143.38	ug/L		97
7) Trichlorofluoromethane	2.09	101	586103	206.66	ug/L		97
8) Acrolein	2.43	56	68060	274.10	ug/L		99
9) 1,1-Dichloroethene	2.53	96	283803	159.55	ug/L	#	55
10) Freon-113	2.55	101	223432	162.47	µg/L	#	88
11) Acetone	2.57	58	94677	398.35	ug/L	#	1
12) Iodomethane	2.67	142	1010703	353.26	ug/L	#	79
13) Carbon disulfide	2.74	76	1811302	311.51	ug/L		100
14) Methyl Acetate	2.89	43	558319	150.11	µg/L	#	8
15) Vinyl acetate	2.89	43	558452	300.29	ug/L		93
16) Methylene chloride	3.00	84	349794	192.64	ug/L		79
17) Acrylonitrile	3.26	53	336550	322.80	ug/L		99
18) Methyl tert-butyl ether	3.32	73	1158976	194.96	µg/L		98
19) trans-1,2-Dichloroethene	3.31	96	358893	169.11	ug/L		86
20) 1,1-Dichloroethane	3.83	63	860029	191.21	ug/L		98
21) 2,2-Dichloropropane	4.70	77	346467	199.57	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	467026	207.89	ug/L		93
23) 2-Butanone	4.74	72	134348	430.81	ug/L	#	49
24) Bromochloromethane	5.07	128	203917	195.13	ug/L	#	67
25) Chloroform	5.21	83	690615	187.31	ug/L		100
26) Cyclohexane	5.55	56	682016	191.43	µg/L		99
27) 1,1,1-Trichloroethane	5.47	97	536053	207.63	ug/L		96
30) 1,1-Dichloropropene	5.72	110	176755	209.21	ug/L		93
31) Carbon tetrachloride	5.72	119	447959	233.38	ug/L		99
32) Benzene	6.02	78	1643734	205.97	ug/L		99
33) 1,2-Dichloroethane	6.05	62	556244	205.78	ug/L		98
34) Trichloroethene	6.95	130	394534	222.61	ug/L		93
35) Methylcyclohexane	7.21	55	368483	224.04	µg/L		94
36) 1,2-Dichloropropane	7.25	63	417591	200.34	ug/L	#	100
37) Dibromomethane	7.41	93	227564	206.61	ug/L		90
38) Bromodichloromethane	7.65	83	429244	216.91	ug/L		98
39) 2-Chloroethyl vinyl ether	8.09	63	777793	436.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	559807	227.55	ug/L		99
41) 4-Methyl-2-pentanone	8.48	43	888510	427.33	ug/L		95
43) Toluene	8.69	92	888065	210.61	ug/L		97
44) trans-1,3-Dichloropropene	9.00	75	493441	201.76	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	246320	210.18	ug/L		96
47) 2-Hexanone	9.54	43	647960	439.04	ug/L		91
48) Tetrachloroethene	9.39	166	279881	202.99	ug/L		93
49) 1,3-Dichloropropane	9.41	76	534333	207.24	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203362.D VW052704.M Fri May 28 11:07:49 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

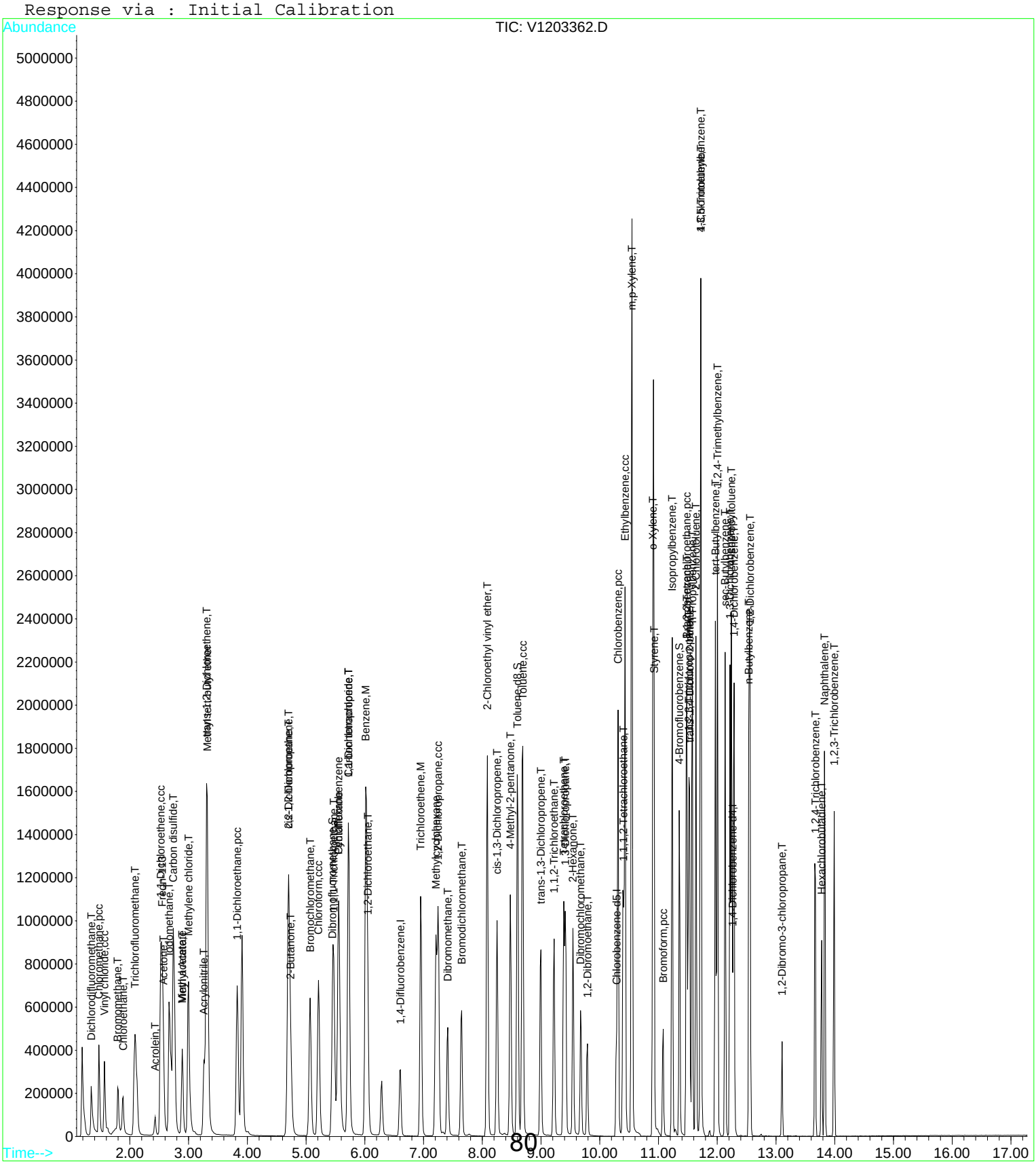
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	Dibromochloromethane	9.67	129	292400	217.63 ug/L		96
51)	1,2-Dibromoethane	9.79	107	287321	215.71 ug/L	#	99
52)	Chlorobenzene	10.31	112	877577	198.62 ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.41	131	301371	236.47 ug/L		99
54)	Ethylbenzene	10.43	91	1502586	220.95 ug/L		95
55)	m,p-Xylene	10.55	91	2222442	429.82 ug/L		93
56)	o-Xylene	10.90	91	1140613	219.32 ug/L		94
57)	Styrene	10.93	104	910596	207.89 ug/L		93
58)	Bromoform	11.08	173	215408	235.67 ug/L		97
61)	Bromobenzene	11.48	156	354061	213.50 ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	332530	169.89 ug/L		99
63)	1,2,3-Trichloropropane	11.52	75	666796	218.46 ug/L	#	1
64)	Isopropylbenzene	11.23	105	1208016	225.89 ug/L		99
65)	n-Propylbenzene	11.58	91	1553035	222.61 ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	57542	405.15 ug/L	#	100
67)	2-Chlorotoluene	11.64	91	990141	217.93 ug/L		96
68)	4-Chlorotoluene	11.72	91	1165089	218.30 ug/L		92
69)	1,3,5-Trimethylbenzene	11.72	105	989213	216.94 ug/L		98
70)	tert-Butylbenzene	11.97	119	939730	201.01 ug/L		90
71)	1,2,4-Trimethylbenzene	12.00	105	1081204	221.31 ug/L		92
72)	sec-Butylbenzene	12.13	105	1114256	228.09 ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	615190	208.65 ug/L		96
74)	4-Isopropyltoluene	12.24	119	988984	223.10 ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	636444	194.76 ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	603629	202.24 ug/L		95
77)	n-Butylbenzene	12.54	91	860854	198.61 ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	73334	224.66 ug/L		92
79)	1,2,4-Trichlorobenzene	13.67	180	340041	231.96 ug/L		96
80)	Hexachlorobutadiene	13.78	225	129848	230.29 ug/L		100
81)	Naphthalene	13.83	128	1069181	199.35 ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	317800	226.57 ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	201489	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	300401	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	204560	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	112683	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	87707	48.85	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 97.70%				
42) Toluene-d8	8.60	98	306261	53.51	ug/L		0.00
Spiked Amount 50.000			Recovery = 107.02%				
59) 4-Bromofluorobenzene	11.35	95	103453	58.71	ug/L		0.00
Spiked Amount 50.000			Recovery = 117.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	76725	51.75	ug/L		99
3) Chloromethane	1.47	50	93505	43.78	ug/L		96
4) Vinyl chloride	1.57	62	75750	46.52	ug/L		98
5) Bromomethane	1.82	94	27654	41.66	ug/L		99
6) Chloroethane	1.90	64	36239	34.87	ug/L		98
7) Trichlorofluoromethane	2.10	101	145763	53.60	ug/L		99
8) Acrolein	2.43	56	20706	84.54	ug/L		96
9) 1,1-Dichloroethene	2.54	96	81002	47.49	ug/L	#	67
10) Freon-113	2.55	101	62705	47.55	µg/L		91
11) Acetone	2.56	58	40948	173.00	ug/L	#	37
12) Iodomethane	2.68	142	261147	95.18	ug/L		86
13) Carbon disulfide	2.75	76	520461	93.34	ug/L		100
14) Methyl Acetate	2.89	43	134797	37.79	µg/L	#	7
15) Vinyl acetate	2.89	43	134797	75.58	ug/L		90
16) Methylene chloride	3.00	84	88212	45.43	ug/L	#	74
17) Acrylonitrile	3.26	53	79777	79.79	ug/L		99
18) Methyl tert-butyl ether	3.32	73	258623	45.37	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	92368	45.38	ug/L		88
20) 1,1-Dichloroethane	3.83	63	195497	45.32	ug/L		99
21) 2,2-Dichloropropane	4.70	77	92072	55.30	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	105851	49.13	ug/L		94
23) 2-Butanone	4.74	72	37403	125.07	ug/L	#	32
24) Bromochloromethane	5.07	128	46112	46.01	ug/L	#	62
25) Chloroform	5.21	83	154164	43.60	ug/L		98
26) Cyclohexane	5.55	56	166711	48.79	µg/L		97
27) 1,1,1-Trichloroethane	5.47	97	126250	50.99	ug/L		95
30) 1,1-Dichloropropene	5.72	110	44168	53.42	ug/L		96
31) Carbon tetrachloride	5.72	119	96204	51.21	ug/L		97
32) Benzene	6.02	78	386050	49.43	ug/L		99
33) 1,2-Dichloroethane	6.05	62	121934	46.09	ug/L		98
34) Trichloroethene	6.95	130	88006	50.74	ug/L		94
35) Methylcyclohexane	7.21	55	91291	56.72	µg/L		95
36) 1,2-Dichloropropane	7.25	63	94245	46.20	ug/L	#	100
37) Dibromomethane	7.41	93	50198	46.57	ug/L		89
38) Bromodichloromethane	7.65	83	93234	48.14	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	171012	98.10	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	124200	51.59	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	207775	102.11	ug/L		93
43) Toluene	8.68	92	206840	50.12	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	103459	46.77	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	52890	46.11	ug/L		99
47) 2-Hexanone	9.54	43	184202	132.47	ug/L		89
48) Tetrachloroethene	9.39	166	66451	51.15	ug/L		91
49) 1,3-Dichloropropane	9.41	76	120175	49.47	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

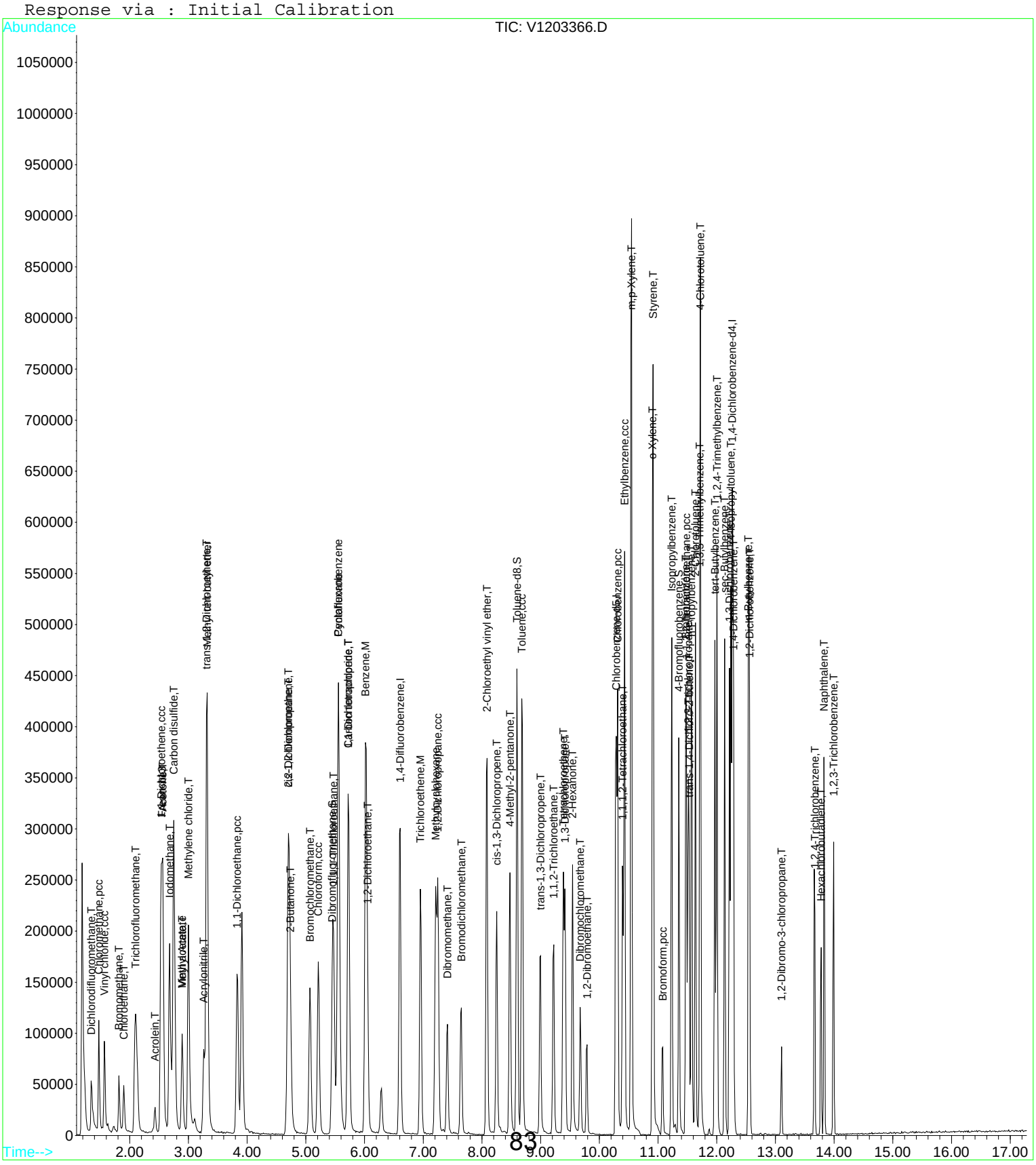
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	60302	47.64	ug/L		99
51)	1,2-Dibromoethane	9.79	107	60472	48.19	ug/L	#	98
52)	Chlorobenzene	10.31	112	199386	47.90	ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.39	131	58442	48.67	ug/L		92
54)	Ethylbenzene	10.43	91	332996	51.97	ug/L		96
55)	m,p-Xylene	10.55	91	516037	105.92	ug/L		97
56)	o-Xylene	10.90	91	251263	51.28	ug/L		96
57)	Styrene	10.92	104	201074	48.72	ug/L		99
58)	Bromoform	11.08	173	41743	48.47	ug/L		96
61)	Bromobenzene	11.47	156	78823	51.86	ug/L	#	61
62)	1,1,2,2-Tetrachloroethane	11.48	83	78984	44.03	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	135464	48.43	ug/L	#	58
64)	Isopropylbenzene	11.23	105	264884	54.05	ug/L		99
65)	n-Propylbenzene	11.57	91	344839	53.94	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	11978	99.27	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	215671	51.80	ug/L		97
68)	4-Chlorotoluene	11.72	91	252215	51.57	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	216070	51.71	ug/L		98
70)	tert-Butylbenzene	11.97	119	197091	48.72	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	226973	50.70	ug/L		89
72)	sec-Butylbenzene	12.13	105	239211	53.43	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	133055	49.24	ug/L		97
74)	4-Isopropyltoluene	12.24	119	210422	51.80	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	142241	47.50	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	132416	48.41	ug/L		96
77)	n-Butylbenzene	12.54	91	191969	50.39	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	15280	51.08	ug/L		84
79)	1,2,4-Trichlorobenzene	13.67	180	67975	50.60	ug/L		94
80)	Hexachlorobutadiene	13.78	225	26965	52.18	ug/L		96
81)	Naphthalene	13.83	128	211912	45.82	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	62631	48.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.368	0.381	-3.5	118	0.00
3	pcc	Chloromethane	0.530	0.464	12.5	106	0.00
4	ccc	Vinyl chloride	0.404	0.376	6.9	109	0.00
5	T	Bromomethane	0.186	0.137	26.3#	117	0.02
6	T	Chloroethane	0.258	0.180	30.2#	111	0.01
7	T	Trichlorofluoromethane	0.675	0.723	-7.1	128	0.01
8	T	Acrolein	0.064	0.051	20.3	99	0.00
9	ccc	1,1-Dichloroethene	0.423	0.402	5.0	116	0.01
10		Freon-113	0.327	0.311	4.9	120	0.00
11	T	Acetone	0.072	0.102	-41.7#	0#	-0.01
12	T	Iodomethane	0.681	0.648	4.8	119	0.01
13	T	Carbon disulfide	1.384	1.292	6.6	116	0.01
14		Methyl Acetate	0.885	0.669	24.4	98	0.00
15	T	Vinyl acetate	0.443	0.335	24.4	98	0.00
16	T	Methylene chloride	0.616	0.438	28.9#	108	0.00
17	T	Acrylonitrile	0.248	0.198	20.2	98	0.00
18		Methyl tert-butyl ether	1.415	1.284	9.3	111	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.458	9.3	112	0.00
20	pcc	1,1-Dichloroethane	1.070	0.970	9.3	116	0.00
21	T	2,2-Dichloropropane	0.413	0.457	-10.7	139	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.525	1.9	122	0.00
23	T	2-Butanone	0.074	0.093	-25.7#	150#	0.00
24	T	Bromochloromethane	0.249	0.229	8.0	116	0.00
25	ccc	Chloroform	0.877	0.765	12.8	115	0.00
26		Cyclohexane	0.848	0.827	2.5	127	0.00
27	T	1,1,1-Trichloroethane	0.614	0.627	-2.1	125	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
29	S	Dibromofluoromethane	0.299	0.292	2.3	126	0.00
30	T	1,1-Dichloropropene	0.138	0.147	-6.5	130	0.00
31	T	Carbon tetrachloride	0.313	0.320	-2.2	124	0.00
32	M	Benzene	1.300	1.285	1.2	118	0.00
33	T	1,2-Dichloroethane	0.440	0.406	7.7	113	0.00
34	M	Trichloroethene	0.289	0.293	-1.4	126	0.00
35		Methylcyclohexane	0.268	0.304	-13.4	133	0.00
36	ccc	1,2-Dichloropropane	0.340	0.314	7.6	110	0.00
37	T	Dibromomethane	0.179	0.167	6.7	109	0.00
38	T	Bromodichloromethane	0.322	0.310	3.7	116	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.285	1.7	110	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.413	-3.0	116	0.00
41	T	4-Methyl-2-pentanone	0.339	0.346	-2.1	112	0.00
42	S	Toluene-d8	0.953	1.020	-7.0	127	0.00
43	ccc	Toluene	0.687	0.689	-0.3	115	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.344	-2.7	113	0.00
45	T	1,1,2-Trichloroethane	0.191	0.176	7.9	108	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
47	T	2-Hexanone	0.340	0.450	-32.4#	143	0.00
48	T	Tetrachloroethene	0.318	0.325	-2.2	121	0.00
49	T	1,3-Dichloropropane	0.594	0.587	1.2	117	0.00
50	T	Dibromochloromethane	0.309	0.295	4.5	108	0.00
51	T	1,2-Dibromoethane	0.307	0.296	3.6	111	0.00
52	pcc	Chlorobenzene	1.018	0.975	4.2	117	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.286	2.7	109	-0.01
54	ccc	Ethylbenzene	1.566	1.628	-4.0	117	0.00
55	T	m,p-Xylene	1.191	1.261	-5.9	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.228	-2.5	116	0.00
57	T	Styrene	1.009	0.983	2.6	109	-0.01
58	pcc	Bromoform	0.211	0.204	3.3	114	0.00
59	S	4-Bromofluorobenzene	0.431	0.506	-17.4	133	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
61	T	Bromobenzene	0.674	0.700	-3.9	115	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.701	11.9	98	0.00
63	T	1,2,3-Trichloropropane	1.241	1.202	3.1	108	0.00
64	T	Isopropylbenzene	2.175	2.351	-8.1	118	0.00
65	T	n-Propylbenzene	2.837	3.060	-7.9	118	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.053	-10.4	112	0.00
67	T	2-Chlorotoluene	1.847	1.914	-3.6	117	0.00
68	T	4-Chlorotoluene	2.170	2.238	-3.1	114	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.918	-3.5	116	-0.01
70	T	tert-Butylbenzene	1.653	1.749	-5.8	116	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.014	-1.4	114	0.00
72	T	sec-Butylbenzene	1.987	2.123	-6.8	120	0.00
73	T	1,3-Dichlorobenzene	1.199	1.181	1.5	110	0.00
74	T	4-Isopropyltoluene	1.803	1.867	-3.5	115	0.00
75	T	1,4-Dichlorobenzene	1.329	1.262	5.0	114	0.00
76	T	1,2-Dichlorobenzene	1.214	1.175	3.2	111	0.00
77	T	n-Butylbenzene	1.555	1.704	-9.6	121	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.136	-2.3	120	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.603	-1.2	113	0.00
80	T	Hexachlorobutadiene	0.229	0.239	-4.4	123	0.00
81	T	Naphthalene	1.855	1.881	-1.4	105	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.556	2.5	107	0.00

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

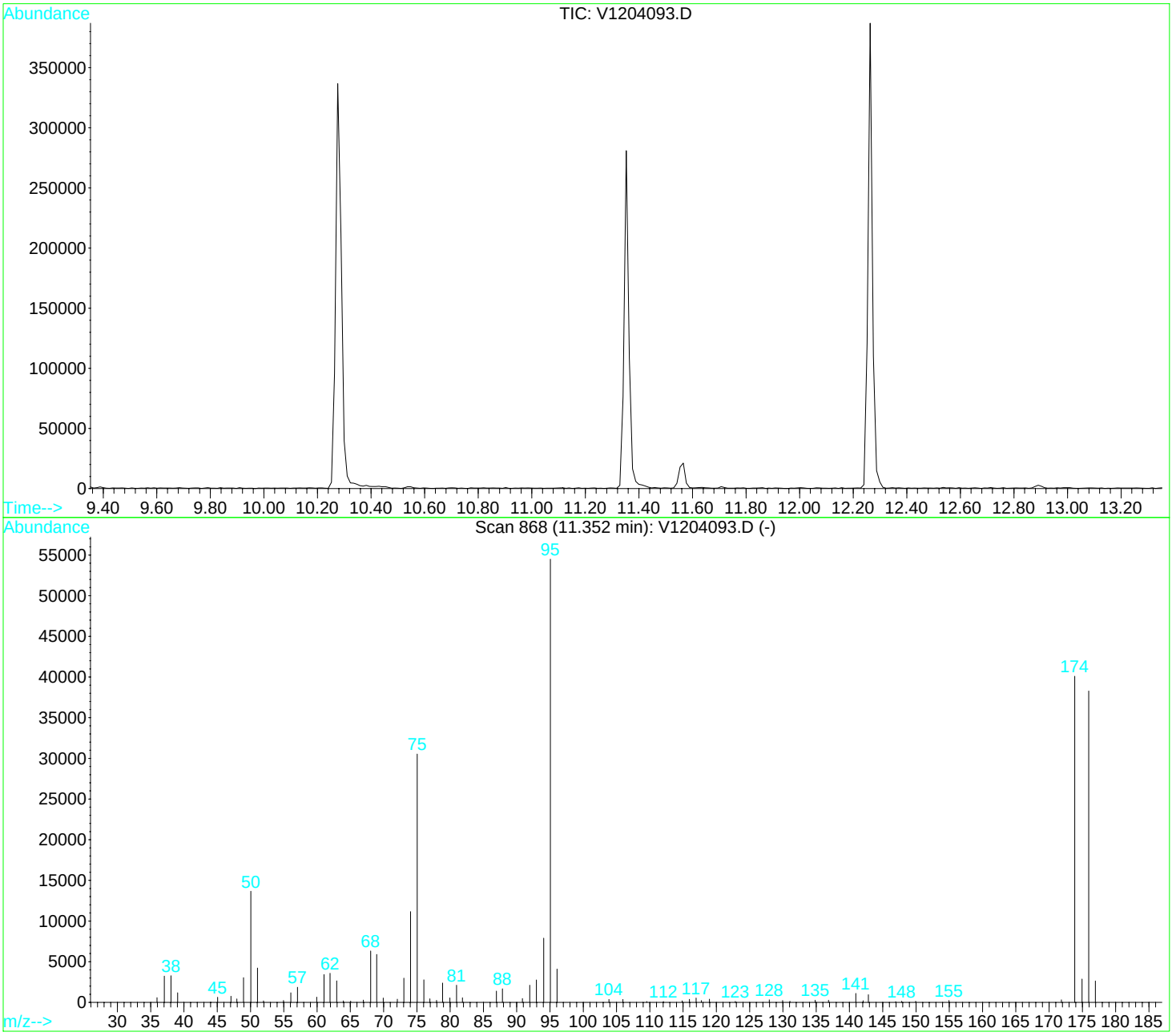
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1204093.D	1.	BFB	TUNE BFB_4	24 Jun 2004 09:21
2	2	V1204094.D	1.	BLANK	BLANK	24 Jun 2004 10:02
3	3	V1204095.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 10:39
4	4	V1204096.D	1.	MB-47082	MBLK 8260B_W	24 Jun 2004 11:19
5	5	V1204097.D	1.	LCS-47082	LCS 8260B_W	24 Jun 2004 11:44
6	6	V1204098.D	1.	0406914-001A *10	SAMP 8260B_W	24 Jun 2004 12:09
7	7	V1204099.D	1.	MB-47035 *20	MB 1311_V	24 Jun 2004 12:34
8	8	V1204100.D	1.	0406980-001A *20	SAMP 1311_V	24 Jun 2004 13:21
9	9	V1204101.D	1.	0406B07-010A	SAMP 8260_TCL4.2_W	24 Jun 2004 13:45
10	10	V1204102.D	1.	0406B07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:10
11	11	V1204103.D	1.	0406B07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:36
12	12	V1204104.D	1.	0406C07-003A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 15:01
13	13	V1204105.D	1.	0406C07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:26
14	14	V1204106.D	1.	0406C07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:51
15	15	V1204107.D	1.	0406C07-004A	SAMP 8260_TCL4.2_W	24 Jun 2004 16:16
16	16	V1204108.D	1.	0406C07-003A *10	SAMP 8260_TCL4.2_W	24 Jun 2004 16:40
17	17	V1204109.D	1.	0406C07-001AMS	MS 8260_TCL4.2_W	24 Jun 2004 17:05
18	17	V1204110.D	1.	0406C07-001AMSD	MSD 8260_TCL4.2_W	24 Jun 2004 17:29
19	18	V1204111.D	1.	MB-47074	MBLK 8260_TCL4.2_X	24 Jun 2004 17:54
20	19	V1204112.D	1.	LCS-47074	LCS 8260_TCL4.2_X	24 Jun 2004 18:19
21	20	V1204113.D	1.	0406B33-003A *500	SAMP 8260_TCL4.2_X	24 Jun 2004 18:43
22	21	V1204114.D	1.	0406B33-003AMS *500	MS 8260_TCL4.2_X	24 Jun 2004 19:08
23	21	V1204115.D	1.	0406B33-003AMS *500	MSD 8260_TCL4.2_X	24 Jun 2004 19:33
24	22	V1204116.D	1.	0406C14-001A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 19:58
25	23	V1204117.D	1.	0406C14-002A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:23
26	24	V1204118.D	1.	0406C14-003A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:47
27	25	V1204119.D	1.	0406C14-006A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:12
28	26	V1204120.D	1.	0406C14-007A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:37
29	27	V1204121.D	1.	BLANK	BLANK	24 Jun 2004 22:02
30	28	V1204122.D	1.	BLANK	BLANK	24 Jun 2004 22:27
31	29	V1204123.D	1.	BFB	TUNE BFB_4	24 Jun 2004 22:52
32	30	V1204124.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 23:17
33	31	V1204125.D	1.	MB----------	MBLK 8260B_W	24 Jun 2004 23:42
34	32	V1204126.D	1.	LCS----------	LCS 8260B_W	25 Jun 2004 00:07
35	33	V1204127.D	1.	0406983-013A *10	SAMP 8260B_W	25 Jun 2004 00:32

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
36	34	V1204128.D	1.	0406983-014A	*10	SAMP 8260B_W	25 Jun 2004 00:56
37	35	V1204129.D	1.	0406B07-003A		SAMP 8260_TCL4.2_W	25 Jun 2004 01:21
38		V1204130.D	1.				

Data File : C:\HPCHEM\1\DATA\062404\V1204093.D Vial: 1
Acq On : 24 Jun 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Scan 868

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	13663	PASS
75	95	30	60	56.0	30536	PASS
95	95	100	100	100.0	54492	PASS
96	95	5	9	7.5	4098	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.6	40092	PASS
175	174	5	9	7.1	2865	PASS
176	174	95	101	95.5	38288	PASS
177	176	5	9	6.9	2630	PASS

V1204093.D VW052704.M Thu Jun 24 13:16:33 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	68	0.00
2	T	Dichlorodifluoromethane	0.368	0.392	-6.5	70	0.01
3	pcc	Chloromethane	0.530	0.423	20.2	56	0.00
4	ccc	Vinyl chloride	0.404	0.364	9.9	61	0.00
5	T	Bromomethane	0.186	0.205	-10.2	100	0.02
6	T	Chloroethane	0.258	0.229	11.2	81	0.01
7	T	Trichlorofluoromethane	0.675	0.868	-28.6	89	0.01
8	T	Acrolein	0.064	0.015	76.6#	17#	0.01
9	ccc	1,1-Dichloroethene	0.423	0.351	17.0	58	0.01
10		Freon-113	0.327	0.288	11.9	64	0.00
11	T	Acetone	0.072	0.063	12.5	0#	-0.01
12	T	Iodomethane	0.681	0.594	12.8	63	0.01
13	T	Carbon disulfide	1.384	1.057	23.6	55	0.01
14		Methyl Acetate	0.885	0.507	42.7#	43#	0.00
15	T	Vinyl acetate	0.443	0.253	42.9#	43#	0.00
16	T	Methylene chloride	0.616	0.385	37.5#	55	0.00
17	T	Acrylonitrile	0.248	0.142	42.7#	41#	0.00
18		Methyl tert-butyl ether	1.415	1.058	25.2	53	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.397	21.4	56	0.00
20	pcc	1,1-Dichloroethane	1.070	0.833	22.1	58	0.00
21	T	2,2-Dichloropropane	0.413	0.438	-6.1	76	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.462	13.6	62	0.00
23	T	2-Butanone	0.074	0.057	23.0	53	-0.01
24	T	Bromochloromethane	0.249	0.214	14.1	62	0.00
25	ccc	Chloroform	0.877	0.755	13.9	65	0.00
26		Cyclohexane	0.848	0.618	27.1	55	0.00
27	T	1,1,1-Trichloroethane	0.614	0.672	-9.4	77	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	-0.01
29	S	Dibromofluoromethane	0.299	0.303	-1.3	73	0.00
30	T	1,1-Dichloropropene	0.138	0.132	4.3	65	0.00
31	T	Carbon tetrachloride	0.313	0.380	-21.4	82	0.00
32	M	Benzene	1.300	1.115	14.2	57	0.00
33	T	1,2-Dichloroethane	0.440	0.444	-0.9	70	0.00
34	M	Trichloroethene	0.289	0.284	1.7	69	0.00
35		Methylcyclohexane	0.268	0.250	6.7	61	0.00
36	ccc	1,2-Dichloropropane	0.340	0.276	18.8	54	0.00
37	T	Dibromomethane	0.179	0.162	9.5	59	0.00
38	T	Bromodichloromethane	0.322	0.320	0.6	67	-0.01
39	T	2-Chloroethyl vinyl ether	0.290	0.229	21.0	49#	-0.01
40	T	cis-1,3-Dichloropropene	0.401	0.365	9.0	57	0.00
41	T	4-Methyl-2-pentanone	0.339	0.258	23.9	47#	0.00
42	S	Toluene-d8	0.953	1.023	-7.3	71	0.00
43	ccc	Toluene	0.687	0.649	5.5	61	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.308	8.1	56	-0.01
45	T	1,1,2-Trichloroethane	0.191	0.174	8.9	60	-0.01
46	I	Chlorobenzene-d5	1.000	1.000	0.0	69	0.00
47	T	2-Hexanone	0.340	0.280	17.6	52	0.00
48	T	Tetrachloroethene	0.318	0.322	-1.3	71	0.00
49	T	1,3-Dichloropropane	0.594	0.515	13.3	60	0.00
50	T	Dibromochloromethane	0.309	0.313	-1.3	68	0.00
51	T	1,2-Dibromoethane	0.307	0.276	10.1	61	-0.01
52	pcc	Chlorobenzene	1.018	0.909	10.7	64	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.322	-9.5	72	-0.01
54	ccc	Ethylbenzene	1.566	1.542	1.5	65	0.00
55	T	m,p-Xylene	1.191	1.203	-0.9	67	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.200	-0.2	67	0.00
57	T	Styrene	1.009	0.949	5.9	62	-0.01
58	pcc	Bromoform	0.211	0.211	0.0	69	0.00
59	S	4-Bromofluorobenzene	0.431	0.529	-22.7	82	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
61	T	Bromobenzene	0.674	0.621	7.9	67	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.576	27.6	52	0.00
63	T	1,2,3-Trichloropropane	1.241	0.653	47.4#	38#	-0.01
64	T	Isopropylbenzene	2.175	2.084	4.2	68	0.00
65	T	n-Propylbenzene	2.837	2.534	10.7	64	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.008	83.3#	11#	0.00
67	T	2-Chlorotoluene	1.847	1.723	6.7	68	0.00
68	T	4-Chlorotoluene	2.170	2.110	2.8	70	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.767	4.7	70	-0.01
70	T	tert-Butylbenzene	1.653	1.640	0.8	71	0.00
71	T	1,2,4-Trimethylbenzene	1.987	1.874	5.7	69	0.00
72	T	sec-Butylbenzene	1.987	1.926	3.1	71	0.00
73	T	1,3-Dichlorobenzene	1.199	1.099	8.3	66	0.00
74	T	4-Isopropyltoluene	1.803	1.796	0.4	72	0.00
75	T	1,4-Dichlorobenzene	1.329	1.210	9.0	71	0.00
76	T	1,2-Dichlorobenzene	1.214	1.136	6.4	70	0.00
77	T	n-Butylbenzene	1.555	1.560	-0.3	72	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.107	19.5	62	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.572	4.0	70	0.00
80	T	Hexachlorobutadiene	0.229	0.259	-13.1	86	0.00
81	T	Naphthalene	1.855	1.629	12.2	59	0.01
82	T	1,2,3-Trichlorobenzene	0.570	0.546	4.2	68	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	115923	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	168469	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	120521	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73300	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51111	50.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 101.52%				
42) Toluene-d8	8.59	98	172305	53.68	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 107.36%				
59) 4-Bromofluorobenzene	11.35	95	63802	61.46	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 122.92%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	45386	53.21	ug/L		95
3) Chloromethane	1.47	50	49069	39.93	ug/L		94
4) Vinyl chloride	1.57	62	42249	45.10	ug/L		98
5) Bromomethane	1.81	94	23778	64.77	ug/L		98
6) Chloroethane	1.90	64	26511	44.34	ug/L		94
7) Trichlorofluoromethane	2.10	101	100598	64.29	ug/L		96
8) Acrolein	2.44	56	3578	22.92	ug/L		99
9) 1,1-Dichloroethene	2.54	96	40727	41.50	ug/L	#	70
10) Freon-113	2.55	101	33395	44.01	µg/L	#	87
11) Acetone	2.56	58	14683	103.26	ug/L	#	17
12) Iodomethane	2.68	142	137636	87.19	ug/L	#	76
13) Carbon disulfide	2.75	76	245015	76.37	ug/L		100
14) Methyl Acetate	2.89	43	58741	28.62	µg/L	#	6
15) Vinyl acetate	2.89	43	58741	57.25	ug/L		89
16) Methylene chloride	3.00	84	44632	39.10	ug/L	#	73
17) Acrylonitrile	3.26	53	32883	57.16	ug/L		96
18) Methyl tert-butyl ether	3.32	73	122684	37.41	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	46028	39.31	ug/L		91
20) 1,1-Dichloroethane	3.83	63	96565	38.91	ug/L		99
21) 2,2-Dichloropropane	4.70	77	50740	52.97	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	53511	43.17	ug/L		94
23) 2-Butanone	4.73	72	13300	77.30	ug/L	#	42
24) Bromochloromethane	5.07	128	24757	42.94	ug/L	#	74
25) Chloroform	5.21	83	87492	43.01	ug/L		99
26) Cyclohexane	5.55	56	71624	36.44	µg/L		90
27) 1,1,1-Trichloroethane	5.47	97	77885	54.68	ug/L		96
30) 1,1-Dichloropropene	5.72	110	22173	47.82	ug/L		99
31) Carbon tetrachloride	5.72	119	63974	60.73	ug/L		99
32) Benzene	6.02	78	187833	42.89	ug/L		99
33) 1,2-Dichloroethane	6.05	62	74777	50.40	ug/L		98
34) Trichloroethene	6.95	130	47809	49.15	ug/L		95
35) Methylcyclohexane	7.21	55	42199	46.75	µg/L		94
36) 1,2-Dichloropropane	7.25	63	46416	40.57	ug/L	#	100
37) Dibromomethane	7.41	93	27303	45.17	ug/L		93
38) Bromodichloromethane	7.64	83	53848	49.58	ug/L		98
39) 2-Chloroethyl vinyl ether	8.07	63	77134	78.90	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	61575	45.60	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	86791	76.06	ug/L		93
43) Toluene	8.68	92	109298	47.23	ug/L		97
44) trans-1,3-Dichloropropene	8.99	75	51845	42.27	ug/L		98
45) 1,1,2-Trichloroethane	9.21	83	29315	45.58	ug/L		94
47) 2-Hexanone	9.54	43	67442	82.32	ug/L		88
48) Tetrachloroethene	9.39	166	38782	50.67	ug/L		94
49) 1,3-Dichloropropane	9.41	76	62055	43.36	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

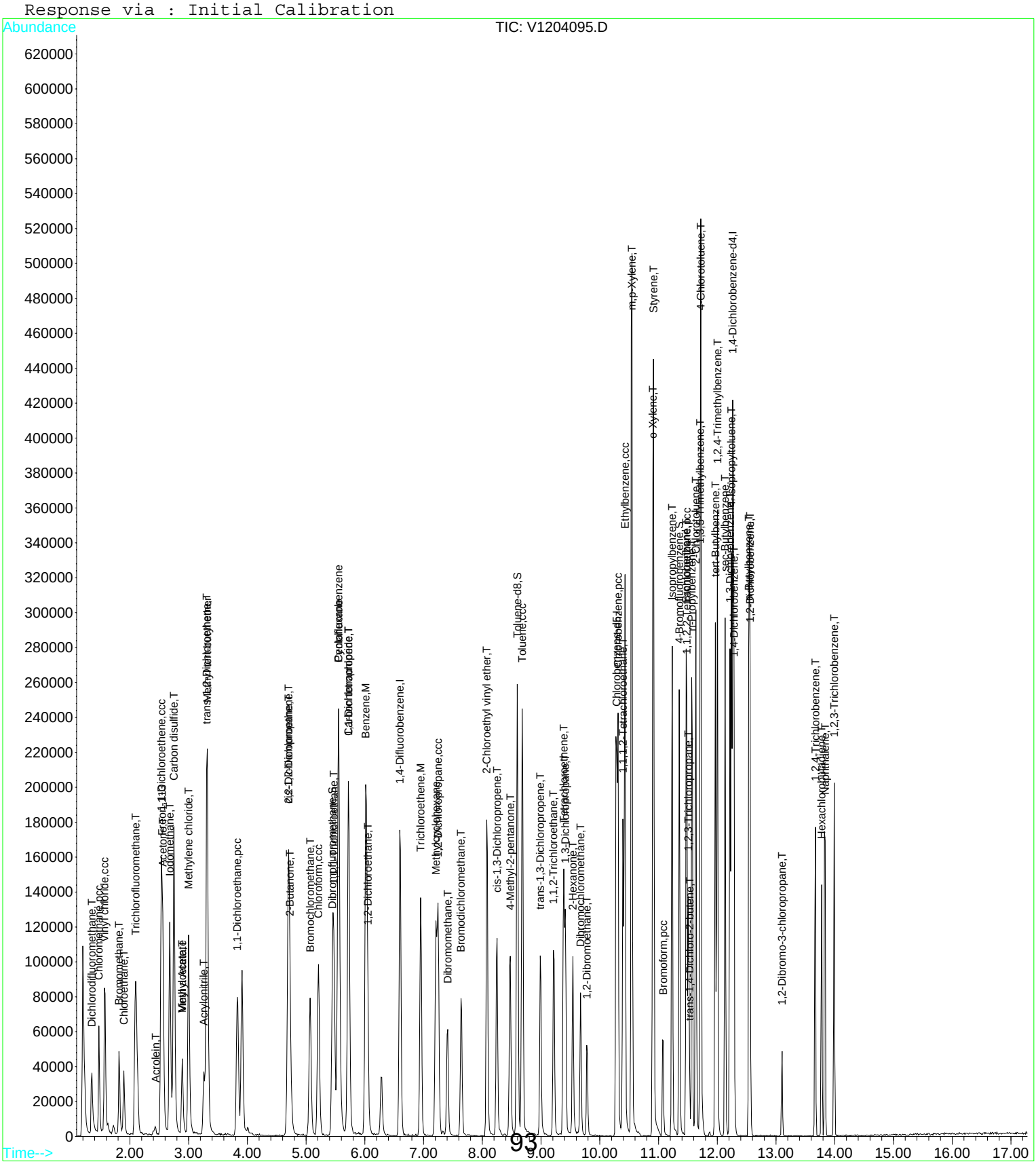
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	37727	50.58	ug/L		97
51)	1,2-Dibromoethane	9.78	107	33312	45.05	ug/L	#	96
52)	Chlorobenzene	10.31	112	109613	44.69	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	38790	54.83	ug/L		94
54)	Ethylbenzene	10.43	91	185818	49.22	ug/L		97
55)	m,p-Xylene	10.55	91	289830	100.98	ug/L		97
56)	o-Xylene	10.90	91	144636	50.10	ug/L		95
57)	Styrene	10.91	104	114361	47.03	ug/L		95
58)	Bromoform	11.08	173	25446	50.15	ug/L		98
61)	Bromobenzene	11.47	156	45538	46.06	ug/L	#	71
62)	1,1,2,2-Tetrachloroethane	11.48	83	42251	36.21	ug/L		98
63)	1,2,3-Trichloropropane	11.51	75	47891	26.32	ug/L	#	1
64)	Isopropylbenzene	11.23	105	152732	47.91	ug/L		98
65)	n-Propylbenzene	11.56	91	185762	44.67	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1176	22.94	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	126332	46.65	ug/L		95
68)	4-Chlorotoluene	11.72	91	154641	48.61	ug/L		93
69)	1,3,5-Trimethylbenzene	11.71	105	129503	47.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	120185	45.89	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	137334	47.16	ug/L		88
72)	sec-Butylbenzene	12.13	105	141147	48.47	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	80529	45.82	ug/L		98
74)	4-Isopropyltoluene	12.24	119	131618	49.81	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	88712	45.54	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	83235	46.78	ug/L		96
77)	n-Butylbenzene	12.54	91	114336	46.37	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	7811	40.14	ug/L		94
79)	1,2,4-Trichlorobenzene	13.67	180	41920	47.97	ug/L		95
80)	Hexachlorobutadiene	13.78	225	18990	56.50	ug/L		98
81)	Naphthalene	13.84	128	119377	40.14	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	40043	47.89	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.54	168	113606	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	166176	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	111076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54171	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	53971	54.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.68%			
42) Toluene-d8	8.60	98	158111	49.94	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 99.88%			
59) 4-Bromofluorobenzene	11.35	95	49629	51.87	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.	d	
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D.		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204096.D VW052704.M Thu Jun 24 14:56:29 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

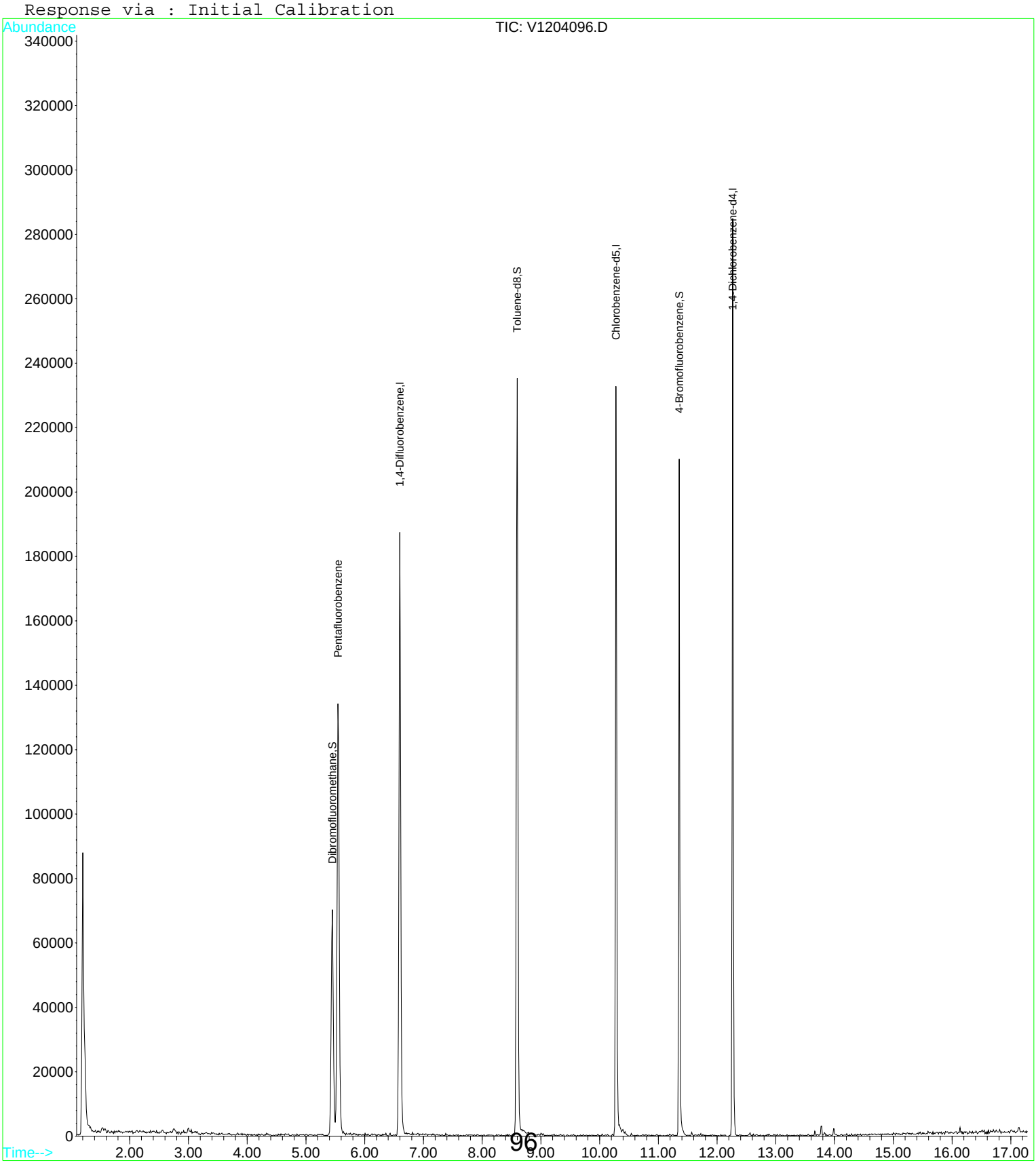
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	106719	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	157925	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	109473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54884	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	49400	52.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.68%			
42) Toluene-d8	8.60	98	153286	50.95	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 101.90%			
59) 4-Bromofluorobenzene	11.35	95	48751	51.70	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	38184	42.26	ug/L #	64
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	6.02	78	194841	47.46	ug/L	100
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	49630	54.43	ug/L	96
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.68	92	110830	51.09	ug/L	98
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

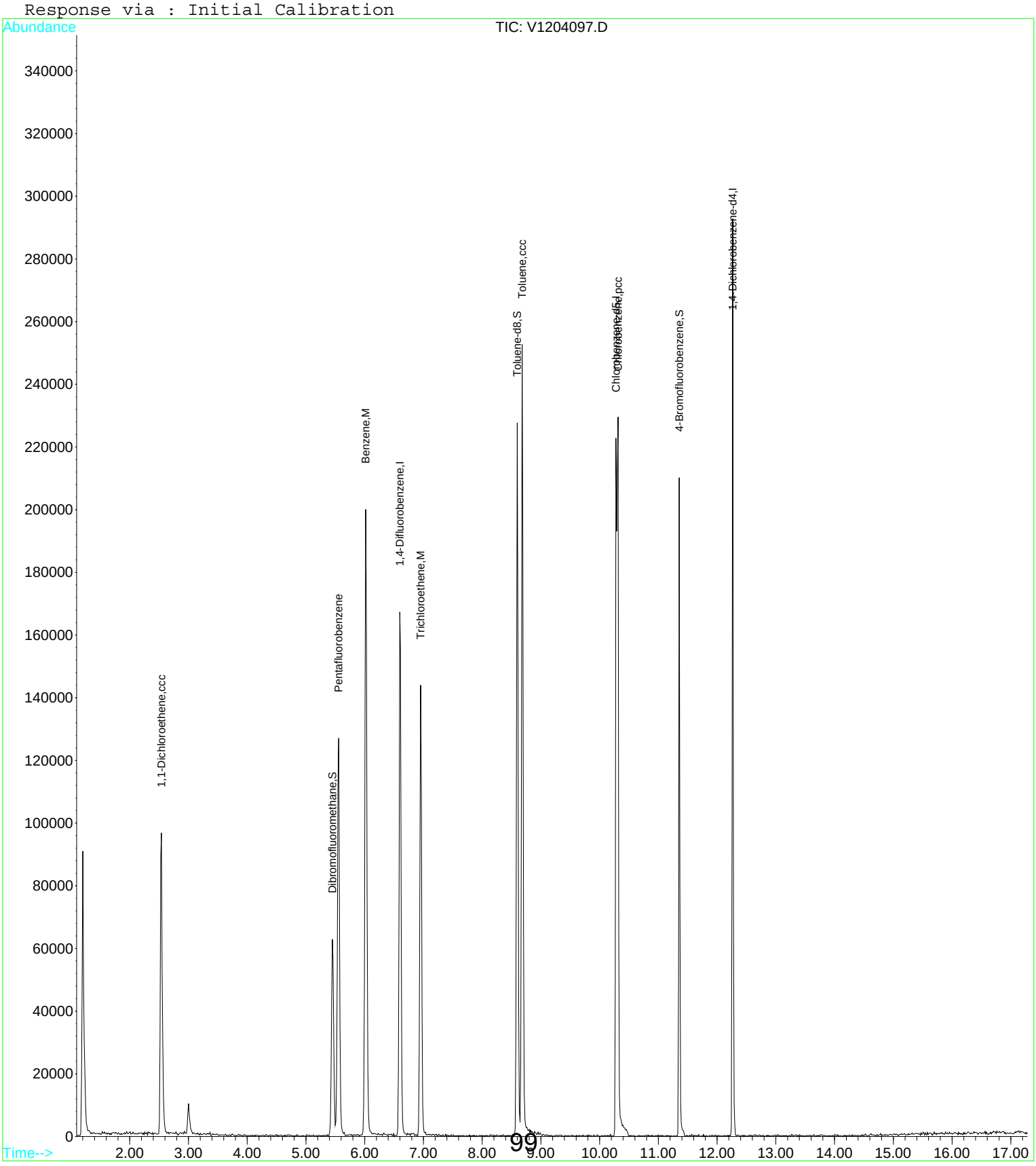
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.31	112	113186	50.81 ug/L	98
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Injection Log

Directory: C:\HPCHEM\1\DATA\062504

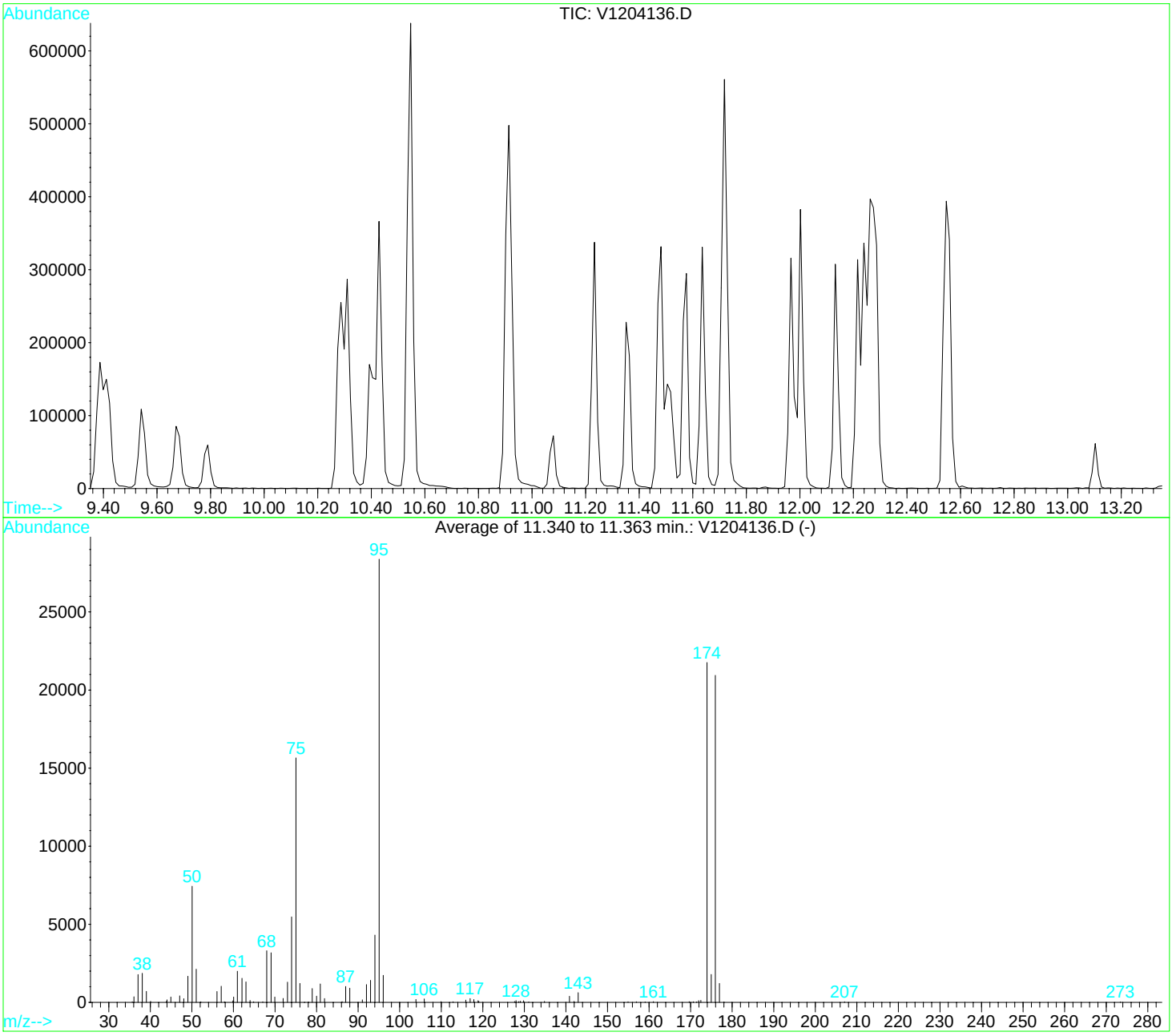
Line	Vial	FileName	Multiplier	SampleName			Misc Info	Injected
1	1	V1204130.D	1.	BLANK			BLANK	25 Jun 2004 08:09
2	2	V1204131.D	1.	BFB			TUNE BFB_4	25 Jun 2004 08:34
3	3	V1204132.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 08:59
4	4	V1204133.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 09:24
5	5	V1204134.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 09:49
6	6	V1204135.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 10:14
7	7	V1204136.D	1.	BFB			TUNE BFB_4	25 Jun 2004 10:39
8	8	V1204137.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 11:07
9	9	V1204138.D	1.	MB-47082			MBLK 8260B_W	25 Jun 2004 11:32
10	10	V1204139.D	1.	MB-47074			MBLK 8260_TCL4.2_X	25 Jun 2004 11:57
11	11	V1204140.D	1.	0406B33-003A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:22
12	12	V1204141.D	1.	0406C14-001A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:47
13	13	V1204142.D	1.	0406C14-007A	*5		SAMP 8260_TCL4.2_W	25 Jun 2004 13:12
14	14	V1204143.D	1.	0406C14-006A			SAMP 8260_TCL4.2_W	25 Jun 2004 13:37
15	15	V1204144.D	1.	0406B33-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:02
16	16	V1204145.D	1.	0406B33-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:26
17	17	V1204146.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:51
18	18	V1204147.D	1.	BLANK			BLANK	25 Jun 2004 15:16
19	19	V1204148.D	1.	0406B33-001A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 15:40
20	20	V1204149.D	1.	0406C14-006A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 16:05
21	21	V1204150.D	1.	0406B78-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:30
22	22	V1204151.D	1.	0406B78-003A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:55
23	23	V1204152.D	1.	0406B54-003A	*50	8.79g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:20
24	24	V1204153.D	1.	0406B54-007A	*50	7.29g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:45
25	25	V1204154.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 18:09
26	26	V1204155.D	1.	0406983-017A			SAMP 8260B_W	25 Jun 2004 18:34
27	27	V1204156.D	1.	BLANK			BLANK	25 Jun 2004 18:59
28	28	V1204157.D	1.	BLANK			BLANK	25 Jun 2004 19:24
29	29	V1204158.D	1.	BFB			TUNE BFB_4	25 Jun 2004 19:49
30	30	V1204159.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 20:14
31	31	V1204160.D	1.	MB-47125			MBLK 8260B_W	25 Jun 2004 20:39
32	32	V1204161.D	1.	LCS-47125			LCS 8260B_W	25 Jun 2004 21:04
33	33	V1204162.D	1.	0406B14-001A			SAMP 8260_A1_W	25 Jun 2004 21:29
34	34	V1204163.D	1.	0406B42-004A			SAMP 8260_A1_W	25 Jun 2004 21:53
35	35	V1204164.D	1.	0406B42-005A			SAMP 8260_A1_W	25 Jun 2004 22:18
36	36	V1204165.D	1.	0406B14-005A			SAMP 8260_A1_W	25 Jun 2004 22:43

Injection Log

Directory: C:\HPCHEM\1\DATA\062504

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
37	37	V1204166.D	1.	0406B42-003A	SAMP 8260_A1_W	25 Jun 2004 23:07
38	38	V1204167.D	1.	0406B42-002A	SAMP 8260_A1_W	25 Jun 2004 23:32
39	39	V1204168.D	1.	0406B42-001A	SAMP 8260_A1_W	25 Jun 2004 23:57
40	40	V1204169.D	1.	0406B14-002A	SAMP 8260_A1_W	26 Jun 2004 00:22
41	41	V1204170.D	1.	0406B14-002AMS	MS 8260_A1_W	26 Jun 2004 00:47
42	41	V1204171.D	1.	0406B14-002AMSD	MSD 8260_A1_W	26 Jun 2004 01:12
43	42	V1204172.D	1.	0406B14-010A	SAMP 8260_A1_W	26 Jun 2004 01:36
44	43	V1204173.D	1.	0406B14-011A	SAMP 8260_A1_W	26 Jun 2004 02:01
45	44	V1204174.D	1.	0406B14-003A	SAMP 8260_A1_W	26 Jun 2004 02:26
46	45	V1204175.D	1.	0406B14-004A	SAMP 8260_A1_W	26 Jun 2004 02:51
47	46	V1204176.D	1.	0406B14-006A	SAMP 8260_A1_W	26 Jun 2004 03:15
48	47	V1204177.D	1.	0406B14-007A	SAMP 8260_A1_W	26 Jun 2004 03:40
49	48	V1204178.D	1.	0406B14-008A	SAMP 8260_A1_W	26 Jun 2004 04:05
50	49	V1204179.D	1.	0406B14-009A	SAMP 8260_A1_W	26 Jun 2004 04:29
51	50	V1204180.D	1.	0406B14-012A	SAMP 8260_TCL4.2_W	26 Jun 2004 04:54
52	51	V1204181.D	1.	0406B21-005A	SAMP 8260_TCL4.2_W	26 Jun 2004 05:19
53	1	V1204182.D	1.	0406B38-022A	SAMP 8260B_W	26 Jun 2004 05:44
54	2	V1204183.D	1.	0406B21-002A	SAMP 8260B_W	26 Jun 2004 06:09

Data File : C:\HPCHEM\1\DATA\062504\V1204136.D Vial: 7
Acq On : 25 Jun 2004 10:39 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.363 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	7439	PASS
75	95	30	60	55.2	15652	PASS
95	95	100	100	100.0	28378	PASS
96	95	5	9	6.1	1736	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.7	21759	PASS
175	174	5	9	8.2	1791	PASS
176	174	95	101	96.2	20941	PASS
177	176	5	9	5.8	1213	PASS

V1204136.D VW052704.M Fri Jun 25 12:43:07 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.368	0.469	-27.4	92	0.01
3	pcc	Chloromethane	0.530	0.447	15.7	65	0.00
4	ccc	Vinyl chloride	0.404	0.373	7.7	68	0.00
5	T	Bromomethane	0.186	0.187	-0.5	101	0.04
6	T	Chloroethane	0.258	0.212	17.8	83	0.01
7	T	Trichlorofluoromethane	0.675	0.923	-36.7#	104	0.01
8	T	Acrolein	0.064	0.022	65.6#	26#	0.00
9	ccc	1,1-Dichloroethene	0.423	0.381	9.9	70	0.01
10		Freon-113	0.327	0.325	0.6	79	0.01
11	T	Acetone	0.072	0.063	12.5	0#	0.00
12	T	Iodomethane	0.681	0.568	16.6	66	0.01
13	T	Carbon disulfide	1.384	0.945	31.7#	54	0.01
14		Methyl Acetate	0.885	0.424	52.1#	40#	0.00
15	T	Vinyl acetate	0.443	0.212	52.1#	40#	0.00
16	T	Methylene chloride	0.616	0.403	34.6#	63	0.00
17	T	Acrylonitrile	0.248	0.156	37.1#	49#	0.00
18		Methyl tert-butyl ether	1.415	1.203	15.0	66	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.410	18.8	63	0.01
20	pcc	1,1-Dichloroethane	1.070	0.876	18.1	67	0.01
21	T	2,2-Dichloropropane	0.413	0.522	-26.4	100	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.486	9.2	71	0.00
23	T	2-Butanone	0.074	0.065	12.2	67	0.00
24	T	Bromochloromethane	0.249	0.230	7.6	74	0.00
25	ccc	Chloroform	0.877	0.817	6.8	78	0.00
26		Cyclohexane	0.848	0.709	16.4	69	0.01
27	T	1,1,1-Trichloroethane	0.614	0.763	-24.3	96	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
29	S	Dibromofluoromethane	0.299	0.312	-4.3	80	0.00
30	T	1,1-Dichloropropene	0.138	0.146	-5.8	77	0.01
31	T	Carbon tetrachloride	0.313	0.453	-44.7#	104	0.00
32	M	Benzene	1.300	1.258	3.2	68	0.00
33	T	1,2-Dichloroethane	0.440	0.509	-15.7	85	0.00
34	M	Trichloroethene	0.289	0.316	-9.3	81	0.00
35		Methylcyclohexane	0.268	0.301	-12.3	78	0.00
36	ccc	1,2-Dichloropropane	0.340	0.302	11.2	63	0.00
37	T	Dibromomethane	0.179	0.187	-4.5	73	0.00
38	T	Bromodichloromethane	0.322	0.367	-14.0	82	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.240	17.2	55	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.409	-2.0	68	0.00
41	T	4-Methyl-2-pentanone	0.339	0.290	14.5	56	0.00
42	S	Toluene-d8	0.953	1.010	-6.0	75	0.00
43	ccc	Toluene	0.687	0.734	-6.8	73	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.368	-9.9	72	0.00
45	T	1,1,2-Trichloroethane	0.191	0.187	2.1	69	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
47	T	2-Hexanone	0.340	0.322	5.3	65	0.00
48	T	Tetrachloroethene	0.318	0.362	-13.8	86	0.00
49	T	1,3-Dichloropropane	0.594	0.559	5.9	71	0.00
50	T	Dibromochloromethane	0.309	0.339	-9.7	79	0.00
51	T	1,2-Dibromoethane	0.307	0.314	-2.3	75	0.00
52	pcc	Chlorobenzene	1.018	1.020	-0.2	78	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.357	-21.4	87	-0.01
54	ccc	Ethylbenzene	1.566	1.662	-6.1	76	0.00
55	T	m,p-Xylene	1.191	1.306	-9.7	78	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.317	-9.9	79	0.00
57	T	Styrene	1.009	1.012	-0.3	71	-0.01
58	pcc	Bromoform	0.211	0.242	-14.7	86	0.00
59	S	4-Bromofluorobenzene	0.431	0.503	-16.7	84	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
61	T	Bromobenzene	0.674	0.746	-10.7	82	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.689	13.4	65	0.00
63	T	1,2,3-Trichloropropane	1.241	0.798	35.7#	48#	-0.01
64	T	Isopropylbenzene	2.175	2.400	-10.3	81	0.00
65	T	n-Propylbenzene	2.837	2.943	-3.7	76	0.00
66	T	trans-1,4-Dichloro-2-butene	0.048	0.010	79.2#	14#	0.00
67	T	2-Chlorotoluene	1.847	1.899	-2.8	77	0.00
68	T	4-Chlorotoluene	2.170	2.262	-4.2	77	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.934	-4.3	79	0.00
70	T	tert-Butylbenzene	1.653	1.876	-13.5	83	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.077	-4.5	79	0.00
72	T	sec-Butylbenzene	1.987	2.098	-5.6	79	0.00
73	T	1,3-Dichlorobenzene	1.199	1.256	-4.8	78	0.00
74	T	4-Isopropyltoluene	1.803	1.968	-9.2	81	0.00
75	T	1,4-Dichlorobenzene	1.329	1.330	-0.1	80	0.00
76	T	1,2-Dichlorobenzene	1.214	1.256	-3.5	80	0.00
77	T	n-Butylbenzene	1.555	1.744	-12.2	83	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.152	-14.3	90	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.686	-15.1	86	0.00
80	T	Hexachlorobutadiene	0.229	0.298	-30.1#	102	0.00
81	T	Naphthalene	1.855	2.035	-9.7	76	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.646	-13.3	83	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	127671	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	178466	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	130442	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	75447	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	55757	52.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.54%				
42) Toluene-d8	8.60	98	180211	53.00	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 106.00%				
59) 4-Bromofluorobenzene	11.35	95	65561	58.35	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 116.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	59834	63.69	ug/L		98
3) Chloromethane	1.47	50	57051	42.16	ug/L		94
4) Vinyl chloride	1.57	62	47639	46.18	ug/L		96
5) Bromomethane	1.83	94	23813	58.44	ug/L		99
6) Chloroethane	1.90	64	27047	41.08	ug/L		98
7) Trichlorofluoromethane	2.10	101	117799	68.36	ug/L		98
8) Acrolein	2.43	56	5503	33.41	ug/L		95
9) 1,1-Dichloroethene	2.54	96	48663	45.02	ug/L	#	59
10) Freon-113	2.56	101	41538	49.71	µg/L	#	86
11) Acetone	2.57	58	16144	103.07	ug/L	#	1
12) Iodomethane	2.68	142	145032	83.42	ug/L	#	71
13) Carbon disulfide	2.75	76	241273	68.29	ug/L		100
14) Methyl Acetate	2.89	43	54193	23.98	µg/L	#	8
15) Vinyl acetate	2.89	43	54193	47.96	ug/L		92
16) Methylene chloride	3.00	84	51440	41.24	ug/L	#	68
17) Acrylonitrile	3.26	53	39771	62.78	ug/L		94
18) Methyl tert-butyl ether	3.32	73	153626	42.53	µg/L		96
19) trans-1,2-Dichloroethene	3.32	96	52318	40.57	ug/L		87
20) 1,1-Dichloroethane	3.84	63	111794	40.90	ug/L		98
21) 2,2-Dichloropropane	4.70	77	66621	63.15	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	61992	45.41	ug/L		90
23) 2-Butanone	4.74	72	16678	88.01	ug/L		54
24) Bromochloromethane	5.07	128	29417	46.33	ug/L	#	78
25) Chloroform	5.21	83	104295	46.55	ug/L		97
26) Cyclohexane	5.57	56	90513	41.81	µg/L		89
27) 1,1,1-Trichloroethane	5.47	97	97402	62.09	ug/L		97
30) 1,1-Dichloropropene	5.73	110	26048	53.03	ug/L		93
31) Carbon tetrachloride	5.72	119	80777	72.38	ug/L		99
32) Benzene	6.02	78	224596	48.41	ug/L		99
33) 1,2-Dichloroethane	6.05	62	90859	57.81	ug/L		97
34) Trichloroethene	6.95	130	56389	54.72	ug/L		93
35) Methylcyclohexane	7.21	55	53653	56.11	µg/L		94
36) 1,2-Dichloropropane	7.25	63	53822	44.41	ug/L	#	100
37) Dibromomethane	7.41	93	33415	52.18	ug/L		91
38) Bromodichloromethane	7.65	83	65585	57.00	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	85715	82.77	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	73006	51.04	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	103504	85.62	ug/L		91
43) Toluene	8.68	92	131075	53.47	ug/L		95
44) trans-1,3-Dichloropropene	9.00	75	65734	49.71	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	33448	49.09	ug/L		96
47) 2-Hexanone	9.54	43	83945	94.67	ug/L		88
48) Tetrachloroethene	9.39	166	47179	56.95	ug/L		91
49) 1,3-Dichloropropane	9.41	76	72865	47.04	ug/L		100

(#) = qualifier out of range (m) = manual integration
V1204137.D VW052704.M Fri Jun 25 12:43:30 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

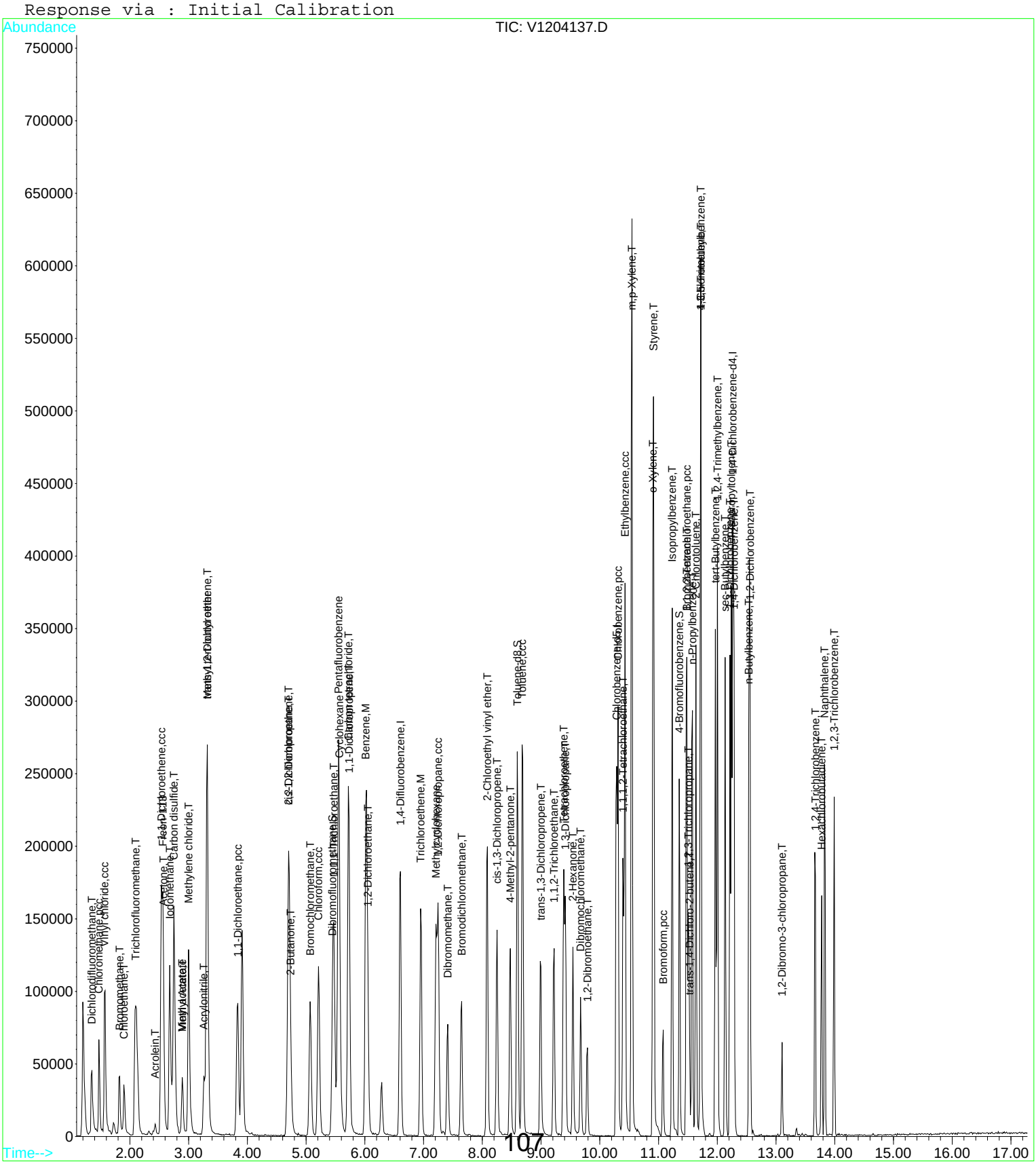
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	44185	54.74	ug/L		96
51)	1,2-Dibromoethane	9.79	107	40909	51.12	ug/L	#	99
52)	Chlorobenzene	10.31	112	133108	50.14	ug/L		99
53)	1,1,1,2-Tetrachloroethane	10.39	131	46512	60.74	ug/L		95
54)	Ethylbenzene	10.43	91	216785	53.06	ug/L		98
55)	m,p-Xylene	10.55	91	340812	109.71	ug/L		93
56)	o-Xylene	10.90	91	171835	54.99	ug/L		92
57)	Styrene	10.91	104	132033	50.17	ug/L		91
58)	Bromoform	11.08	173	31611	57.56	ug/L		95
61)	Bromobenzene	11.48	156	56248	55.28	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	51951	43.26	ug/L		97
63)	1,2,3-Trichloropropane	11.51	75	60182	32.13	ug/L	#	1
64)	Isopropylbenzene	11.23	105	181099	55.19	ug/L		99
65)	n-Propylbenzene	11.58	91	222069	51.88	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1514	26.35	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	143244	51.38	ug/L		95
68)	4-Chlorotoluene	11.72	91	170689	52.12	ug/L		96
69)	1,3,5-Trimethylbenzene	11.72	105	145924	52.16	ug/L		100
70)	tert-Butylbenzene	11.97	119	141521	51.99	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	156669	52.26	ug/L		90
72)	sec-Butylbenzene	12.13	105	158262	52.80	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	94735	52.36	ug/L		96
74)	4-Isopropyltoluene	12.24	119	148444	54.58	ug/L		96
75)	1,4-Dichlorobenzene	12.29	146	100334	50.04	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	94748	51.74	ug/L		97
77)	n-Butylbenzene	12.54	91	131615	51.53	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	11431	57.07	ug/L		80
79)	1,2,4-Trichlorobenzene	13.67	180	51743	57.53	ug/L		100
80)	Hexachlorobutadiene	13.78	225	22469	64.94	ug/L		99
81)	Naphthalene	13.83	128	153529	49.29	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	48733	56.62	ug/L		97

(#) = qualifier out of range (m) = manual integration
V1204137.D VW052704.M Fri Jun 25 12:43:31 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	109352	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	163102	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	115580	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	56433	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	52813	54.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.36%			
42) Toluene-d8	8.60	98	158829	51.11	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 102.22%			
59) 4-Bromofluorobenzene	11.35	95	52963	53.20	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 106.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D.	d	
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

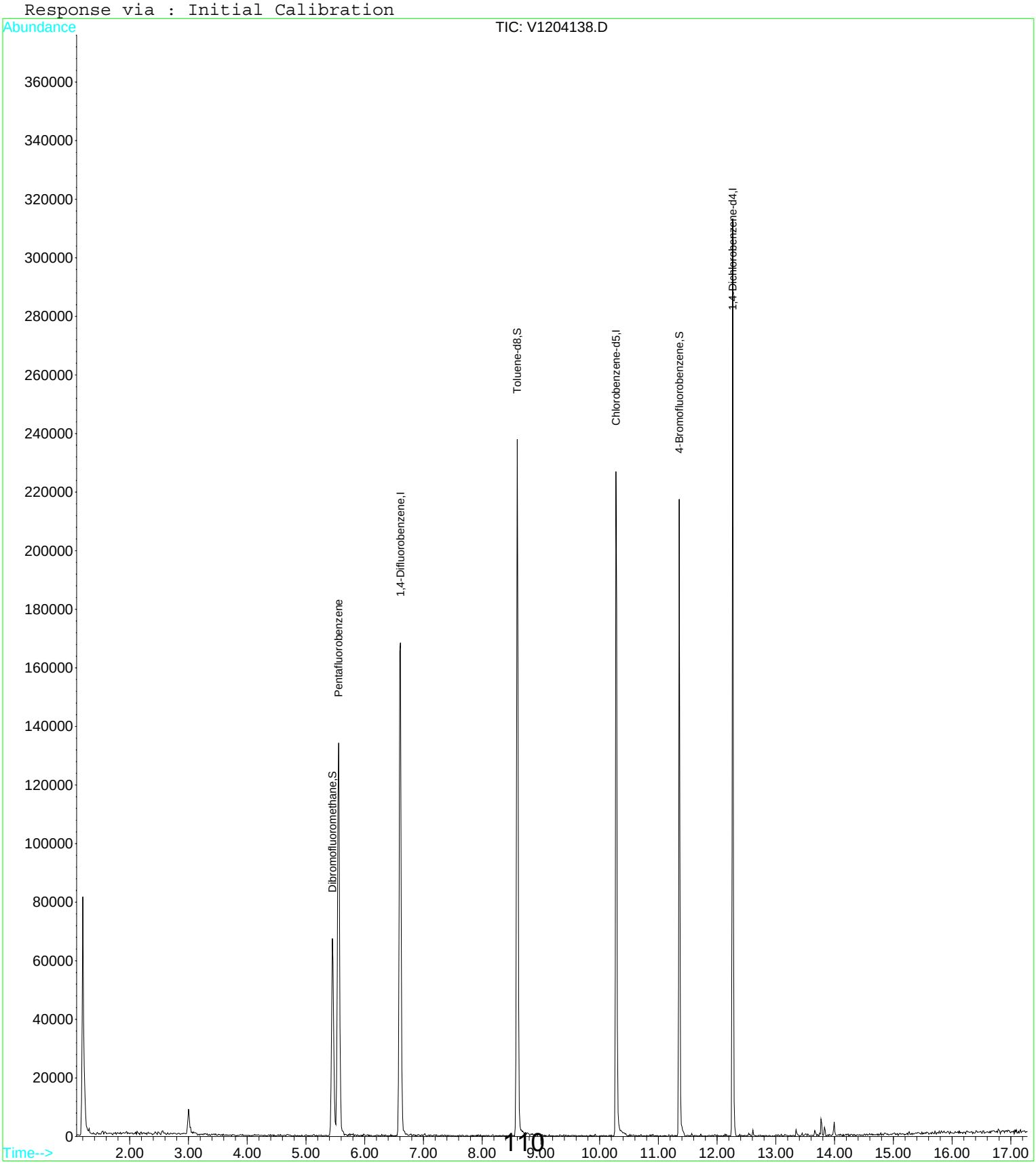
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.	d	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204138.D VW052704.M Fri Jun 25 12:43:56 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:37 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	112243	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	158846	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	119591	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	63125	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.45	113	51376	54.12 ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.24%		
42) Toluene-d8	8.60	98	167736	55.42 ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 110.84%		
59) 4-Bromofluorobenzene	11.35	95	57959	56.26 ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 112.52%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.	
3) Chloromethane	0.00	50	0	N.D. d	
4) Vinyl chloride	0.00	62	0	N.D. d	
5) Bromomethane	0.00	94	0	N.D.	
6) Chloroethane	0.00	64	0	N.D. d	
7) Trichlorofluoromethane	0.00	101	0	N.D. d	
8) Acrolein	0.00	56	0	N.D.	
9) 1,1-Dichloroethene	0.00	96	0	N.D.	
10) Freon-113	0.00	101	0	N.D. d	
11) Acetone	2.58	58	116954	937.02 ug/L #	1
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	2.75	76	180941	58.25 ug/L	100
14) Methyl Acetate	3.14	43	907	N.D.	
15) Vinyl acetate	0.00	43	0	N.D. d	
16) Methylene chloride	0.00	84	0	N.D. d	
17) Acrylonitrile	0.00	53	0	N.D.	
18) Methyl tert-butyl ether	0.00	73	0	N.D.	
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) 2,2-Dichloropropane	0.00	77	0	N.D. d	
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.	
23) 2-Butanone	0.00	72	0	N.D. d	
24) Bromochloromethane	0.00	128	0	N.D.	
25) Chloroform	0.00	83	0	N.D.	
26) Cyclohexane	0.00	56	0	N.D. d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
30) 1,1-Dichloropropene	0.00	110	0	N.D. d	
31) Carbon tetrachloride	0.00	119	0	N.D.	
32) Benzene	0.00	78	0	N.D.	
33) 1,2-Dichloroethane	0.00	62	0	N.D.	
34) Trichloroethene	0.00	130	0	N.D.	
35) Methylcyclohexane	0.00	55	0	N.D.	
36) 1,2-Dichloropropane	0.00	63	0	N.D.	
37) Dibromomethane	0.00	93	0	N.D.	
38) Bromodichloromethane	0.00	83	0	N.D.	
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.	
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
41) 4-Methyl-2-pentanone	8.48	43	87081	80.93 ug/L	92
43) Toluene	8.68	92	66737	30.58 ug/L	96
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.	
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.	
47) 2-Hexanone	0.00	43	0	N.D. d	
48) Tetrachloroethene	0.00	166	0	N.D.	
49) 1,3-Dichloropropane	0.00	76	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:37 2004 Quant Results File: VW052704.RES

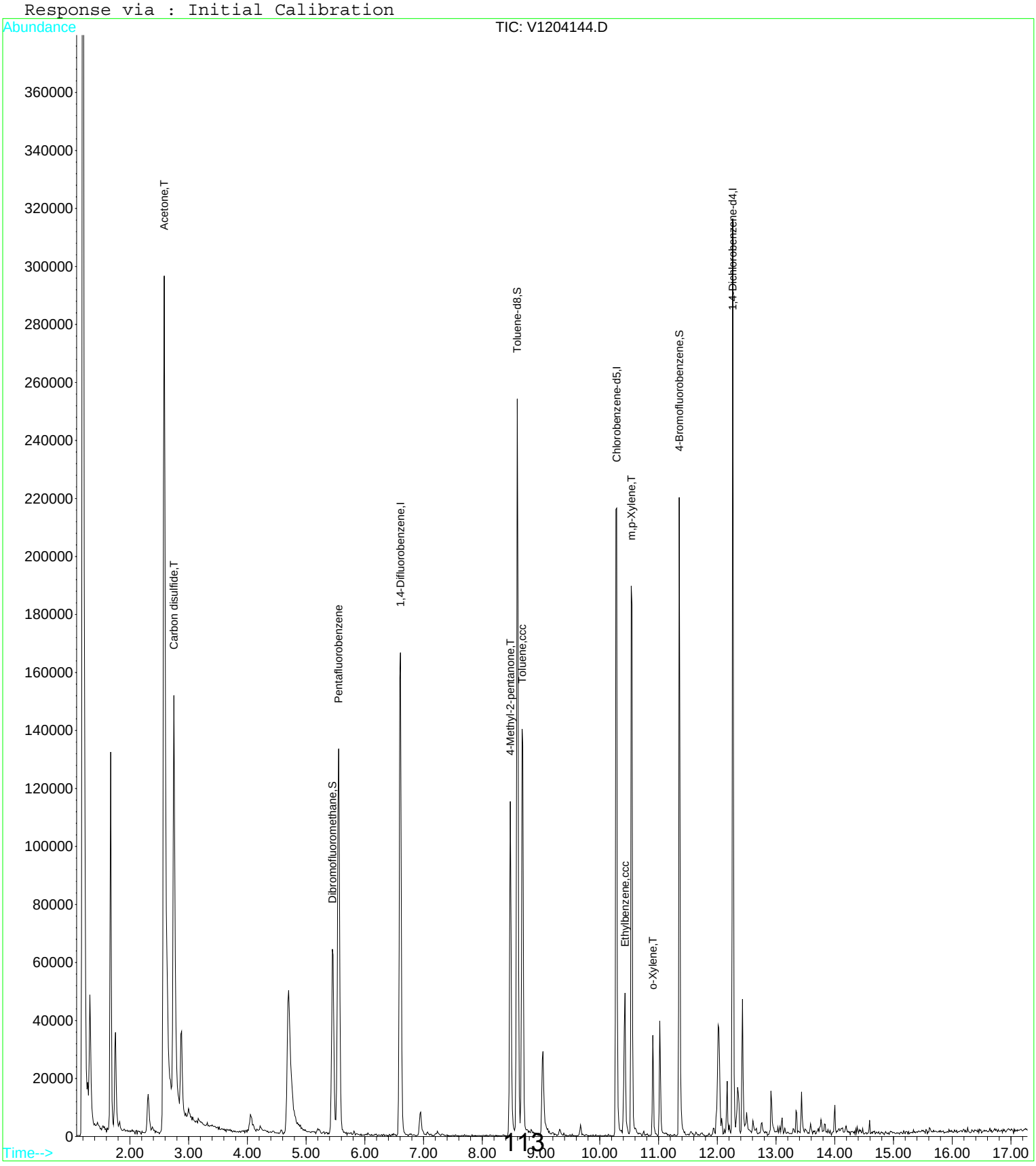
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	10.43	91	24983	6.67 ug/L	96
55)	m,p-Xylene	10.54	91	112752	39.59 ug/L	92
56)	o-Xylene	10.90	91	17399	6.07 ug/L	89
57)	Styrene	0.00	104	0	N.D. d	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D. d	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:37 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

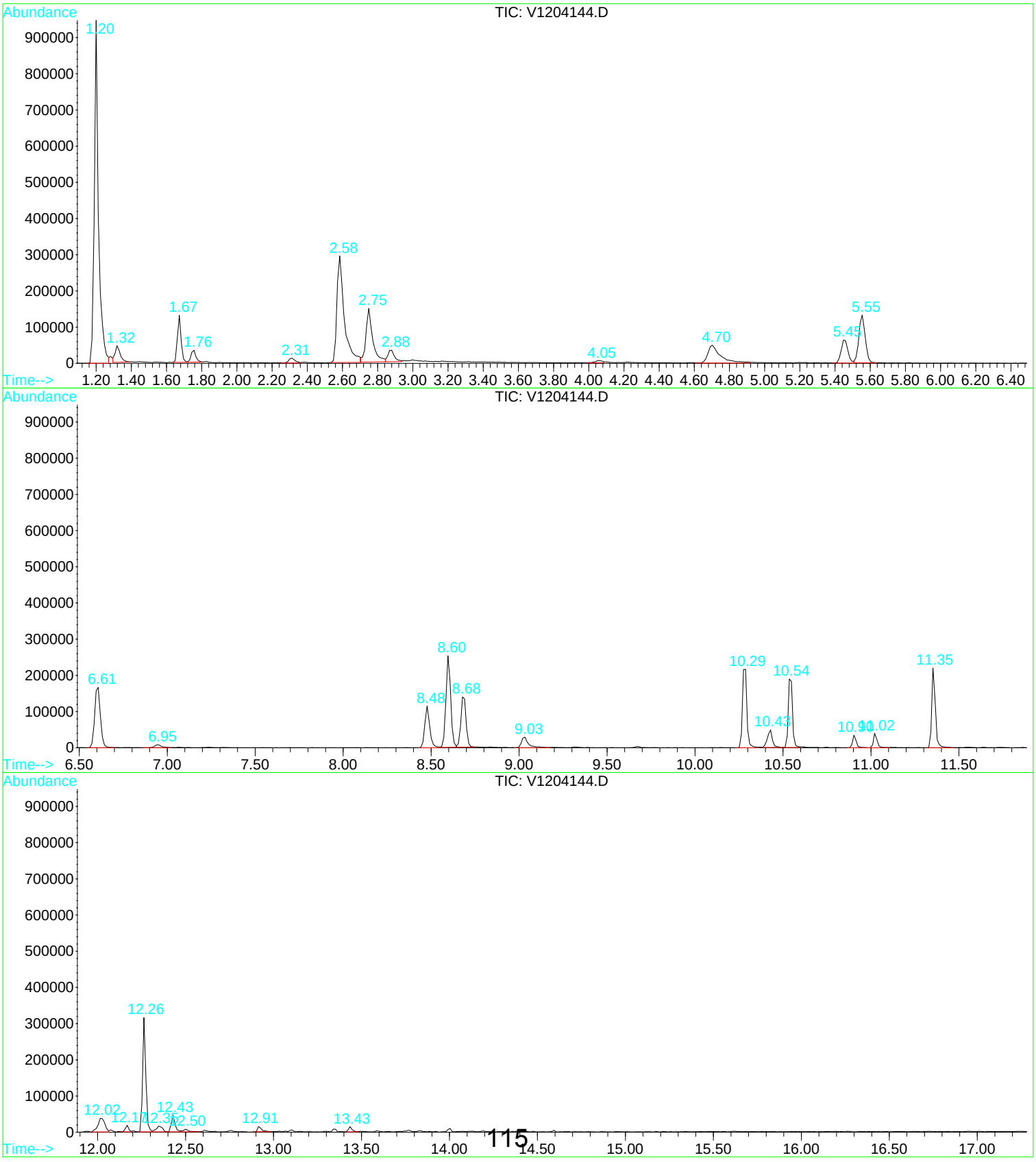
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.200	6	10	16	rBV	947340	1565249	100.00%	21.110%
2	1.318	18	20	26	rVB2	45330	91313	5.83%	1.231%
3	1.673	47	50	54	rBV	129845	188381	12.04%	2.541%
4	1.756	54	57	61	rVB	32458	62024	3.96%	0.836%
5	2.312	99	104	108	rBV	13356	32610	2.08%	0.440%
6	2.584	123	127	137	rBV	294413	866576	55.36%	11.687%
7	2.750	137	141	149	rVV	148308	388497	24.82%	5.239%
8	2.880	149	152	157	rVV	31517	81746	5.22%	1.102%
9	4.052	246	251	254	rBV2	6040	18562	1.19%	0.250%
10	4.702	298	306	324	rBV	49627	246692	15.76%	3.327%
11	5.448	364	369	374	rBV	63695	172047	10.99%	2.320%
12	5.554	374	378	385	rVB	132362	332389	21.24%	4.483%
13	6.607	462	467	475	rBV	166495	378585	24.19%	5.106%
14	6.951	489	496	502	rBV	8184	23335	1.49%	0.315%
15	8.477	621	625	631	rBV	115424	225714	14.42%	3.044%
16	8.595	631	635	639	rVV	253139	471864	30.15%	6.364%
17	8.678	639	642	648	rVB	138367	283813	18.13%	3.828%
18	9.033	667	672	684	rBV	29024	80725	5.16%	1.089%
19	10.287	774	778	784	rBV	216513	386752	24.71%	5.216%
20	10.429	786	790	796	rVB2	48564	94466	6.04%	1.274%
21	10.536	796	799	804	rBV	188877	319681	20.42%	4.311%
22	10.903	827	830	837	rVB	34800	50668	3.24%	0.683%
23	11.021	837	840	847	rBV	39796	59338	3.79%	0.800%
24	11.352	865	868	878	rBV	219982	311242	19.88%	4.198%
25	12.015	920	924	928	rBV2	37398	103818	6.63%	1.400%
26	12.169	934	937	939	rBV	17823	23238	1.48%	0.313%
27	12.263	942	945	949	rBV	315267	392984	25.11%	5.300%
28	12.346	949	952	956	rVB	15747	37751	2.41%	0.509%
29	12.429	956	959	962	rBV	46169	66471	4.25%	0.896%
30	12.500	962	965	972	rVB	7055	15657	1.00%	0.211%
31	12.914	998	1000	1006	rVB	14159	22799	1.46%	0.307%
32	13.435	1042	1044	1048	rBV2	14060	19881	1.27%	0.268%

Sum of corrected areas: 7414868

V1204144.D VW052704.M Thu Jul 15 15:06:16 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204144.D
Operator : TMP
Acquired : 25 Jun 2004 2:02 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406B33-001A
Misc Info : SAMP 8260_TCL4.2_W
Vial Number: 15
Quant File :VW052704.RES (RTE Integrator)



V1204144.D VW052704.M Thu Jul 15 15:06:17 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	235.45 ug/L	1565250	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****
Peak Number 2 Propene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	13.74 ug/L	91313	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	86
2	Cyclopropane	42	C3H6	000075-19-4	59
3	Propene	42	C3H6	000115-07-1	58
4	Cyclopropane	42	C3H6	000075-19-4	53
5	Cyclopropane	42	C3H6	000075-19-4	10

****
Peak Number 3 Silane, fluorotrimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	28.34 ug/L	188381	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, fluorotrimethyl-	92	C3H9FSi	000420-56-4	91
2	Silane, fluorotrimethyl-	92	C3H9FSi	000420-56-4	91
3	Silane, fluorotrimethyl-	92	C3H9FSi	000420-56-4	43
4	Trimethylphosphine oxide	92	C3H9OP	000676-96-0	17
5	Propane, 2-chloro-2-nitro-	123	C3H6ClNO2	000594-71-8	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
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****

Peak Number 4 Methanethiol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	9.33 ug/L	62024	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	59
2	Methanethiol	48	CH4S	000074-93-1	52
3	Methanethiol	48	CH4S	000074-93-1	50
4	Propanal, 3-(methylthio)-	104	C4H8OS	003268-49-3	43
5	O-Methylhydroxylamine	47	CH5NO	1000202-02-6	9

****

Peak Number 5 1-Propene, 3-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	12.30 ug/L	81746	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3-chloro-	76	C3H5Cl	000107-05-1	78
2	2-Butenal	70	C4H6O	004170-30-3	43
3	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	43
4	Methylenecyclopropane	54	C4H6	006142-73-0	40
5	1-Propene, 3-chloro-	76	C3H5Cl	000107-05-1	10

****

Peak Number 6 Silanol, trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	37.11 ug/L	246692	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	74
2	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	64
3	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	62
4	Silanol, dimethyl(1,1,2-trimethylpr	160	C8H20OSi	055644-10-5	38
5	Ethanol, 2-ethoxy-	90	C4H10O2	000110-80-5	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 2-Hexanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	10.44 ug/L	80725	Chlorobenzene-d5	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	78
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	72
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
4	2-Nonanol	144	C9H20O	000628-99-9	64
5	6-Methoxy-2-hexanol	132	C7H16O2	1000216-63-1	50

****

Peak Number 8 2-Heptanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	7.67 ug/L	59338	Chlorobenzene-d5	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	91
3	2-Heptanone	114	C7H14O	000110-43-0	86
4	2-Heptanone	114	C7H14O	000110-43-0	78
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	72

****

Peak Number 9 Benzaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	13.21 ug/L	103818	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde	106	C7H6O	000100-52-7	96
2	Benzaldehyde	106	C7H6O	000100-52-7	96
3	Benzaldehyde	106	C7H6O	000100-52-7	95
4	Benzaldehyde	106	C7H6O	000100-52-7	94
5	Benzaldehyde	106	C7H6O	000100-52-7	94

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204144.D Vial: 15
Acq On : 25 Jun 2004 2:02 pm Operator: TMP
Sample : 0406B33-001A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 1-Hexanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	8.46 ug/L	66471	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	53
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 2:02 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204144.D
Name: 0406B33-001A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	235.5	ug/L	1565250	ISTD01	5.55	332389	50.0
Propene	1.32	13.7	ug/L	91313	ISTD01	5.55	332389	50.0
Silane, fluorotrimethyl-	1.67	28.3	ug/L	188381	ISTD01	5.55	332389	50.0
Methanethiol	1.76	9.3	ug/L	62024	ISTD01	5.55	332389	50.0
1-Propene, 3-chloro-	2.88	12.3	ug/L	81746	ISTD01	5.55	332389	50.0
Silanol, trimethyl-	4.70	37.1	ug/L	246692	ISTD01	5.55	332389	50.0
2-Hexanol	9.03	10.4	ug/L	80725	ISTD03	10.29	386752	50.0
2-Heptanone	11.02	7.7	ug/L	59338	ISTD03	10.29	386752	50.0
Benzaldehyde	12.02	13.2	ug/L	103818	ISTD04	12.26	392984	50.0
1-Hexanol, 2-ethyl-	12.43	8.5	ug/L	66471	ISTD04	12.26	392984	50.0

V1204144.D VW052704.M Thu Jul 15 15:06:23 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204145.D Vial: 16
Acq On : 25 Jun 2004 2:26 pm Operator: TMP
Sample : 0406B33-002A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:57 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	96617	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	133385	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	142470	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	79014	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.46	113	46129	57.87 ug/L	0.01
Spiked Amount 50.000	Range 70 - 126		Recovery = 115.74%		
42) Toluene-d8	8.64	98	144117	56.71 ug/L	0.05
Spiked Amount 50.000	Range 74 - 120		Recovery = 113.42%		
59) 4-Bromofluorobenzene	11.35	95	79366	64.67 ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 129.34%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.	
3) Chloromethane	0.00	50	0	N.D.	
4) Vinyl chloride	0.00	62	0	N.D.	
5) Bromomethane	0.00	94	0	N.D.	
6) Chloroethane	0.00	64	0	N.D.	
7) Trichlorofluoromethane	0.00	101	0	N.D.	
8) Acrolein	0.00	56	0	N.D.	
9) 1,1-Dichloroethene	0.00	96	0	N.D.	
10) Freon-113	0.00	101	0	N.D.	
11) Acetone	2.57	58	53636	493.56 ug/L #	1
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Methyl Acetate	0.00	43	0	N.D. d	
15) Vinyl acetate	0.00	43	0	N.D. d	
16) Methylene chloride	0.00	84	0	N.D.	
17) Acrylonitrile	0.00	53	0	N.D. d	
18) Methyl tert-butyl ether	0.00	73	0	N.D.	
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.	
20) 1,1-Dichloroethane	0.00	63	0	N.D.	
21) 2,2-Dichloropropane	0.00	77	0	N.D. d	
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.	
23) 2-Butanone	4.74	72	43495	303.31 ug/L #	27
24) Bromochloromethane	0.00	128	0	N.D.	
25) Chloroform	0.00	83	0	N.D.	
26) Cyclohexane	0.00	56	0	N.D. d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
30) 1,1-Dichloropropene	0.00	110	0	N.D. d	
31) Carbon tetrachloride	0.00	119	0	N.D.	
32) Benzene	0.00	78	0	N.D.	
33) 1,2-Dichloroethane	0.00	62	0	N.D.	
34) Trichloroethene	0.00	130	0	N.D.	
35) Methylcyclohexane	0.00	55	0	N.D. d	
36) 1,2-Dichloropropane	0.00	63	0	N.D.	
37) Dibromomethane	0.00	93	0	N.D.	
38) Bromodichloromethane	0.00	83	0	N.D. d	
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.	
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.	
41) 4-Methyl-2-pentanone	8.49	43	24437	27.05 ug/L #	82
43) Toluene	8.71	92	68110094m	37171.81 ug/L	
44) trans-1,3-Dichloropropene	0.00	75	0	N.D. d	
45) 1,1,2-Trichloroethane	0.00	83	0	N.D. d	
47) 2-Hexanone	0.00	43	0	N.D. d	
48) Tetrachloroethene	0.00	166	0	N.D.	
49) 1,3-Dichloropropane	0.00	76	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204145.D Vial: 16
Acq On : 25 Jun 2004 2:26 pm Operator: TMP
Sample : 0406B33-002A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:57 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	10.43	91	1473680	330.24 ug/L	97
55)	m,p-Xylene	10.55	91	3090276	910.77 ug/L	90
56)	o-Xylene	10.90	91	771046	225.93 ug/L	93
57)	Styrene	0.00	104	0	N.D. d	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D. d	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D. d	
65)	n-Propylbenzene	11.58	91	1092	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D. d	
67)	2-Chlorotoluene	11.58	91	1092	N.D.	
68)	4-Chlorotoluene	11.79	91	1202	N.D.	
69)	1,3,5-Trimethylbenzene	11.66	105	1384	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D. d	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D. d	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	13.83	128	23468	10.14 ug/L	100
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

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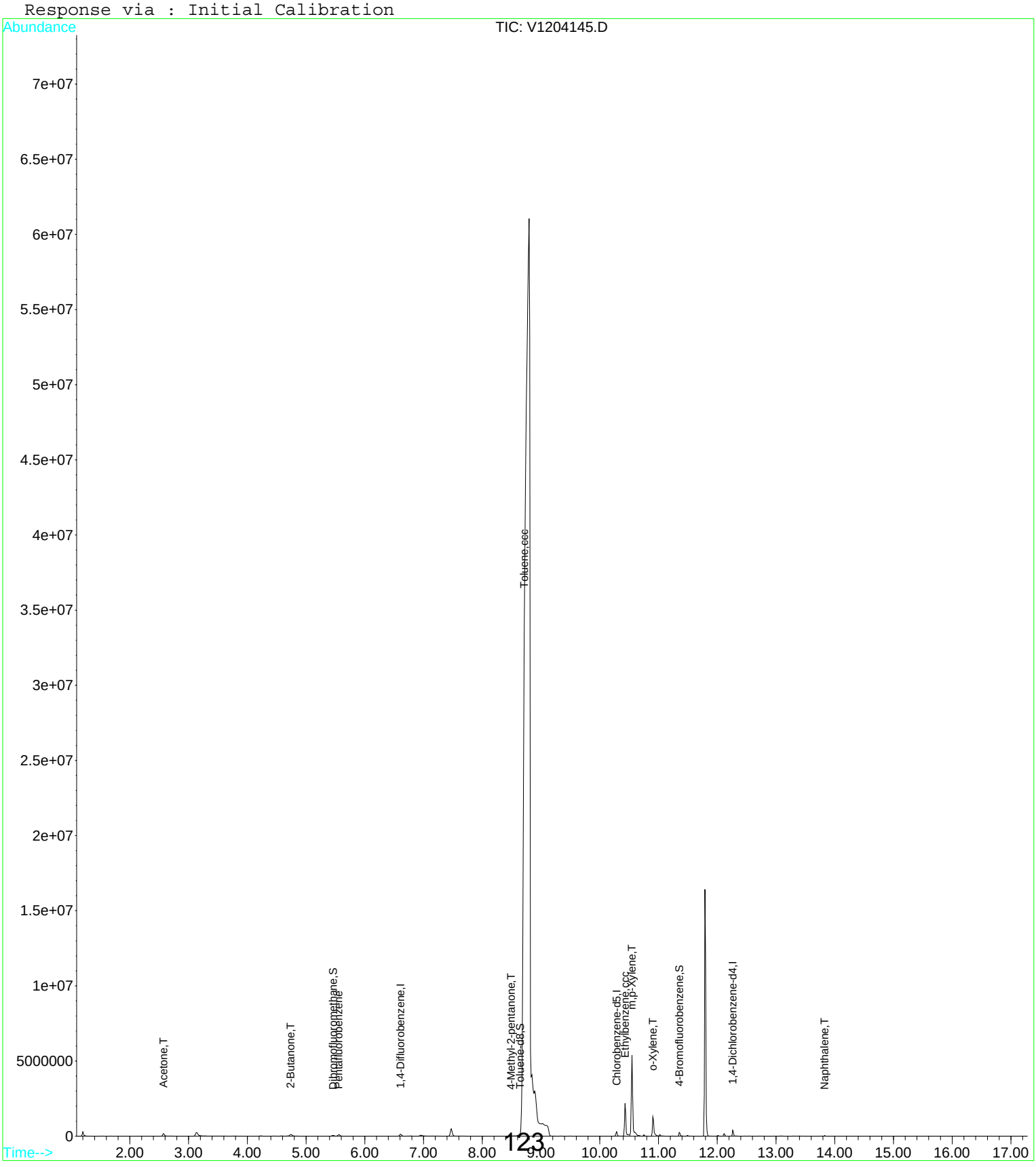
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:57 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204145.D Vial: 16
Acq On : 25 Jun 2004 2:26 pm Operator: TMP
Sample : 0406B33-002A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.797	638	652	655	rBV3	60975186	353639429	100.00%	91.807%
2	10.548	797	800	803	rVV	5375025	8272493	2.34%	2.148%
3	11.791	902	905	908	rBV	16427847	23284873	6.58%	6.045%

Sum of corrected areas: 385196795

V1204145.D VW052704.M Thu Jul 15 15:07:13 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204145.D
Operator : TMP
Acquired : 25 Jun 2004 2:26 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406B33-002A
Misc Info : SAMP 8260_TCL4.2_W
Vial Number: 16
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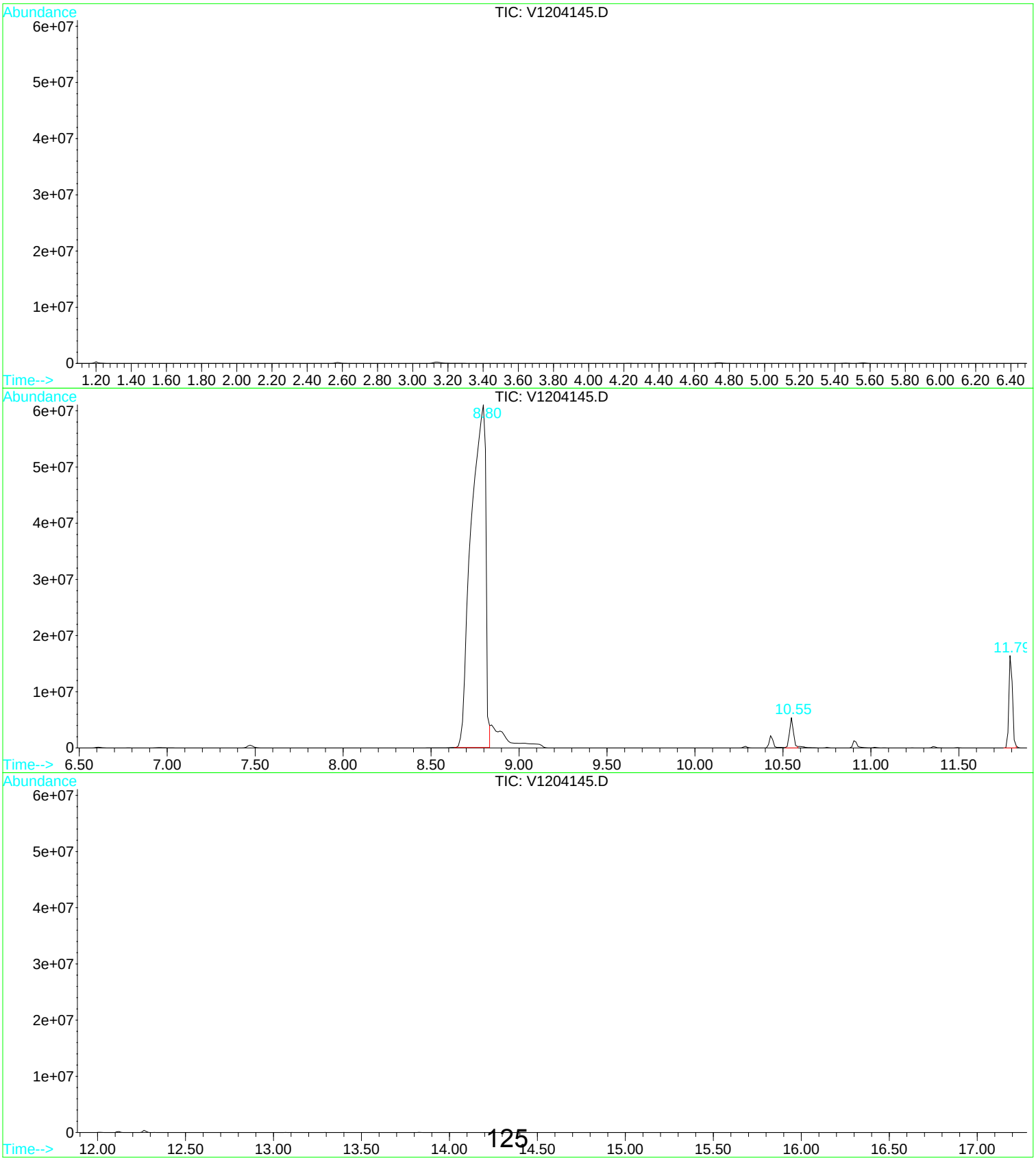


V1204145.D VW052704.M Thu Jul 15 15:07:14 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204145.D Vial: 16
Acq On : 25 Jun 2004 2:26 pm Operator: TMP
Sample : 0406B33-002A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	2137.44 ug/L	353639000	Chlorobenzene-d5	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	87
4	1,5-Hexadien-3-yne, 2-methyl-	92	C7H8	000820-54-2	80
5	1,5-Hexadien-3-yne, 2-methyl-	92	C7H8	000820-54-2	80

****

Peak Number 2 2-Propenoic acid, 2-methyl-, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	50.00 ug/L	23284900	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, butyl	142	C8H14O2	000097-88-1	90
2	2-Propenoic acid, 2-methyl-, hexyl	170	C10H18O2	000142-09-6	64
3	2-Butenoic acid, butyl ester	142	C8H14O2	007299-91-4	50
4	2-Propenoic acid, 2-methyl-, butyl	142	C8H14O2	000097-88-1	50
5	2-Propenoic acid, 2-methyl-, 2-prop	126	C7H10O2	000096-05-9	47

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 2:26 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204145.D
Name: 0406B33-002A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	8.80	2137.4	ug/L	353639000	ISTD03	10.29	8272490	50.0
2-Propenoic acid, 2-methyl-, butyl ester	11.79	50.0	ug/L	23284900	ISTD04	12.26	23284900	50.0

V1204145.D VW052704.M Thu Jul 15 15:07:15 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204148.D Vial: 19
Acq On : 25 Jun 2004 3:40 pm Operator: TMP
Sample : 0406B33-001A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:11 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	104968	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	157234	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	123140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	63724	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	48418	51.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 103.04%			
42) Toluene-d8	8.60	98	164809	55.02	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 110.04%			
59) 4-Bromofluorobenzene	11.36	95	61223	57.72	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 115.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	2.56	58	16412	130.31	ug/L #	7
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	2.75	76	17936	6.17	ug/L	100
14) Methyl Acetate	0.00	43	0	N.D. d		
15) Vinyl acetate	0.00	43	0	N.D. d		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.68	92	12006	5.56	ug/L	97
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204148.D Vial: 19
Acq On : 25 Jun 2004 3:40 pm Operator: TMP
Sample : 0406B33-001A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:11 2004 Quant Results File: VW052704.RES

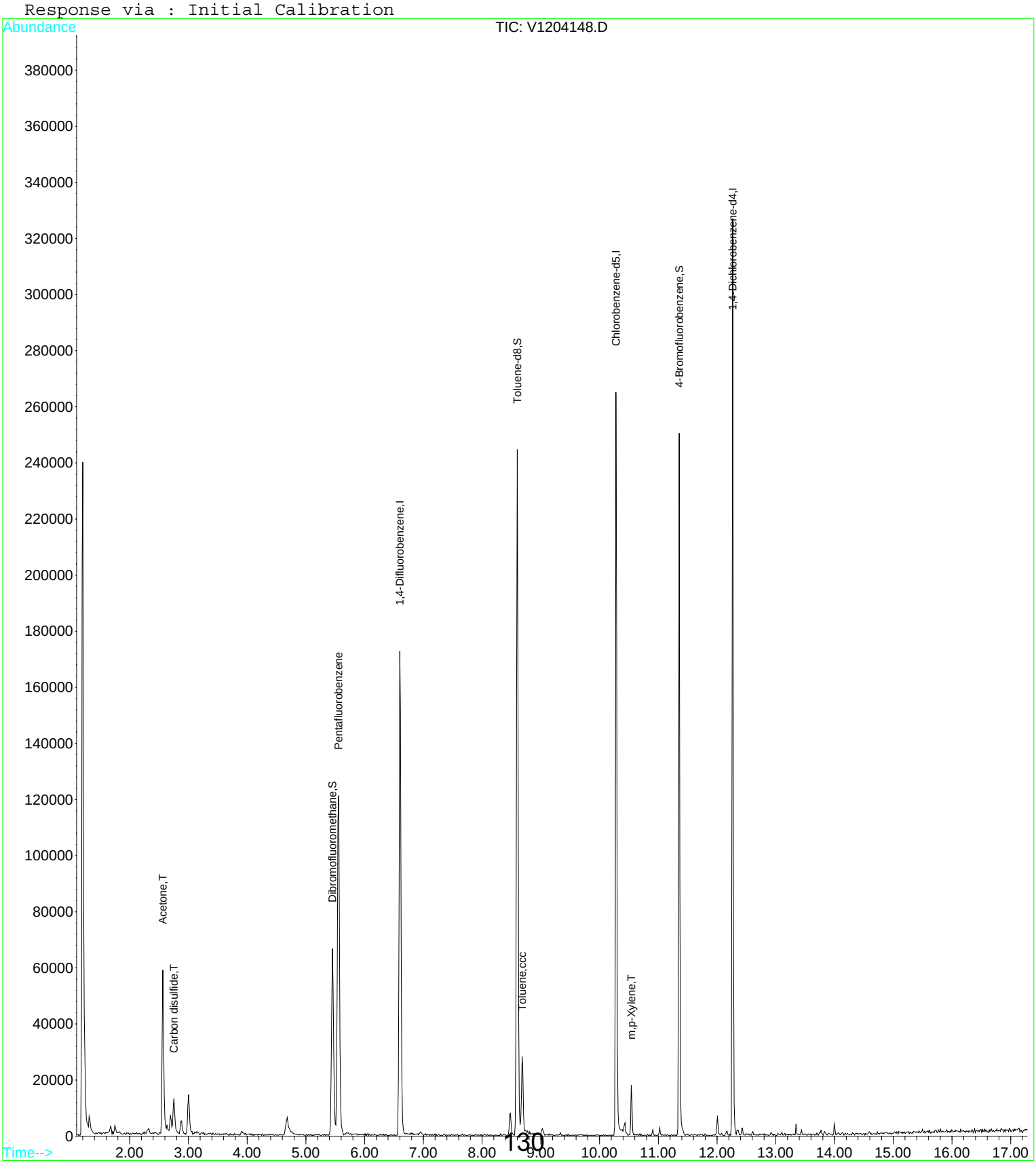
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D. d	
55)	m,p-Xylene	10.54	91	8840	3.01 ug/L	94
56)	o-Xylene	10.91	91	1152	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204148.D Vial: 19
Acq On : 25 Jun 2004 3:40 pm Operator: TMP
Sample : 0406B33-001A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:11 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 12:15:35**
Prep End Date: **6/25/2004 12:14:00**

Prep Batch **47074** Prep Code: **5035** Technician: **Toi Patin**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B33-003AMS	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B33-003AMSD	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B54-003A	Soil		8.79	0	0	5	0.569	6/24/2004	6/25/2004
0406B54-007A	Soil		7.29	0	0	5	0.686	6/24/2004	6/25/2004
0406C14-001A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406C14-002A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406C14-003A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
LCS-47074			5	0	0	5	1.000	6/24/2004	6/25/2004
MB-47074			5	0	0	5	1.000	6/24/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074** SampType: **MBLK** TestCode: **8260_TCL4.2** Units: **µg/Kg** Prep Date: **6/24/2004** RunNo: **52662**
Client ID: Batch ID: **47074** TestNo: **SW8260B** Analysis Date: **6/28/2004** SeqNo: **1011226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52662**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/28/2004**	SeqNo: **1011226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	250									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2312	0	2500	0	92.5	65.3	133	0	0		
Surr: Dibromofluoromethane	2708	0	2500	0	108	80.1	121	0	0		
Surr: Toluene-d8	2972	0	2500	0	119	67.8	145	0	0		

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074** SampType: **MBLK** TestCode: **8260_TCL4.2** Units: **µg/Kg** Prep Date: **6/24/2004** RunNo: **52530**
Client ID: Batch ID: **47074** TestNo: **SW8260B** Analysis Date: **6/24/2004** SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	1000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	250									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2596	0	2500	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	2697	0	2500	0	108	80.1	121	0	0		
Surr: Toluene-d8	2589	0	2500	0	104	67.8	145	0	0		

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	52.21	0	50	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	52.73	0	50	0	105	80.1	121	0	0		
Surr: Toluene-d8	48.16	0	50	0	96.3	67.8	145	0	0		

Sample ID: **LCS-47074**	SampType: **LCS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	2128	250	2500	0	85.1	58.8	139	0	0		
Benzene	2316	250	2500	0	92.6	77.6	128	0	0		
Chlorobenzene	2519	250	2500	0	101	80.4	131	0	0		
Toluene	2685	250	2500	0	107	79.4	132	0	0		
Trichloroethene	2716	250	2500	0	109	81.8	147	0	0		
Surr: 4-Bromofluorobenzene	2680	0	2500	0	107	65.3	133	0	0		
Surr: Dibromofluoromethane	2751	0	2500	0	110	80.1	121	0	0		
Surr: Toluene-d8	2610	0	2500	0	104	67.8	145	0	0		

Sample ID: **0406B33-003AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID: **JW-WA-03**	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	227700	25000	250000	0	91.1	46.3	140	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **0406B33-003AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID: **JW-WA-03**	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	234000	25000	250000	0	93.6	58.7	138	0	0		
Chlorobenzene	252100	25000	250000	0	101	55.3	141	0	0		
Toluene	262400	25000	250000	0	105	52.1	144	0	0		
Trichloroethene	262500	25000	250000	0	105	65.4	148	0	0		
Surr: 4-Bromofluorobenzene	273000	0	250000	0	109	65.3	133	0	0		
Surr: Dibromofluoromethane	269800	0	250000	0	108	80.1	121	0	0		
Surr: Toluene-d8	257700	0	250000	0	103	67.8	145	0	0		

Sample ID: **0406B33-003AMSD**	SampType: **MSD**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID: **JW-WA-03**	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	210400	25000	250000	0	84.2	46.3	140	227700	7.90	22.9	
Benzene	235400	25000	250000	0	94.2	58.7	138	234000	0.639	16.8	
Chlorobenzene	247800	25000	250000	0	99.1	55.3	141	252100	1.72	23.5	
Toluene	264900	25000	250000	0	106	52.1	144	262400	0.967	18.6	
Trichloroethene	257400	25000	250000	0	103	65.4	148	262500	1.94	21.4	
Surr: 4-Bromofluorobenzene	271200	0	250000	0	108	65.3	133	273000	0	0	
Surr: Dibromofluoromethane	275100	0	250000	0	110	80.1	121	269800	0	0	
Surr: Toluene-d8	254000	0	250000	0	102	67.8	145	257700	0	0	

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	250									
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	BRL	250									
1,2,3-Trichlorobenzene	BRL	250									
1,2,3-Trichloropropane	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2,4-Trimethylbenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloroethene, Total	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3,5-Trimethylbenzene	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,3-Dichloropropane	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2,2-Dichloropropane	BRL	250									
2-Butanone	BRL	500									
2-Chloroethyl vinyl ether	BRL	500									
2-Chlorotoluene	BRL	250									
2-Hexanone	BRL	500									
4-Chlorotoluene	BRL	250									
4-Isopropyltoluene	BRL	250									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Acrolein	BRL	2500									
Acrylonitrile	BRL	2500									
Benzene	BRL	250									
Bromobenzene	BRL	250									
Bromochloromethane	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dibromomethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Hexachlorobutadiene	BRL	250									
Iodomethane	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
Naphthalene	BRL	250									
n-Butylbenzene	BRL	250									
n-Propylbenzene	BRL	250									
o-Xylene	BRL	250									
sec-Butylbenzene	BRL	250									
Styrene	BRL	250									
tert-Butylbenzene	BRL	250									
Tetrachloroethene	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
trans-1,4-Dichloro-2-butene	BRL	500									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl acetate	BRL	500									
Vinyl chloride	BRL	500									
Xylenes, Total	BRL	250									
Surr: 4-Bromofluorobenzene	2610	250	2500	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	2636	250	2500	0	105	80.1	121	0	0		
Surr: Toluene-d8	2408	250	2500	0	96.3	67.8	145	0	0		

Qualifiers:

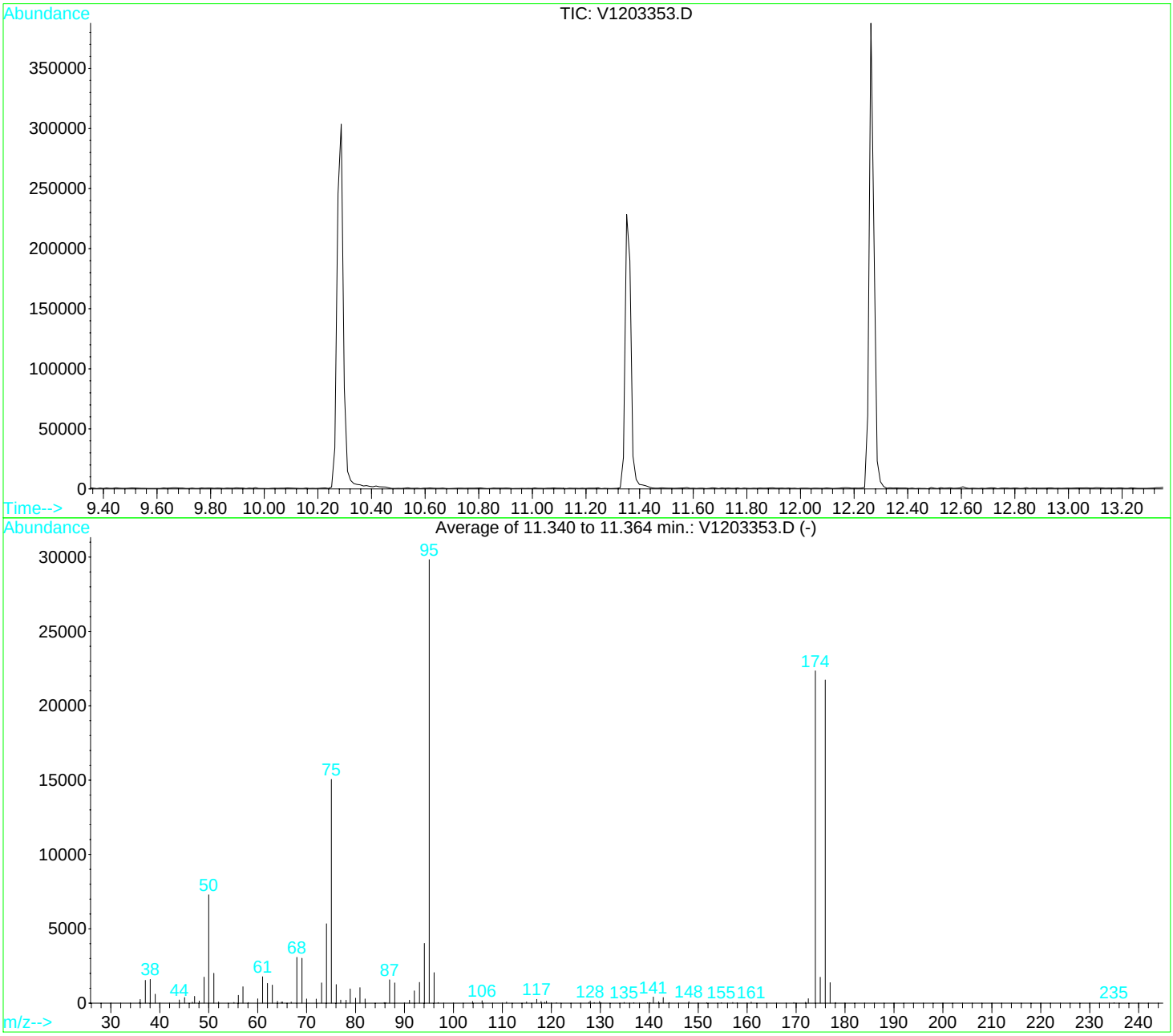
B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: C:\HPCHEM\1\DATA\052704

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1203351.D	1.	BLANK	BLANK	27 May 2004 08:31
2	2	V1203352.D	1.	BLANK	BLANK	27 May 2004 08:56
3	3	V1203353.D	1.	BFB	TUNE BFB_4	27 May 2004 09:21
4	4	V1203354.D	1.	8260 ICAL 002 W	ICAL 8260B_W_CLP	27 May 2004 09:52
5	5	V1203355.D	1.	8260 ICAL 005 W	ICAL 8260B_W_CLP	27 May 2004 10:43
6	6	V1203356.D	1.	8260 ICAL 010 W	ICAL 8260B_W_CLP	27 May 2004 11:08
7	7	V1203357.D	1.	8260 ICAL 020 W	ICAL 8260B_W_CLP	27 May 2004 11:33
8	8	V1203358.D	1.	8260 ICAL 030 W	ICAL 8260B_W_CLP	27 May 2004 12:30
9	9	V1203359.D	1.	8260 ICAL 050 W	ICAL 8260B_W_CLP	27 May 2004 12:55
10	10	V1203360.D	1.	8260 ICAL 100 W	ICAL 8260B_W_CLP	27 May 2004 13:20
11	11	V1203361.D	1.	8260 ICAL 150 W	ICAL 8260B_W_CLP	27 May 2004 13:45
12	12	V1203362.D	1.	8260 ICAL 200 W	ICAL 8260B_W_CLP	27 May 2004 14:10
13	13	V1203363.D	1.	MB----------	MBLK 8260B_W_CLP	27 May 2004 14:35
14	14	V1203364.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 15:00
15	15	V1203365.D	1.	BFB	TUNE BFB_4	27 May 2004 16:05
16	16	V1203366.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 16:30
17	17	V1203367.D	1.	MB----------	MBLK 8260B_W	27 May 2004 16:56
18	18	V1203368.D	1.	APPIX IX STD 4	CCV 8260B_W	27 May 2004 17:21
19	19	V1203369.D	1.	MB-45785	MBLK 8260B_W	27 May 2004 17:46
20	20	V1203370.D	1.	0405649-008A	SAMP 8260_A2_W	27 May 2004 18:11

Data File : C:\HPCHEM\1\DATA\052704\V1203353.D Vial: 3
Acq On : 27 May 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.364 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	7291	PASS
75	95	30	60	50.4	15046	PASS
95	95	100	100	100.0	29830	PASS
96	95	5	9	6.9	2057	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	22347	PASS
175	174	5	9	7.8	1747	PASS
176	174	95	101	97.3	21737	PASS
177	176	5	9	6.3	1378	PASS

V1203353.D VW052704.M Fri May 28 11:05:19 2004

Response Factor Report GC/MS 12

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
1)		Pentafluorobenzene	ISTD							
2)	T	Dichlorodifluoromet	0.405	0.368	0.343	0.381	0.372	0.382	0.368	8.54
3)	pcc	Chloromethane	0.593	0.618	0.520	0.517	0.512	0.475	0.530	10.51
4)	ccc	Vinyl chloride	0.465	0.431	0.400	0.410	0.376	0.358	0.404	10.43
5)	T	Bromomethane	0.237	0.246	0.176	0.139	0.165	0.149	0.186	22.26
6)	T	Chloroethane	0.270	0.293	0.233	0.191			0.258	14.96
7)	T	Trichlorofluorometh	0.699	0.677	0.616	0.667	0.715	0.697	0.675	6.03
8)	T	Acrolein	0.069	0.065	0.067	0.062	0.059		0.064	6.32
9)	ccc	1,1-Dichloroethene	0.519	0.402	0.442	0.409	0.415	0.338	0.423	13.34
10)		Freon-113	0.396	0.333	0.336	0.308	0.305	0.266	0.327	12.49
11)	T	Acetone	0.088	0.097	0.080		0.056	0.056	0.072	23.13
12)	T	Iodomethane	0.745	0.700	0.680	0.645	0.658	0.601	0.681	7.53
13)	T	Carbon disulfide	1.632	1.447	1.422	1.316	1.314	1.078	1.384	12.92
14)		Methyl Acetate	1.055	0.944	0.954	0.804	0.782		0.885	13.58
15)	T	Vinyl acetate	0.528	0.472	0.477	0.402	0.391		0.443	13.58
16)	T	Methylene chloride	0.810	0.611	0.561	0.481	0.457	0.416	0.616	38.07
17)	T	Acrylonitrile	0.281	0.275	0.262	0.238	0.233	0.200	0.248	11.34
18)		Methyl tert-butyl e	1.483	1.394	1.442	1.363	1.435	1.379	1.415	2.81
19)	T	trans-1,2-Dichloroe	0.592	0.505	0.500	0.486	0.477	0.427	0.505	10.39
20)	pcc	1,1-Dichloroethane	1.178	1.095	1.062	0.986	1.034	1.023	1.070	5.81
21)	T	2,2-Dichloropropane	0.443	0.415	0.430	0.391	0.405	0.412	0.413	6.98
22)	T	cis-1,2-Dichloroeth	0.529	0.507	0.529	0.511	0.544	0.556	0.535	3.21
23)	T	2-Butanone	0.065	0.088	0.081	0.073	0.070	0.080	0.074	10.41
24)	T	Bromochloromethane	0.258	0.242	0.266	0.234	0.233	0.243	0.249	5.38
25)	ccc	Chloroform	1.122	0.958	0.846	0.789	0.808	0.822	0.877	12.71
26)		Cyclohexane	1.033	0.858	0.835	0.769	0.821	0.812	0.848	9.40
27)	T	1,1,1-Trichloroetha	0.641	0.595	0.612	0.595	0.609	0.638	0.614	4.37
28)	I	1,4-Difluorobenzene	ISTD							
29)	S	Dibromofluoromethan	0.313	0.299	0.280	0.279	0.301	0.298	0.299	6.17
30)	T	1,1-Dichloropropene	0.137	0.117	0.138	0.136	0.140	0.144	0.138	6.16
31)	T	Carbon tetrachlorid	0.291	0.275	0.306	0.312	0.334	0.365	0.313	9.55
32)	M	Benzene	1.273	1.284	1.361	1.316	1.339	1.339	1.300	6.28
33)	T	1,2-Dichloroethane	0.432	0.437	0.455	0.431	0.440	0.453	0.440	1.93
34)	M	Trichloroethene	0.231	0.267	0.292	0.280	0.291	0.321	0.289	10.04
35)		Methylcyclohexane	0.213	0.211	0.276	0.276	0.296	0.300	0.268	13.49
36)	ccc	1,2-Dichloropropane	0.356	0.346	0.362	0.343	0.346	0.340	0.340	6.61
37)	T	Dibromomethane	0.173	0.174	0.186	0.184	0.182	0.185	0.179	5.20
38)	T	Bromodichloromethan	0.302	0.286	0.340	0.321	0.328	0.350	0.322	6.52
39)	T	2-Chloroethyl vinyl	0.199	0.259	0.309	0.313	0.325	0.317	0.290	14.87
40)	T	cis-1,3-Dichloropro	0.334	0.379	0.398	0.430	0.441	0.456	0.401	12.33
41)	T	4-Methyl-2-pentanon	0.276	0.326	0.390	0.371	0.374	0.362	0.339	14.46
42)	S	Toluene-d8	0.831	0.995	0.977	0.968	1.011	0.992	0.953	6.12
43)	ccc	Toluene	0.611	0.678	0.737	0.724	0.731	0.723	0.687	8.89
44)	T	trans-1,3-Dichlorop	0.228	0.280	0.329	0.369	0.381	0.402	0.335	18.53
45)	T	1,1,2-Trichloroetha	0.186	0.200	0.198	0.196	0.198	0.201	0.191	6.28
46)	I	Chlorobenzene-d5	ISTD							
47)	T	2-Hexanone	0.245	0.310	0.351	0.368	0.362	0.373	0.340	12.85
48)	T	Tetrachloroethene	0.324	0.300	0.309	0.312	0.325	0.322	0.318	3.60
49)	T	1,3-Dichloropropane	0.560	0.570	0.642	0.587	0.629	0.615	0.594	7.70
50)	T	Dibromochloromethan	0.297	0.290	0.299	0.317	0.328	0.337	0.309	6.74
51)	T	1,2-Dibromoethane	0.296	0.300	0.324	0.311	0.322	0.331	0.307	8.56
52)	pcc	Chlorobenzene	0.982	1.012	1.023	0.973	1.032	1.011	1.018	4.05#
53)	T	1,1,1,2-Tetrachloro	0.265	0.266	0.282	0.306	0.325	0.347	0.294	13.75
54)	ccc	Ethylbenzene	1.358	1.480	1.597	1.620	1.715	1.730	1.566	11.55
55)	T	m,p-Xylene	1.060	1.098	1.282	1.240	1.321	1.280	1.191	12.80
56)	T	o-Xylene	0.950	1.052	1.187	1.232	1.310	1.313	1.198	11.12
57)	T	Styrene	0.832	0.919	1.039	1.052	1.078	1.049	1.009	8.60

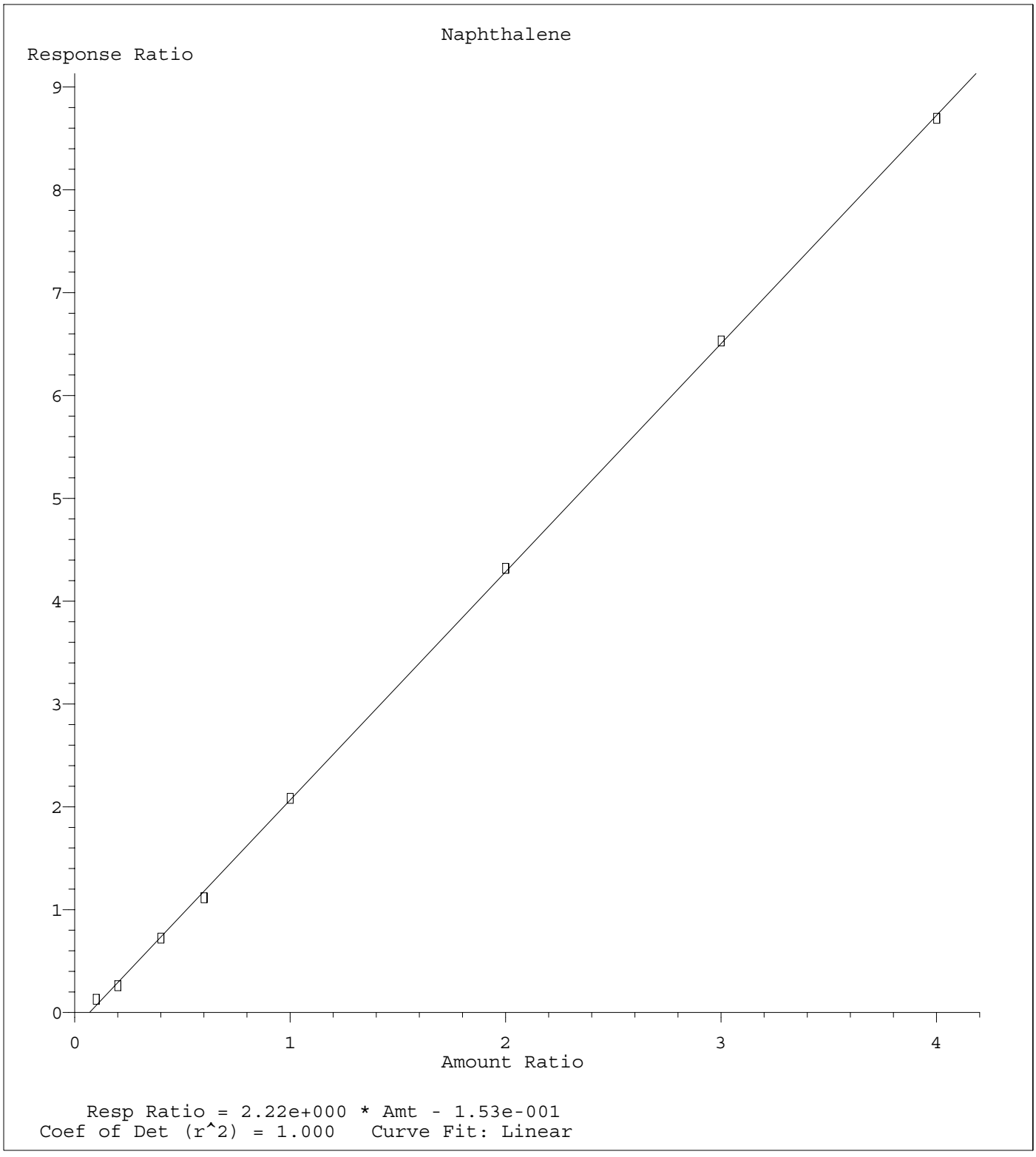
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

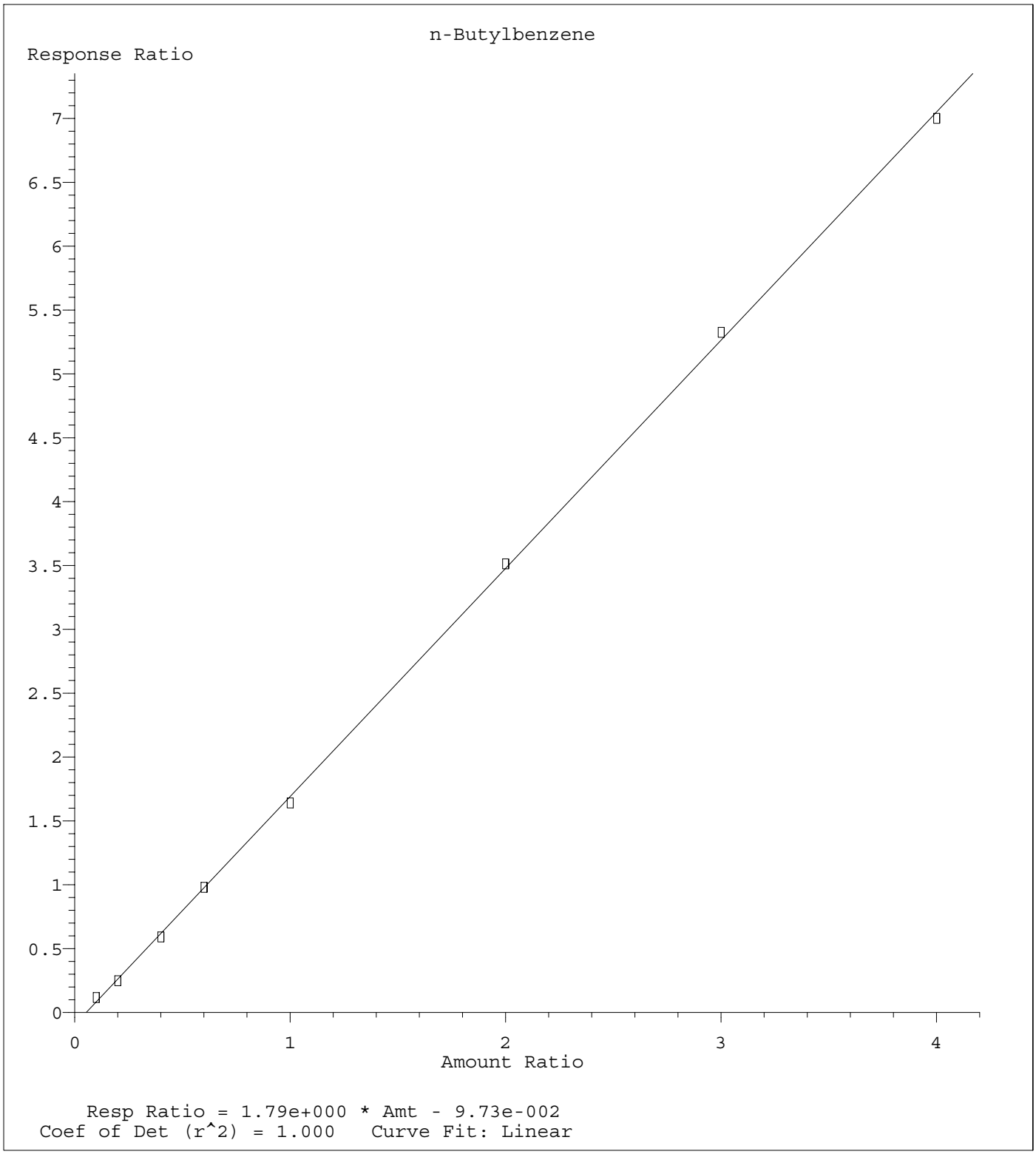
Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
58)	pcc	Bromoform	0.188	0.177	0.207	0.209	0.230	0.248	0.211	12.02#
59)	S	4-Bromofluorobenzen	0.342	0.435	0.423	0.442	0.490	0.499	0.431	13.51
60)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
61)	T	Bromobenzene	0.644	0.679	0.648	0.705	0.730	0.720	0.674	9.31
62)	pcc	1,1,2,2-Tetrachloro	0.867	0.777	0.785	0.830	0.814	0.676	0.796	8.07
63)	T	1,2,3-Trichloroprop	1.127	1.089	1.241	1.292	1.348	1.356	1.241	9.74
64)	T	Isopropylbenzene	1.675	1.765	2.101	2.315	2.394	2.456	2.175	14.02
65)	T	n-Propylbenzene	2.456	2.626	2.929	3.015	3.124	3.158	2.837	13.65
66)	T	trans-1,4-Dichloro-	0.038	0.028	0.043	0.055	0.055	0.058	0.048	22.36
67)	T	2-Chlorotoluene	1.657	1.758	1.896	1.908	2.008	2.013	1.847	11.92
68)	T	4-Chlorotoluene	1.915	2.113	2.169	2.281	2.346	2.369	2.170	10.44
69)	T	1,3,5-Trimethylbenz	1.576	1.545	1.820	1.913	2.033	2.011	1.854	10.55
70)	T	tert-Butylbenzene	1.256	1.290	1.627	1.752	1.849	1.911	1.653	15.49
71)	T	1,2,4-Trimethylbenz	1.519	1.711	1.987	2.057	2.154	2.198	1.987	12.37
72)	T	sec-Butylbenzene	1.522	1.617	1.936	2.057	2.197	2.265	1.987	14.20
73)	T	1,3-Dichlorobenzene	1.225	1.110	1.265	1.249	1.247	1.251	1.199	7.55
74)	T	4-Isopropyltoluene	1.428	1.503	1.826	1.883	1.968	2.011	1.803	12.25
75)	T	1,4-Dichlorobenzene	1.421	1.224	1.294	1.290	1.329	1.294	1.329	4.98
76)	T	1,2-Dichlorobenzene	1.189	1.236	1.249	1.228	1.264	1.227	1.214	6.06
77)	T	n-Butylbenzene	1.166	1.244	1.479	1.640	1.756	1.750	1.555	15.26
78)	T	1,2-Dibromo-3-chlor	0.121	0.125	0.142	0.131	0.145	0.149	0.133	13.37
79)	T	1,2,4-Trichlorobenz	0.506	0.461	0.541	0.622	0.657	0.691	0.596	14.61
80)	T	Hexachlorobutadiene	0.242	0.214	0.219	0.227	0.244	0.264	0.229	12.00
81)	T	Naphthalene	1.280	1.303	1.808	2.083	2.159	2.174	1.855	20.25
82)	T	1,2,3-Trichlorobenz	0.433	0.561	0.554	0.603	0.640	0.646	0.570	13.11

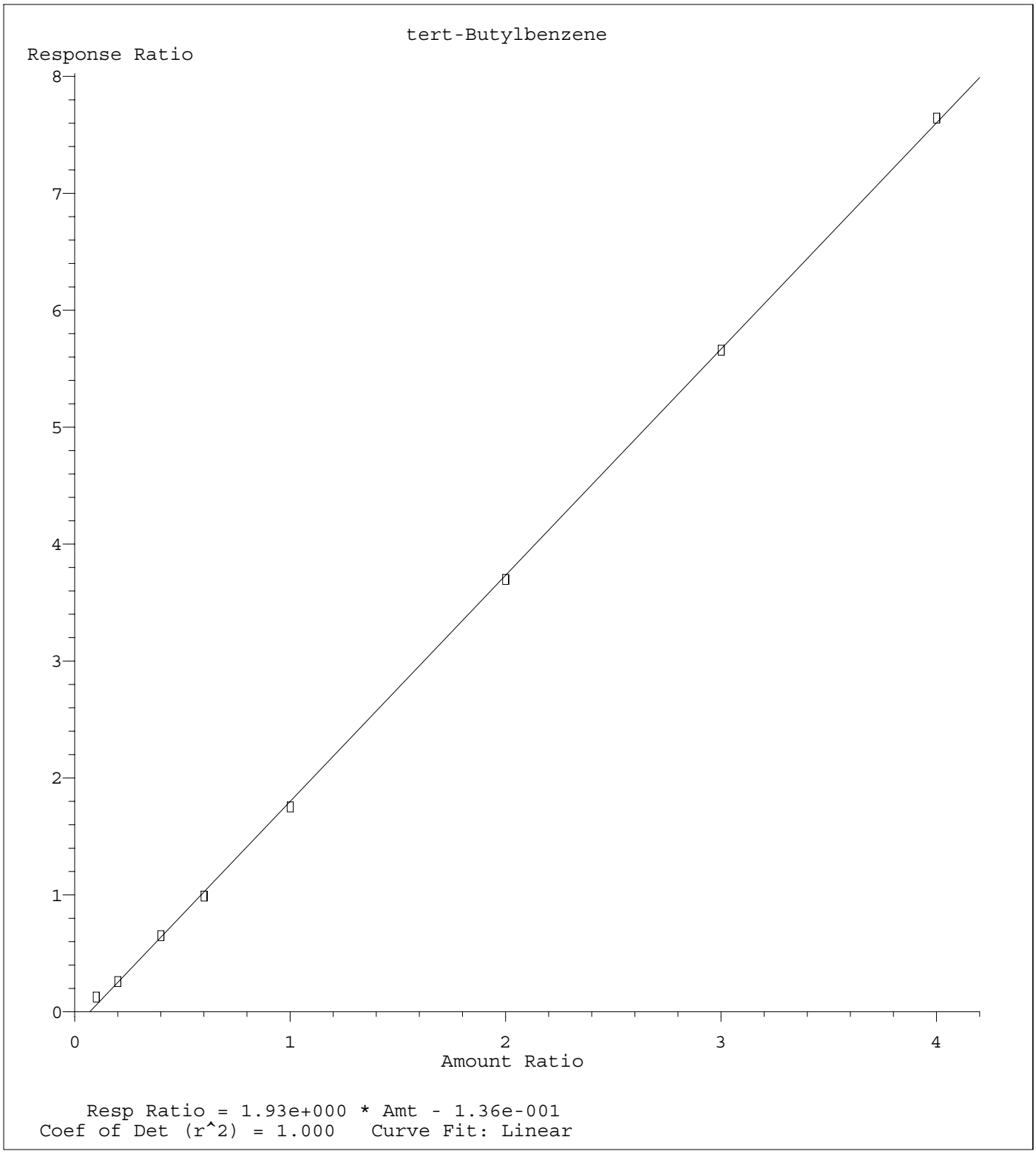
(#) = Out of Range ### Number of calibration levels exceeded format ###



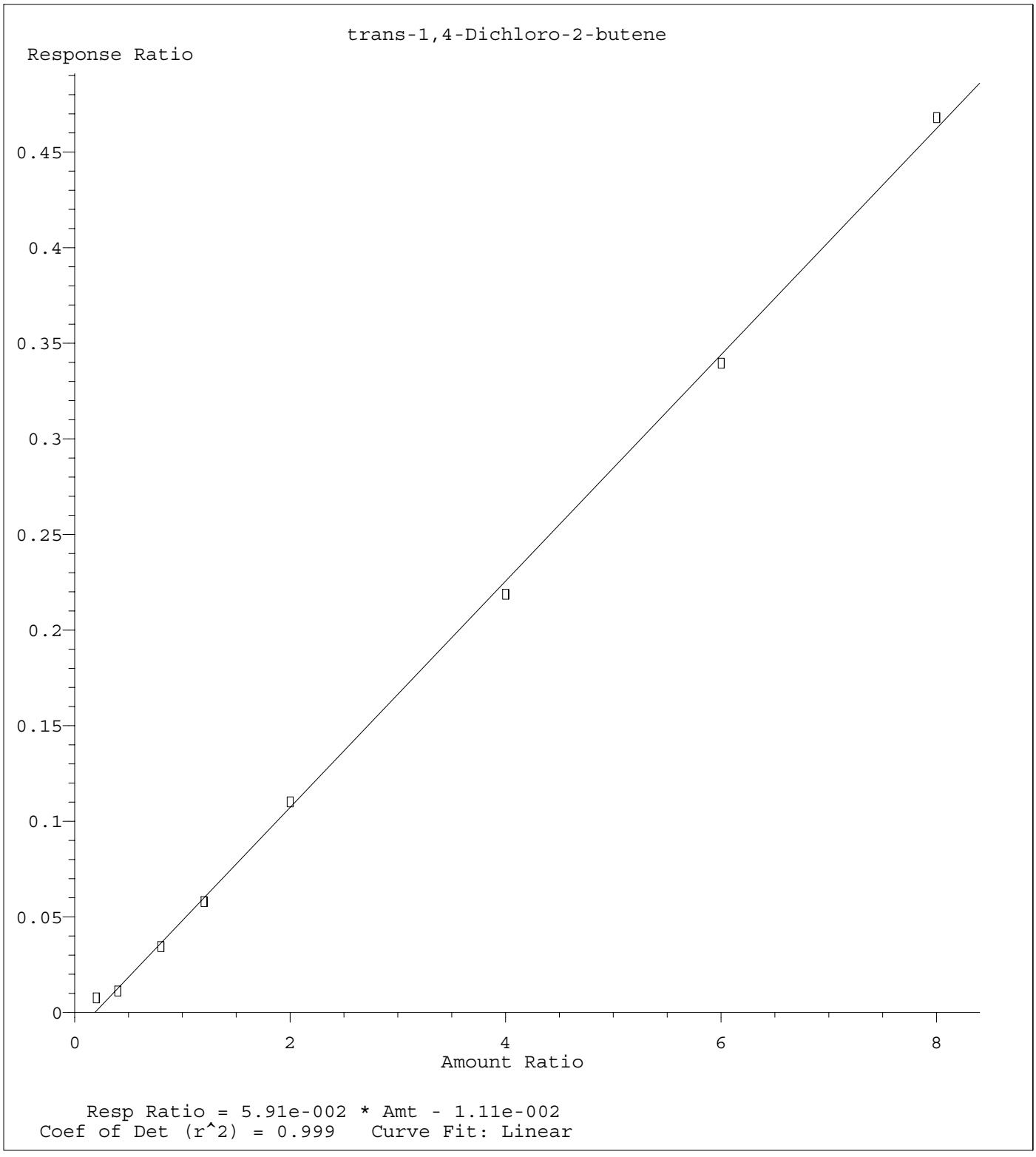
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



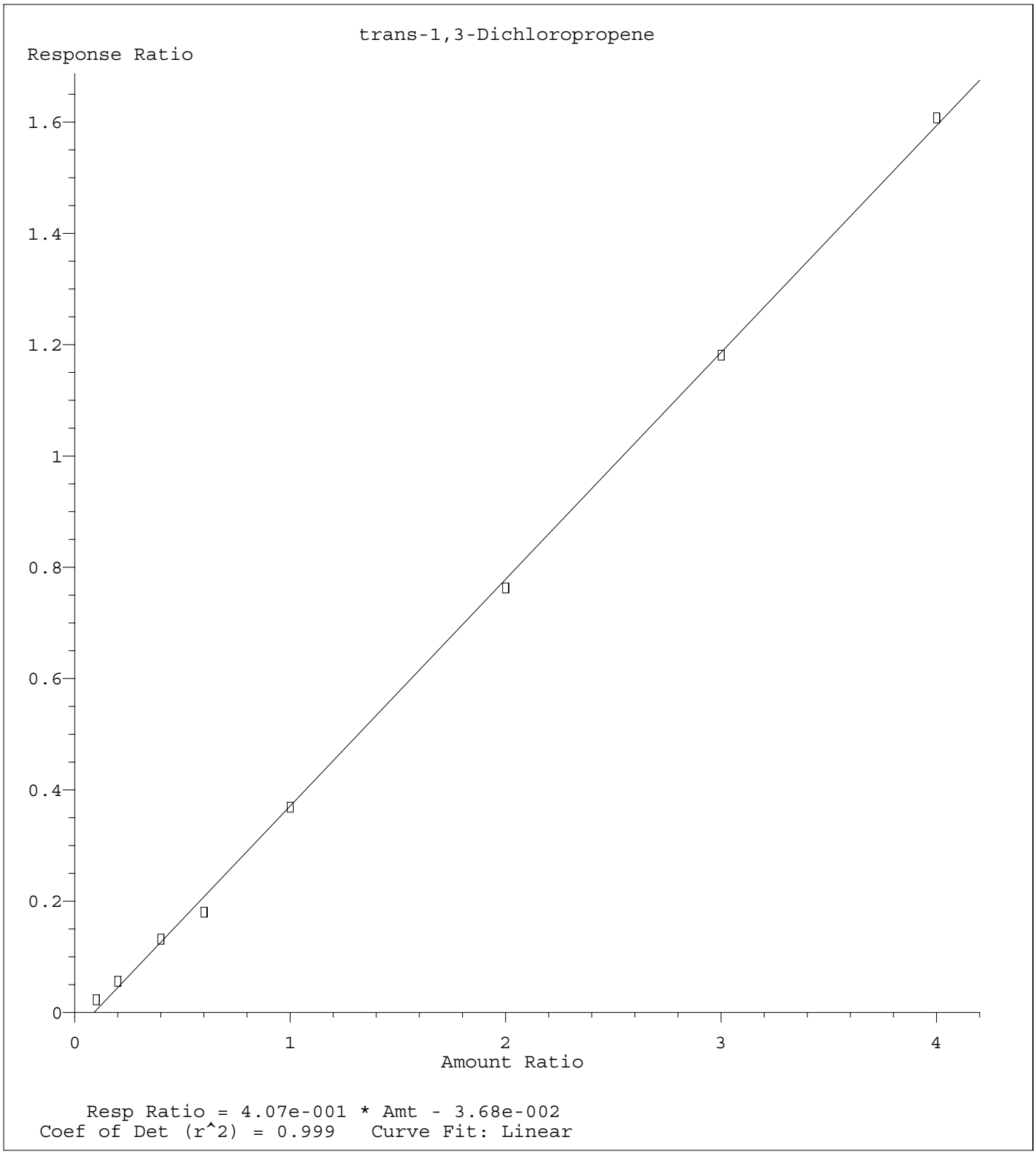
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



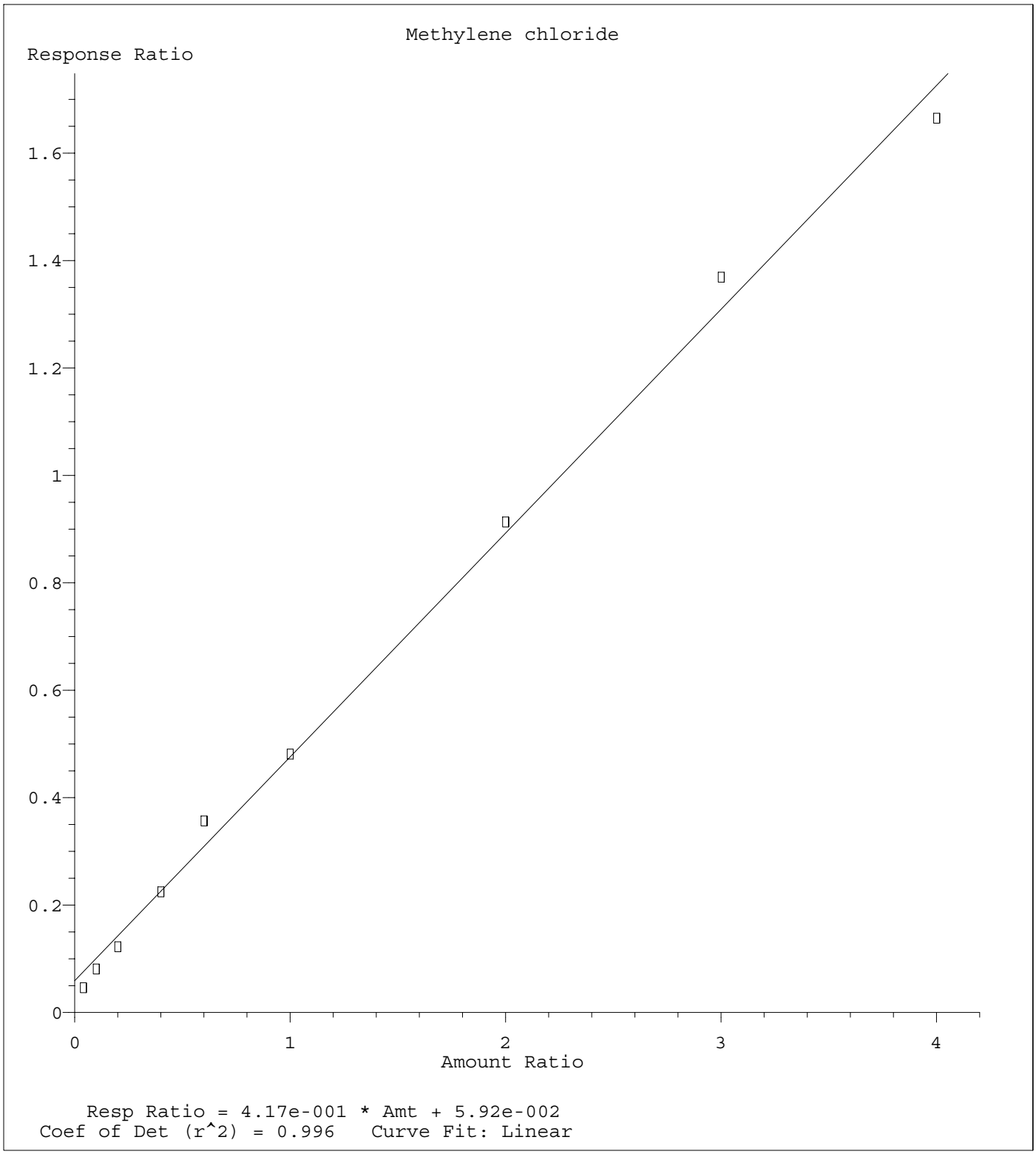
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



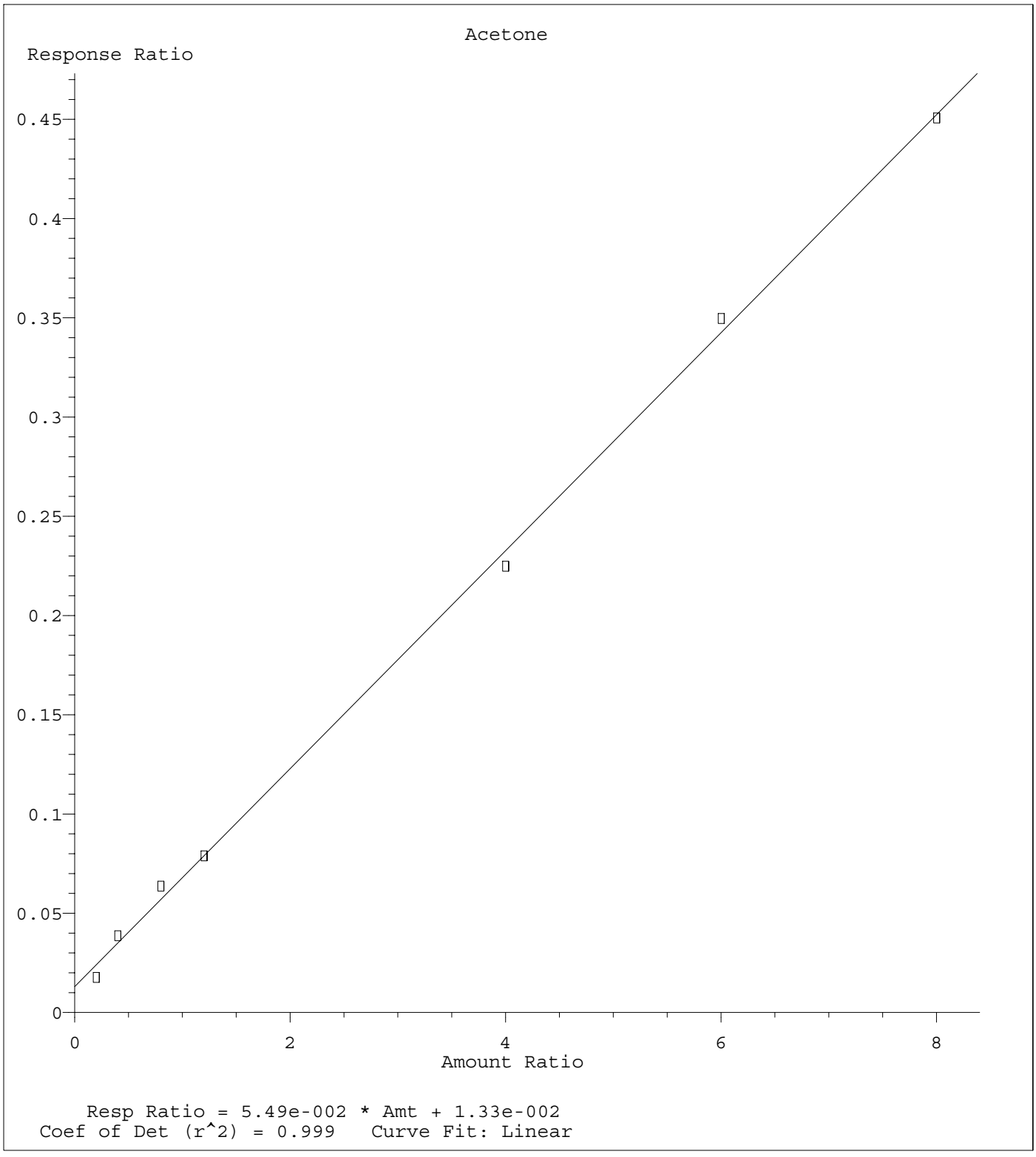
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



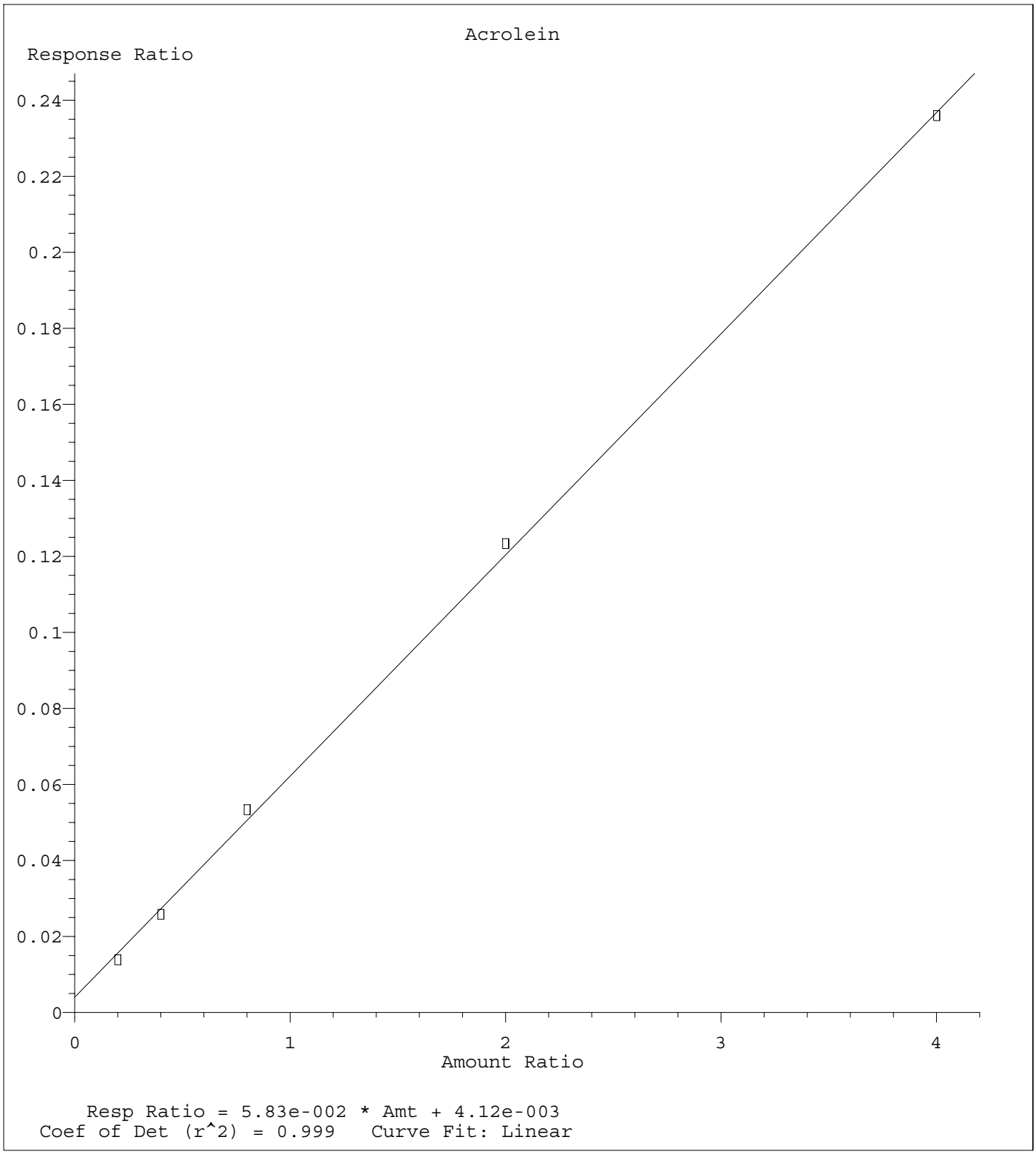
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



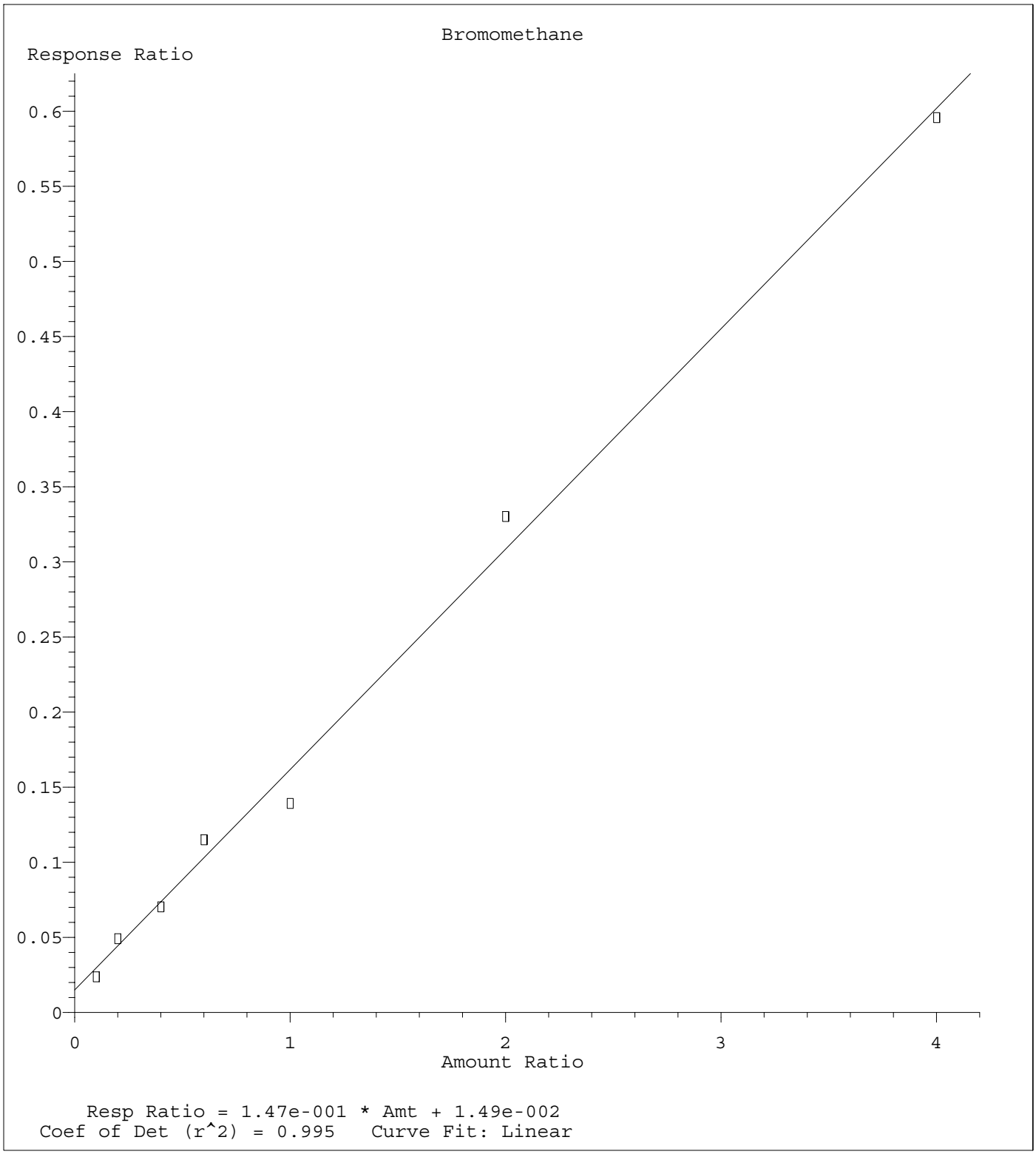
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	140600	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	223860	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	146358	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73278	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.45	113	3032	2.27 ug/L	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 4.54%#		
42) Toluene-d8	8.59	98	8086	1.90 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.80%		
59) 4-Bromofluorobenzene	11.35	95	1982	1.57 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.14%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.34	85	1669	1.61 ug/L #	43
3) Chloromethane	1.47	50	2607	1.75 ug/L	93
4) Vinyl chloride	1.57	62	2077	1.83 ug/L #	43
5) Bromomethane	1.83	94	1297	Below Cal	96
6) Chloroethane	1.90	64	1583	2.18 ug/L #	44
7) Trichlorofluoromethane	2.10	101	3379	1.78 ug/L	100
8) Acrolein	2.42	56	921	2.08 ug/L #	12
9) 1,1-Dichloroethene	2.54	96	3040	2.55 ug/L	94
10) Freon-113	2.55	101	2116	2.30 µg/L #	66
11) Acetone	2.57	58	1241	Below Cal #	11
12) Iodomethane	2.68	142	7848	4.10 ug/L #	84
13) Carbon disulfide	2.75	76	16330	4.20 ug/L	100
14) Methyl Acetate	2.89	43	6874	2.76 µg/L #	9
15) Vinyl acetate	2.89	43	6874	5.52 ug/L #	87
16) Methylene chloride	3.00	84	6490	Below Cal #	71
17) Acrylonitrile	3.26	53	2981	4.27 ug/L	93
18) Methyl tert-butyl ether	3.32	73	7785	1.96 µg/L #	74
19) trans-1,2-Dichloroethene	3.32	96	2971	2.09 ug/L	79
20) 1,1-Dichloroethane	3.83	63	6447	2.14 ug/L #	90
21) 2,2-Dichloropropane	4.70	77	2008	1.73 ug/L #	51
22) cis-1,2-Dichloroethene	4.71	96	3030	2.02 ug/L	97
23) 2-Butanone	4.75	72	785m	3.76 ug/L	
24) Bromochloromethane	5.06	128	1507	2.16 ug/L #	63
25) Chloroform	5.21	83	7850	3.18 ug/L	97
26) Cyclohexane	5.55	56	7602	3.19 µg/L #	48
27) 1,1,1-Trichloroethane	5.47	97	3170	1.83 ug/L #	83
30) 1,1-Dichloropropene	5.73	110	1282	2.08 ug/L	81
31) Carbon tetrachloride	5.72	119	2558	1.83 ug/L	86
32) Benzene	6.02	78	9826	1.69 ug/L	96
33) 1,2-Dichloroethane	6.05	62	3941	2.00 ug/L #	75
34) Trichloroethene	6.95	130	2896	2.24 ug/L	83
35) Methylcyclohexane	7.21	55	1801	1.50 µg/L #	89
36) 1,2-Dichloropropane	7.25	63	2542	1.67 ug/L #	100
37) Dibromomethane	7.41	93	1709	2.13 ug/L	85
38) Bromodichloromethane	7.64	83	2924	2.03 ug/L #	95
39) 2-Chloroethyl vinyl ether	8.09	63	2614	2.01 µg/L #	100
40) cis-1,3-Dichloropropene	8.25	75	2898	1.62 ug/L #	56
41) 4-Methyl-2-pentanone	8.48	43	4385	2.89 ug/L #	72
43) Toluene	8.69	92	5051	1.64 ug/L	92
44) trans-1,3-Dichloropropene	8.99	75	2336	5.79 ug/L #	46
45) 1,1,2-Trichloroethane	9.22	83	1506	1.76 ug/L	99
47) 2-Hexanone	9.54	43	2479	2.49 ug/L #	82
48) Tetrachloroethene	9.39	166	1784	1.92 ug/L #	68
49) 1,3-Dichloropropane	9.41	76	2010	1.67 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

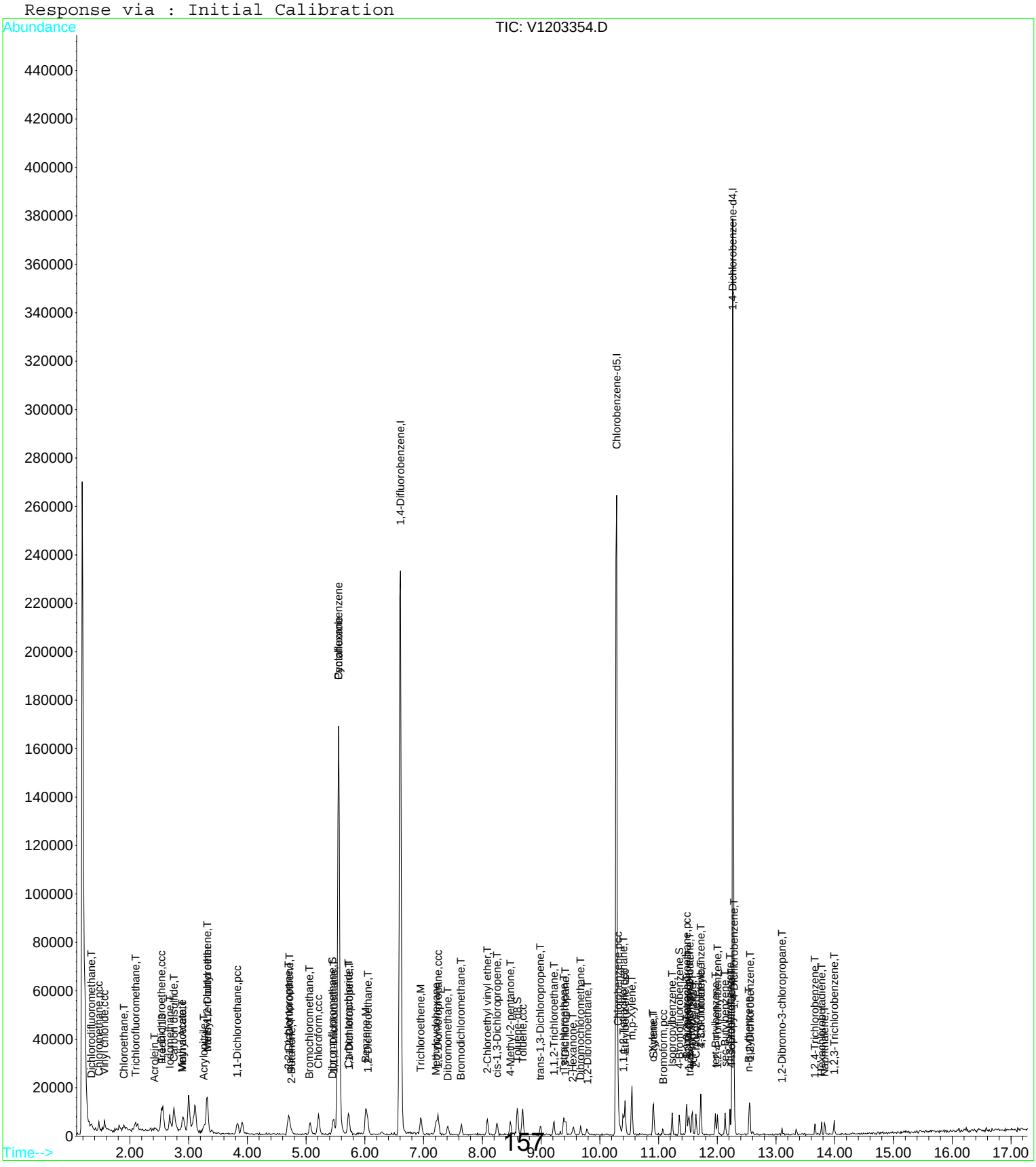
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	1607	1.77	ug/L		91
51)	1,2-Dibromoethane	9.79	107	1429m	1.59	ug/L		
52)	Chlorobenzene	10.31	112	6530	2.19	ug/L		92
53)	1,1,1,2-Tetrachloroethane	10.41	131	1281	1.49	ug/L	#	47
54)	Ethylbenzene	10.43	91	7109	1.55	ug/L		99
55)	m,p-Xylene	10.55	91	10133	2.91	ug/L		100
56)	o-Xylene	10.90	91	4421	1.26	ug/L		84
57)	Styrene	10.91	104	3653	1.24	ug/L		93
58)	Bromoform	11.08	173	1063	1.73	ug/L	#	36
61)	Bromobenzene	11.48	156	1549	1.57	ug/L	#	51
62)	1,1,2,2-Tetrachloroethane	11.48	83	2596	2.23	ug/L	#	85
63)	1,2,3-Trichloropropane	11.52	75	3085	1.70	ug/L	#	1
64)	Isopropylbenzene	11.23	105	4131	1.30	ug/L		94
65)	n-Propylbenzene	11.58	91	5956	1.43	ug/L		88
66)	trans-1,4-Dichloro-2-buten	11.53	124	102m	10.55	ug/L		
67)	2-Chlorotoluene	11.64	91	4006	1.48	ug/L		93
68)	4-Chlorotoluene	11.72	91	5003	1.57	ug/L		84
69)	1,3,5-Trimethylbenzene	11.72	105	3397	1.25	ug/L		92
70)	tert-Butylbenzene	11.97	119	3383	4.71	ug/L	#	82
71)	1,2,4-Trimethylbenzene	12.00	105	3530	1.21	ug/L	#	71
72)	sec-Butylbenzene	12.13	105	3612	1.24	ug/L	#	69
73)	1,3-Dichlorobenzene	12.22	146	2903	1.65	ug/L	#	89
74)	4-Isopropyltoluene	12.24	119	3452	1.31	ug/L	#	63
75)	1,4-Dichlorobenzene	12.29	146	4209	2.16	ug/L	#	72
76)	1,2-Dichlorobenzene	12.56	146	3011	1.69	ug/L	#	92
77)	n-Butylbenzene	12.54	91	3663	4.12	ug/L	#	68
78)	1,2-Dibromo-3-chloropropan	13.10	75	275m	1.41	ug/L		
79)	1,2,4-Trichlorobenzene	13.66	180	1078	1.23	ug/L	#	67
80)	Hexachlorobutadiene	13.78	225	496m	1.48	ug/L		
81)	Naphthalene	13.82	128	2913	4.34	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	1399	1.67	ug/L	#	68

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

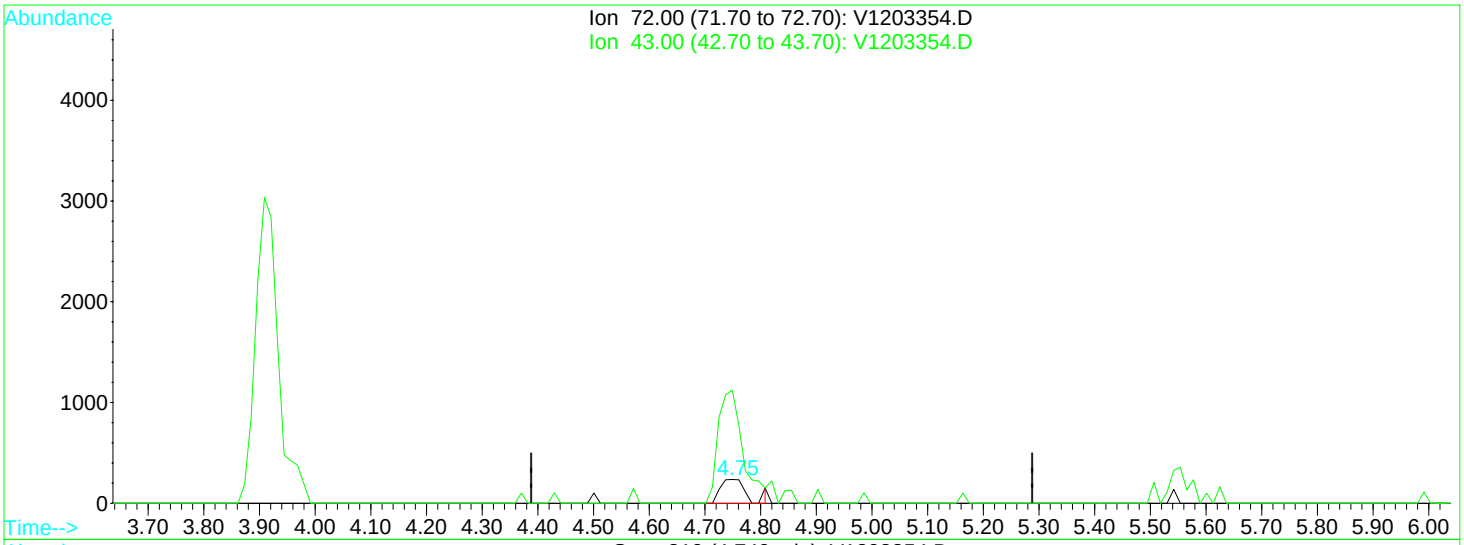
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

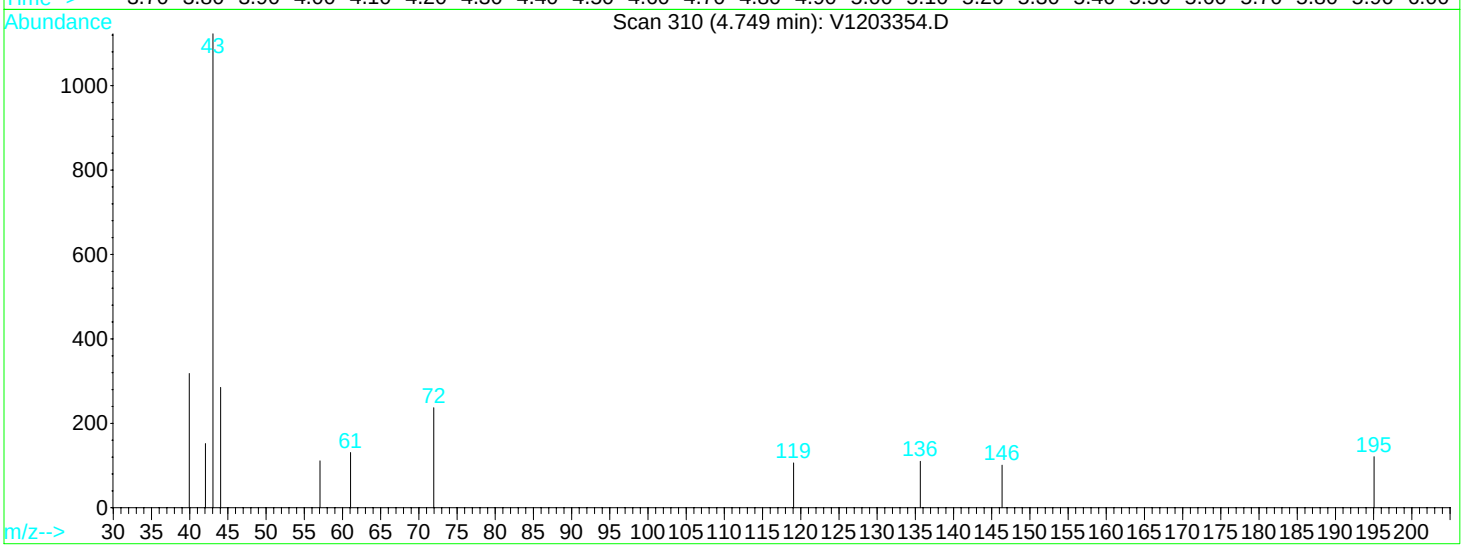


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(23) 2-Butanone (T)

4.75min 3.76ug/L m

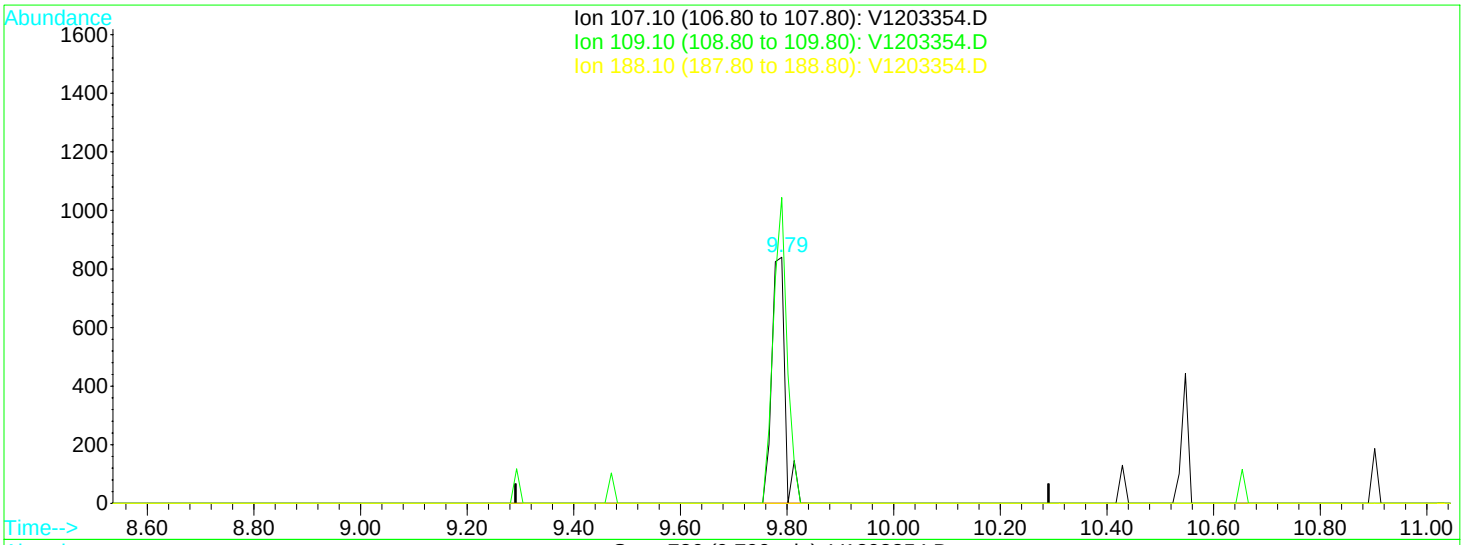
response 785

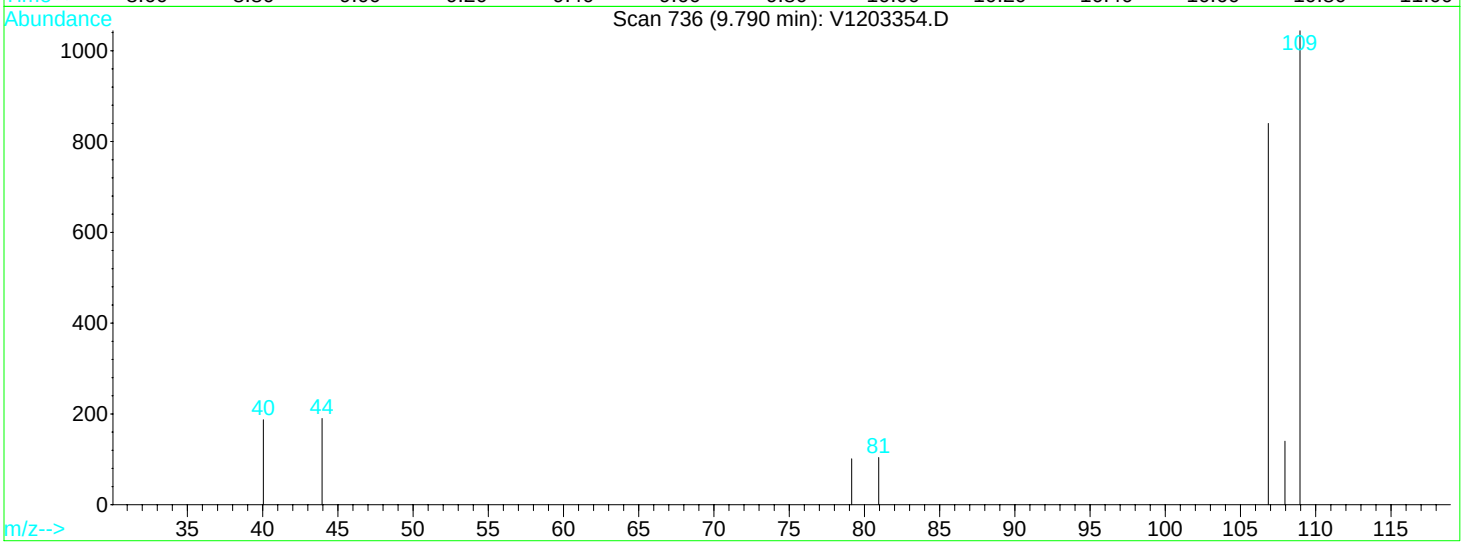
Ion	Exp%	Act%
72.00	100	100
43.00	362.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(51) 1,2-Dibromoethane (T)

9.79min 1.59ug/L m

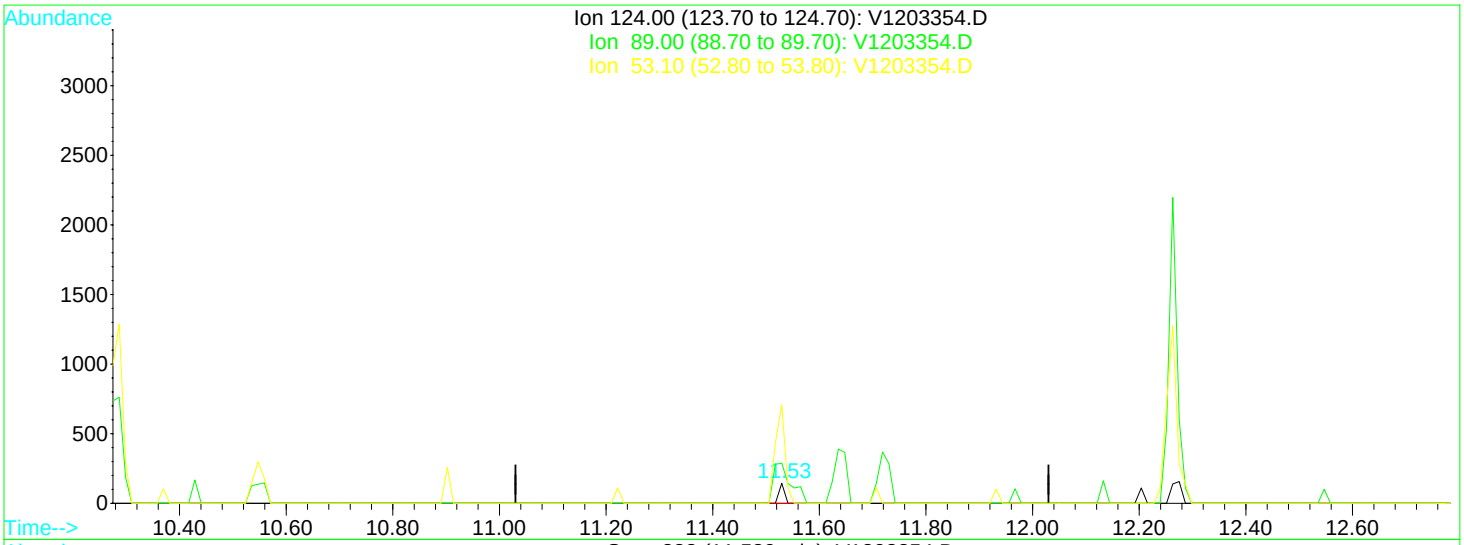
response 1429

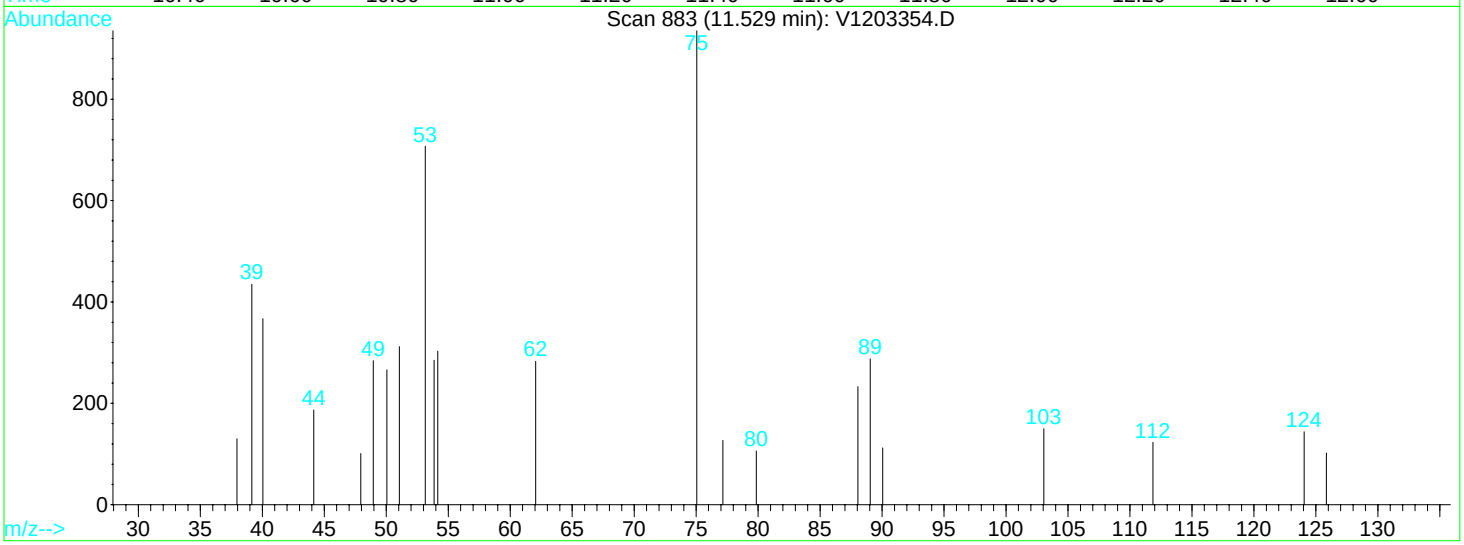
Ion	Exp%	Act%
107.10	100	100
109.10	92.90	131.49#
188.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 10.55ug/L m

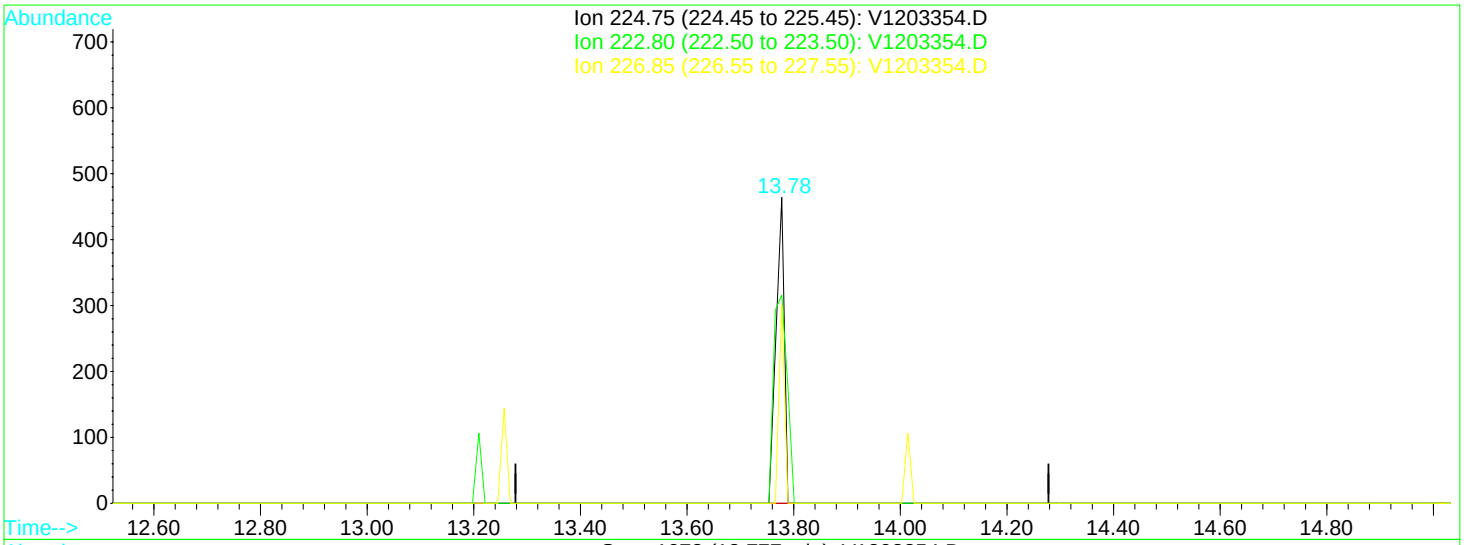
response 102

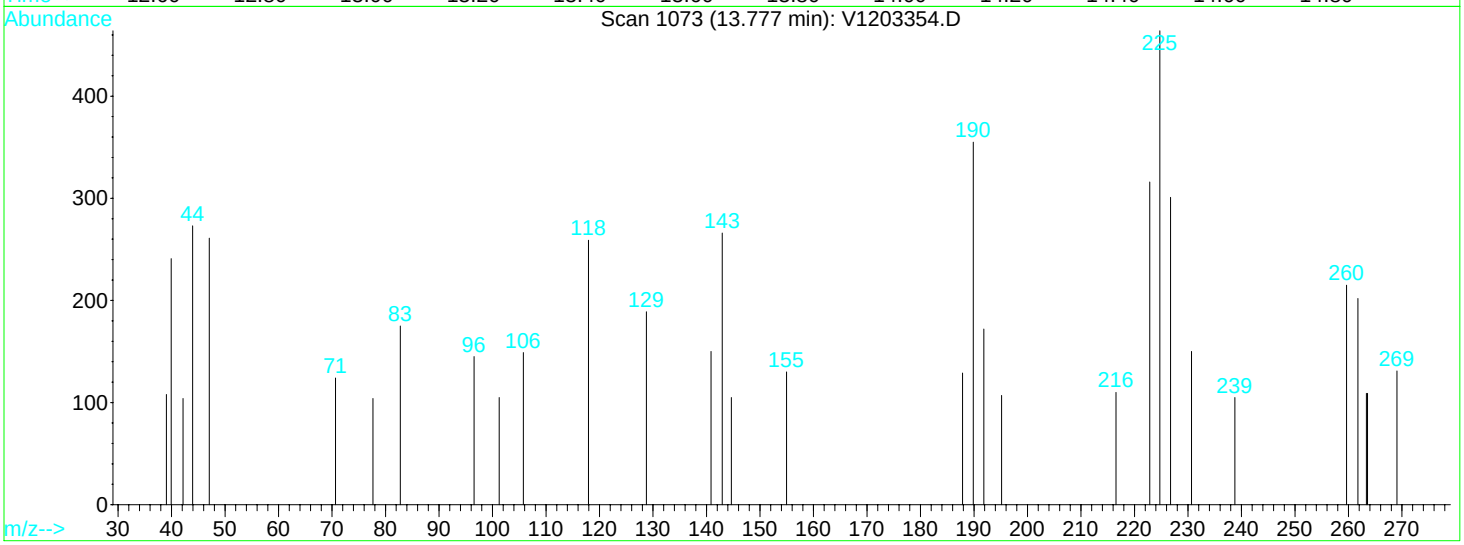
Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(80) Hexachlorobutadiene (T)

13.78min 1.48ug/L m

response 496

Ion	Exp%	Act%
224.75	100	100
222.80	62.10	0.00#
226.85	62.80	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	156400	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	254808	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.28	117	157093	50.00	ug/L		-0.01
60) 1,4-Dichlorobenzene-d4	12.26	152	81746	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	7988	5.25	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 10.50%#				
42) Toluene-d8	8.60	98	21171	4.36	ug/L		0.00
Spiked Amount 50.000			Recovery = 8.72%				
59) 4-Bromofluorobenzene	11.35	95	5380	3.98	ug/L		0.00
Spiked Amount 50.000			Recovery = 7.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	6341	5.51	ug/L		98
3) Chloromethane	1.47	50	9275	5.59	ug/L		98
4) Vinyl chloride	1.57	62	7271	5.75	ug/L		98
5) Bromomethane	1.83	94	3710	3.02	ug/L		93
6) Chloroethane	1.90	64	4230	5.24	ug/L		95
7) Trichlorofluoromethane	2.10	101	10937	5.18	ug/L		94
8) Acrolein	2.43	56	2168	8.35	ug/L		99
9) 1,1-Dichloroethene	2.53	96	8120	6.13	ug/L		84
10) Freon-113	2.55	101	6197	6.05	µg/L		96
11) Acetone	2.57	58	2759	3.95	ug/L	#	50
12) Iodomethane	2.68	142	23302	10.94	ug/L		88
13) Carbon disulfide	2.75	76	51036	11.79	ug/L		100
14) Methyl Acetate	2.89	43	16504	5.96	µg/L	#	4
15) Vinyl acetate	2.89	43	16504	11.92	ug/L	#	84
16) Methylene chloride	3.00	84	12663	2.62	ug/L	#	74
17) Acrylonitrile	3.26	53	8805	11.35	ug/L		98
18) Methyl tert-butyl ether	3.32	73	23195	5.24	µg/L	#	83
19) trans-1,2-Dichloroethene	3.31	96	9256	5.86	ug/L		91
20) 1,1-Dichloroethane	3.83	63	18420	5.50	ug/L		93
21) 2,2-Dichloropropane	4.70	77	6925	5.36	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	8272	4.95	ug/L		89
23) 2-Butanone	4.75	72	2037	8.78	ug/L	#	12
24) Bromochloromethane	5.07	128	4028	5.18	ug/L	#	56
25) Chloroform	5.21	83	17542	6.39	ug/L		100
26) Cyclohexane	5.56	56	16154	6.09	µg/L	#	73
27) 1,1,1-Trichloroethane	5.47	97	10027	5.22	ug/L		96
30) 1,1-Dichloropropene	5.72	110	3485	4.97	ug/L		96
31) Carbon tetrachloride	5.72	119	7417	4.65	ug/L		96
32) Benzene	6.02	78	32435	4.90	ug/L		95
33) 1,2-Dichloroethane	6.04	62	11010	4.91	ug/L		93
34) Trichloroethene	6.95	130	5883	4.00	ug/L	#	80
35) Methylcyclohexane	7.21	55	5424	3.97	µg/L	#	93
36) 1,2-Dichloropropane	7.25	63	9083	5.25	ug/L	#	100
37) Dibromomethane	7.40	93	4412	4.83	ug/L		88
38) Bromodichloromethane	7.65	83	7688	4.68	ug/L	#	90
39) 2-Chloroethyl vinyl ether	8.09	63	10127	6.85	µg/L	#	100
40) cis-1,3-Dichloropropene	8.24	75	8508	4.17	ug/L		95
41) 4-Methyl-2-pentanone	8.48	43	14056	8.14	ug/L	#	92
43) Toluene	8.68	92	15574	4.45	ug/L		93
44) trans-1,3-Dichloropropene	8.99	75	5802	7.30	ug/L		93
45) 1,1,2-Trichloroethane	9.21	83	4739	4.87	ug/L		97
47) 2-Hexanone	9.54	43	7689	7.20	ug/L	#	72
48) Tetrachloroethene	9.39	166	5087	5.10	ug/L		90
49) 1,3-Dichloropropane	9.41	76	4802	4.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

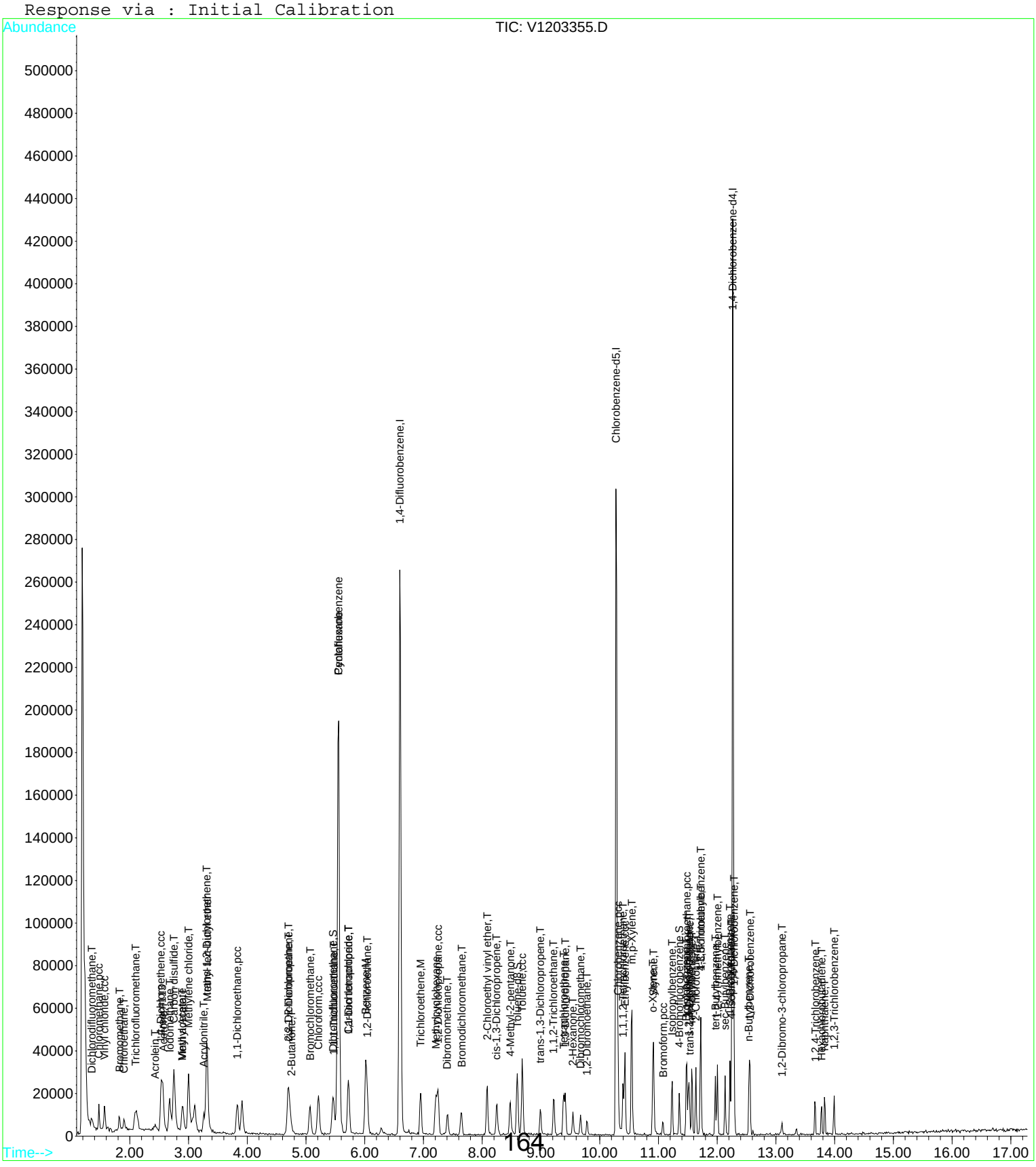
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	4663	4.80	ug/L		98
51)	1,2-Dibromoethane	9.78	107	4644	4.82	ug/L	#	95
52)	Chlorobenzene	10.31	112	15424	4.82	ug/L		89
53)	1,1,1,2-Tetrachloroethane	10.40	131	4169	4.52	ug/L	#	71
54)	Ethylbenzene	10.43	91	21327	4.33	ug/L		98
55)	m,p-Xylene	10.55	91	33303	8.90	ug/L		98
56)	o-Xylene	10.90	91	14922	3.97	ug/L		91
57)	Styrene	10.92	104	13076	4.13	ug/L		95
58)	Bromoform	11.08	173	2958	4.47	ug/L	#	95
61)	Bromobenzene	11.47	156	5267	4.78	ug/L	#	65
62)	1,1,2,2-Tetrachloroethane	11.48	83	7091	5.45	ug/L	#	96
63)	1,2,3-Trichloropropane	11.52	75	9209	4.54	ug/L	#	1
64)	Isopropylbenzene	11.24	105	13690	3.85	ug/L		98
65)	n-Propylbenzene	11.57	91	20077	4.33	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	623m	15.82	ug/L		
67)	2-Chlorotoluene	11.64	91	13547	4.49	ug/L		97
68)	4-Chlorotoluene	11.72	91	15652	4.41	ug/L		91
69)	1,3,5-Trimethylbenzene	11.72	105	12881	4.25	ug/L		100
70)	tert-Butylbenzene	11.97	119	10269	6.76	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	12420	3.82	ug/L		86
72)	sec-Butylbenzene	12.13	105	12443	3.83	ug/L		97
73)	1,3-Dichlorobenzene	12.22	146	10012	5.11	ug/L		98
74)	4-Isopropyltoluene	12.24	119	11677	3.96	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	11618	5.35	ug/L	#	93
76)	1,2-Dichlorobenzene	12.56	146	9720	4.90	ug/L		95
77)	n-Butylbenzene	12.54	91	9530	5.99	ug/L		95
78)	1,2-Dibromo-3-chloropropan	13.10	75	989	4.56	ug/L	#	1
79)	1,2,4-Trichlorobenzene	13.67	180	4133	4.24	ug/L		95
80)	Hexachlorobutadiene	13.78	225	1981	5.28	ug/L		92
81)	Naphthalene	13.83	128	10464	6.33	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	3539	3.80	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

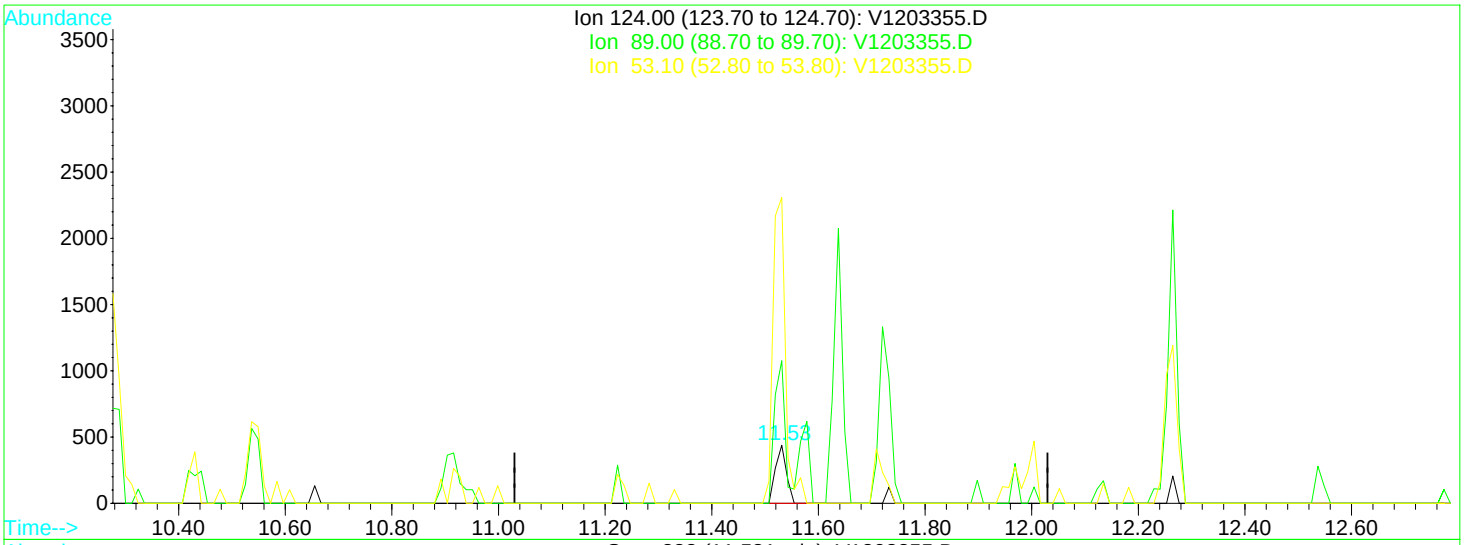
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

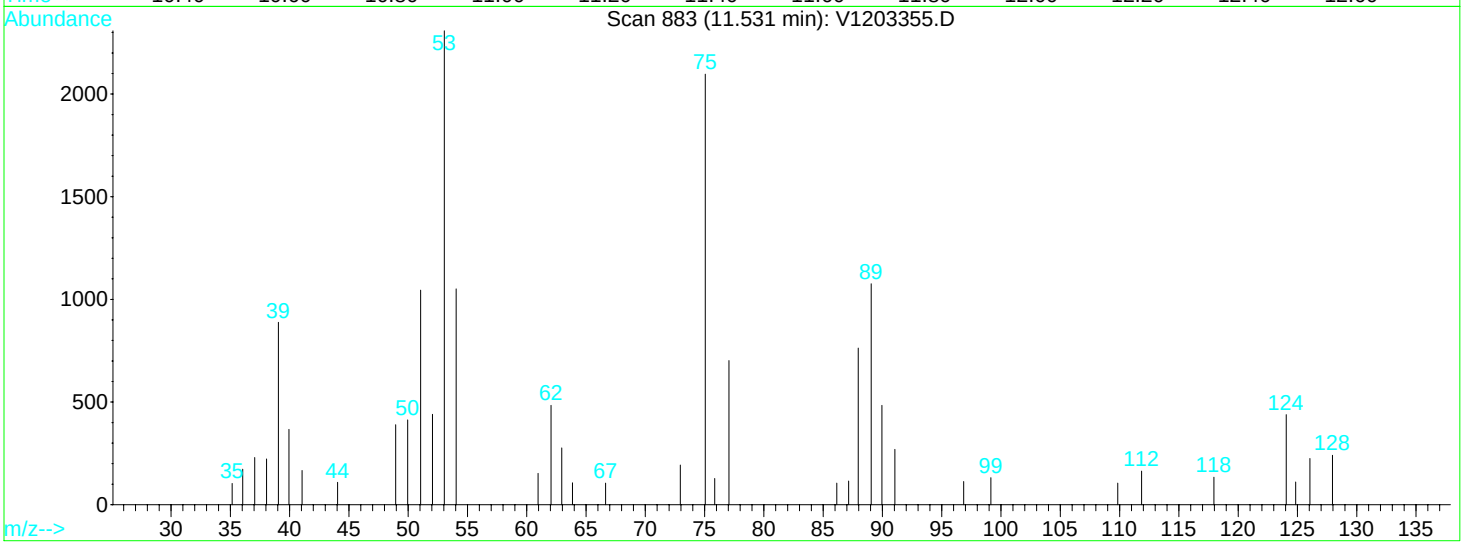


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203355.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 15.82ug/L m

response 623

Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	132072	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	212604	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	151408	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	84203	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	12709	10.00	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 20.00%#				
42) Toluene-d8	8.60	98	42325	10.45	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.90%				
59) 4-Bromofluorobenzene	11.35	95	13171	10.10	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	9711	9.99	ug/L		98
3) Chloromethane	1.47	50	16317	11.66	ug/L		92
4) Vinyl chloride	1.57	62	11374	10.66	ug/L		93
5) Bromomethane	1.82	94	6485	11.66	ug/L		94
6) Chloroethane	1.90	64	7731	11.35	ug/L		100
7) Trichlorofluoromethane	2.10	101	17881	10.03	ug/L		98
8) Acrolein	2.43	56	3411	18.60	ug/L		90
9) 1,1-Dichloroethene	2.54	96	10621	9.50	ug/L	#	56
10) Freon-113	2.55	101	8806	10.19	µg/L	#	84
11) Acetone	2.57	58	5101	23.07	ug/L	#	30
12) Iodomethane	2.68	142	37004	20.58	ug/L		89
13) Carbon disulfide	2.75	76	76458	20.92	ug/L		100
14) Methyl Acetate	2.89	43	24944	10.67	µg/L	#	4
15) Vinyl acetate	2.89	43	24944	21.34	ug/L	#	83
16) Methylene chloride	3.00	84	16142	7.57	ug/L	#	74
17) Acrylonitrile	3.27	53	14543	22.19	ug/L		96
18) Methyl tert-butyl ether	3.32	73	36814	9.85	µg/L	#	83
19) trans-1,2-Dichloroethene	3.32	96	13330	9.99	ug/L		90
20) 1,1-Dichloroethane	3.84	63	28920	10.23	ug/L		96
21) 2,2-Dichloropropane	4.70	77	10969	10.05	ug/L		95
22) cis-1,2-Dichloroethene	4.70	96	13388	9.48	ug/L		89
23) 2-Butanone	4.75	72	4662	23.78	ug/L		72
24) Bromochloromethane	5.07	128	6391	9.73	ug/L	#	61
25) Chloroform	5.21	83	25309	10.92	ug/L		89
26) Cyclohexane	5.56	56	22659	10.12	µg/L	#	82
27) 1,1,1-Trichloroethane	5.49	97	15729	9.69	ug/L		91
30) 1,1-Dichloropropene	5.73	110	4992	8.53	ug/L		93
31) Carbon tetrachloride	5.72	119	11694	8.80	ug/L		95
32) Benzene	6.02	78	54589	9.88	ug/L		100
33) 1,2-Dichloroethane	6.05	62	18561	9.91	ug/L		99
34) Trichloroethene	6.95	130	11352	9.25	ug/L		85
35) Methylcyclohexane	7.21	55	8973	7.88	µg/L		88
36) 1,2-Dichloropropane	7.25	63	14693	10.18	ug/L	#	100
37) Dibromomethane	7.40	93	7391	9.69	ug/L		95
38) Bromodichloromethane	7.65	83	12177	8.88	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	22049	17.87	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	16122	9.46	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	27755	19.27	ug/L		90
43) Toluene	8.68	92	28847	9.88	ug/L		90
44) trans-1,3-Dichloropropene	8.99	75	11887	11.37	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	8483	10.45	ug/L		97
47) 2-Hexanone	9.54	43	18800	18.27	ug/L		85
48) Tetrachloroethene	9.39	166	9087	9.45	ug/L		92
49) 1,3-Dichloropropane	9.41	76	17263	9.60	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

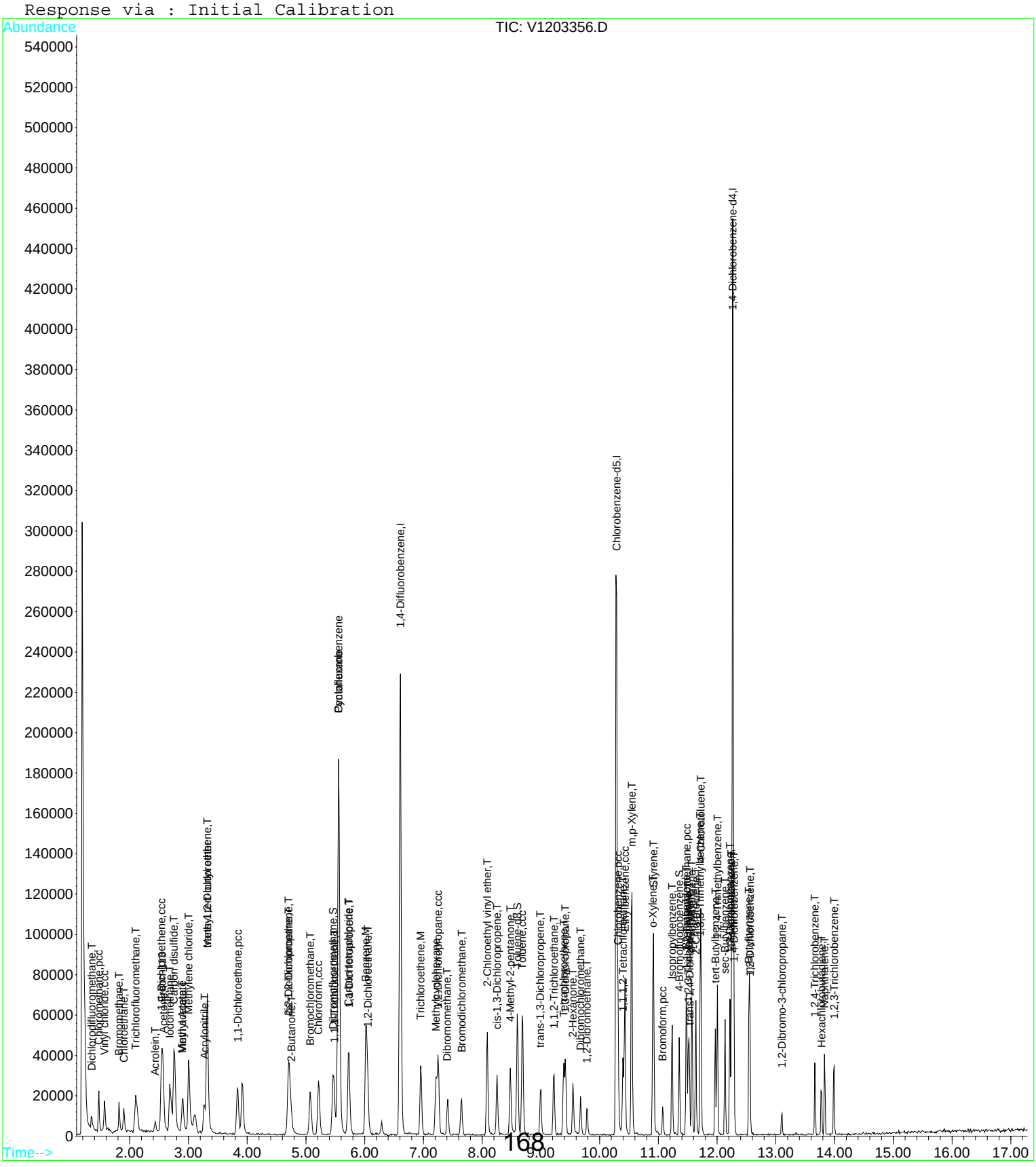
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	8786	9.38	ug/L		92
51)	1,2-Dibromoethane	9.78	107	9084	9.78	ug/L	#	93
52)	Chlorobenzene	10.31	112	30653	9.95	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.40	131	8042	9.05	ug/L		89
54)	Ethylbenzene	10.43	91	44802	9.45	ug/L		96
55)	m,p-Xylene	10.55	91	66483	18.44	ug/L		98
56)	o-Xylene	10.91	91	31842	8.78	ug/L		96
57)	Styrene	10.92	104	27821	9.11	ug/L		95
58)	Bromoform	11.07	173	5365	8.42	ug/L	#	94
61)	Bromobenzene	11.47	156	11436	10.07	ug/L	#	67
62)	1,1,2,2-Tetrachloroethane	11.48	83	13079	9.76	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	18342	8.78	ug/L	#	1
64)	Isopropylbenzene	11.24	105	29722	8.12	ug/L		99
65)	n-Propylbenzene	11.57	91	44215	9.26	ug/L		91
66)	trans-1,4-Dichloro-2-buten	11.53	124	944	18.86	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	29605	9.52	ug/L		90
68)	4-Chlorotoluene	11.72	91	35591	9.74	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	26011	8.33	ug/L		98
70)	tert-Butylbenzene	11.97	119	21732	10.19	ug/L		90
71)	1,2,4-Trimethylbenzene	12.01	105	28820	8.61	ug/L		90
72)	sec-Butylbenzene	12.14	105	27233	8.14	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	18690	9.26	ug/L		94
74)	4-Isopropyltoluene	12.24	119	25312	8.34	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	20611	9.21	ug/L		89
76)	1,2-Dichlorobenzene	12.56	146	20809	10.18	ug/L		94
77)	n-Butylbenzene	12.54	91	20946	9.68	ug/L		94
78)	1,2-Dibromo-3-chloropropan	13.11	75	2097	9.38	ug/L		87
79)	1,2,4-Trichlorobenzene	13.66	180	7770	7.74	ug/L		93
80)	Hexachlorobutadiene	13.78	225	3610	9.35	ug/L		94
81)	Naphthalene	13.83	128	21936	9.32	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	9444	9.83	ug/L		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	148795	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	225797	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	156850	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	88903	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	25268	18.72	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 37.44%#				
42) Toluene-d8	8.60	98	88198	20.50	ug/L		0.00
Spiked Amount 50.000			Recovery = 41.00%				
59) 4-Bromofluorobenzene	11.35	95	26512	19.62	ug/L		0.00
Spiked Amount 50.000			Recovery = 39.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	20401	18.63	ug/L		98
3) Chloromethane	1.47	50	30979	19.64	ug/L		100
4) Vinyl chloride	1.57	62	23833	19.82	ug/L		100
5) Bromomethane	1.82	94	10458	18.87	ug/L		97
6) Chloroethane	1.90	64	13851	18.05	ug/L		94
7) Trichlorofluoromethane	2.10	101	36644	18.25	ug/L		99
8) Acrolein	2.43	56	7937	42.18	ug/L		94
9) 1,1-Dichloroethene	2.54	96	26281	20.86	ug/L		80
10) Freon-113	2.56	101	20005	20.54	µg/L		90
11) Acetone	2.57	58	9466	45.83	ug/L	#	18
12) Iodomethane	2.68	142	80950	39.95	ug/L		88
13) Carbon disulfide	2.75	76	169260	41.10	ug/L		100
14) Methyl Acetate	2.89	43	56754	21.55	µg/L	#	5
15) Vinyl acetate	2.89	43	56754	43.09	ug/L	#	87
16) Methylene chloride	3.00	84	33415	19.85	ug/L	#	73
17) Acrylonitrile	3.26	53	31220	42.28	ug/L		98
18) Methyl tert-butyl ether	3.32	73	85818	20.38	µg/L	#	87
19) trans-1,2-Dichloroethene	3.32	96	29780	19.81	ug/L		87
20) 1,1-Dichloroethane	3.83	63	63232	19.85	ug/L		99
21) 2,2-Dichloropropane	4.70	77	25602	20.82	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	31475	19.78	ug/L		95
23) 2-Butanone	4.74	72	9673	43.80	ug/L	#	25
24) Bromochloromethane	5.07	128	15849	21.42	ug/L	#	64
25) Chloroform	5.21	83	50349	19.28	ug/L		95
26) Cyclohexane	5.55	56	49724	19.71	µg/L	#	91
27) 1,1,1-Trichloroethane	5.47	97	36401	19.91	ug/L		92
30) 1,1-Dichloropropene	5.73	110	12470	20.06	ug/L		95
31) Carbon tetrachloride	5.72	119	27660	19.59	ug/L		96
32) Benzene	6.02	78	122968	20.95	ug/L		98
33) 1,2-Dichloroethane	6.05	62	41096	20.67	ug/L		96
34) Trichloroethene	6.95	130	26414	20.26	ug/L		87
35) Methylcyclohexane	7.21	55	24953	20.62	µg/L		99
36) 1,2-Dichloropropane	7.25	63	32688	21.32	ug/L	#	100
37) Dibromomethane	7.41	93	16819	20.76	ug/L		90
38) Bromodichloromethane	7.65	83	30710	21.10	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	55747	42.55	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	35926	19.85	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	70389	46.02	ug/L	#	90
43) Toluene	8.69	92	66594	21.47	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	29731	20.67	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	17863	20.72	ug/L		97
47) 2-Hexanone	9.54	43	44103	41.36	ug/L		92
48) Tetrachloroethene	9.39	166	19386	19.46	ug/L		87
49) 1,3-Dichloropropane	9.41	76	40856	21.61	ug/L		98

(#) = qualifier out of range (m) = manual integration
V1203357.D VW052704.M Fri May 28 11:06:21 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

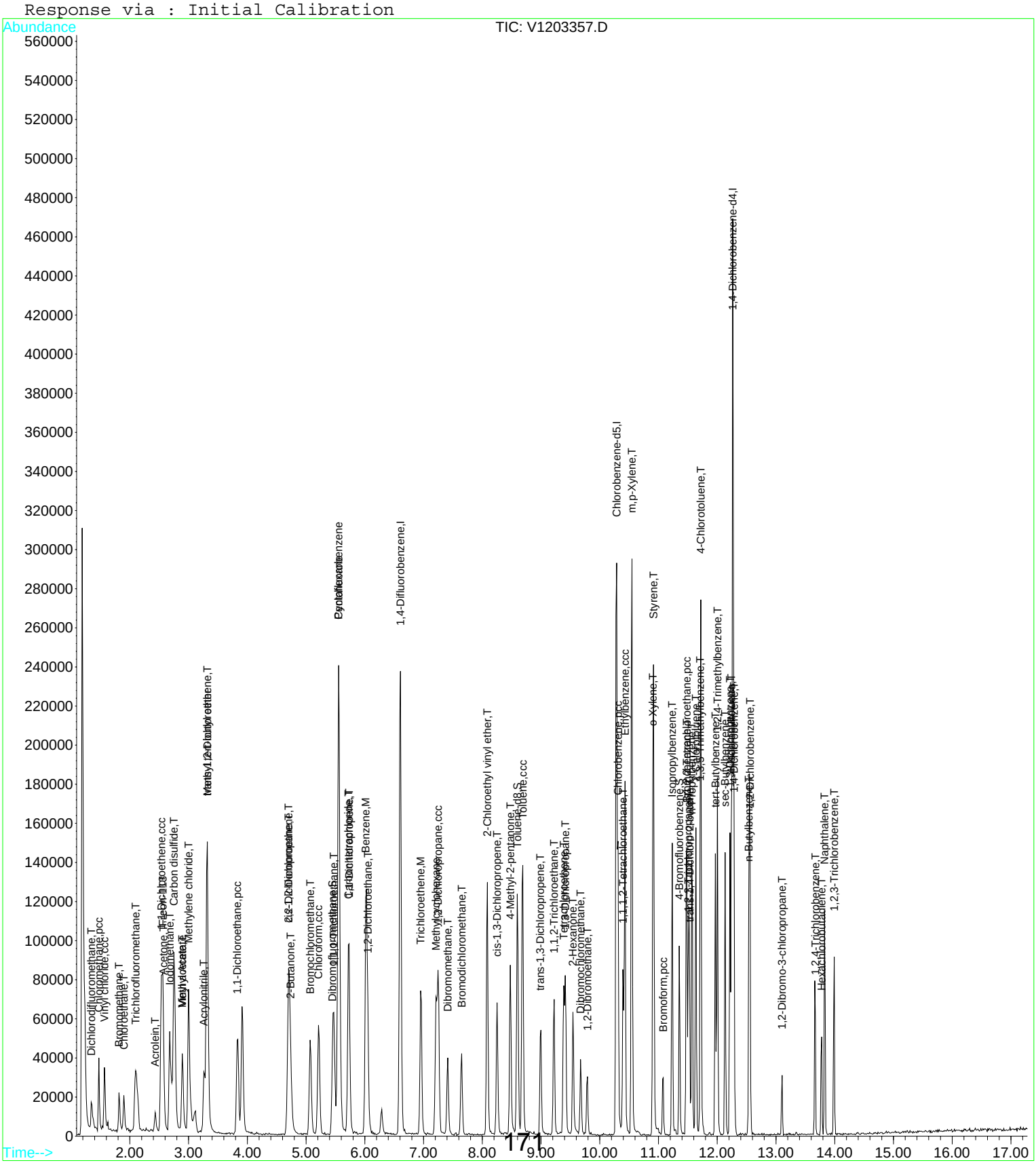
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	18755	19.32	ug/L		98
51)	1,2-Dibromoethane	9.79	107	20347	21.14	ug/L	#	96
52)	Chlorobenzene	10.31	112	64205	20.11	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.39	131	17672	19.19	ug/L		87
54)	Ethylbenzene	10.43	91	100224	20.40	ug/L		99
55)	m,p-Xylene	10.55	91	160807	43.05	ug/L		97
56)	o-Xylene	10.90	91	74453	19.82	ug/L		98
57)	Styrene	10.91	104	65202	20.61	ug/L		99
58)	Bromoform	11.08	173	13011	19.70	ug/L		99
61)	Bromobenzene	11.48	156	23053	19.23	ug/L	#	50
62)	1,1,2,2-Tetrachloroethane	11.48	83	27924	19.73	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	44130	20.00	ug/L	#	1
64)	Isopropylbenzene	11.23	105	74724	19.33	ug/L		97
65)	n-Propylbenzene	11.57	91	104156	20.65	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	3061	38.49	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	67412	20.52	ug/L		96
68)	4-Chlorotoluene	11.72	91	77132	19.99	ug/L		100
69)	1,3,5-Trimethylbenzene	11.71	105	64734	19.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	57870	20.34	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	70652	20.00	ug/L		91
72)	sec-Butylbenzene	12.13	105	68858	19.49	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	45002	21.11	ug/L		95
74)	4-Isopropyltoluene	12.24	119	64948	20.26	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	46029	19.48	ug/L		92
76)	1,2-Dichlorobenzene	12.56	146	44413	20.58	ug/L		96
77)	n-Butylbenzene	12.54	91	52601	19.28	ug/L		96
78)	1,2-Dibromo-3-chloropropan	13.10	75	5048	21.39	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	19237	18.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	7805	19.15	ug/L		95
81)	Naphthalene	13.83	128	64278	19.74	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	19713	19.44	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	192935	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	294387	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	177255	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	96814	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51006	28.99	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 57.98%#				
42) Toluene-d8	8.59	98	161460	28.79	ug/L		0.00
Spiked Amount 50.000			Recovery = 57.58%				
59) 4-Bromofluorobenzene	11.35	95	45379	29.72	ug/L		0.00
Spiked Amount 50.000			Recovery = 59.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	44629	31.43	ug/L		98
3) Chloromethane	1.47	50	67808	33.16	ug/L		94
4) Vinyl chloride	1.57	62	53943	34.60	ug/L		99
5) Bromomethane	1.83	94	22183	34.08	ug/L		98
6) Chloroethane	1.90	64	32261	32.42	ug/L		99
7) Trichlorofluoromethane	2.10	101	80285	30.83	ug/L		98
8) Acrolein	2.43	56	17780	75.45	ug/L		96
9) 1,1-Dichloroethene	2.54	96	55458	33.95	ug/L		70
10) Freon-113	2.55	101	38797	30.72	µg/L		89
11) Acetone	2.57	58	15225	59.77	ug/L		57
12) Iodomethane	2.68	142	176144	67.05	ug/L		90
13) Carbon disulfide	2.75	76	369827	69.27	ug/L		100
14) Methyl Acetate	2.89	43	109044	31.93	µg/L	#	6
15) Vinyl acetate	2.89	43	109044	63.85	ug/L		88
16) Methylene chloride	3.00	84	68782	35.68	ug/L	#	75
17) Acrylonitrile	3.26	53	60965	63.68	ug/L		97
18) Methyl tert-butyl ether	3.32	73	167982	30.77	µg/L	#	86
19) trans-1,2-Dichloroethene	3.31	96	66235	33.99	ug/L		89
20) 1,1-Dichloroethane	3.83	63	125541	30.40	ug/L		98
21) 2,2-Dichloropropane	4.70	77	52664	33.04	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	63116	30.60	ug/L		90
23) 2-Butanone	4.74	72	15186	53.03	ug/L	#	17
24) Bromochloromethane	5.07	128	29556	30.80	ug/L	#	62
25) Chloroform	5.21	83	99600	29.42	ug/L		98
26) Cyclohexane	5.55	56	98315	30.05	µg/L		94
27) 1,1,1-Trichloroethane	5.47	97	74404	31.38	ug/L		96
30) 1,1-Dichloropropene	5.72	110	24125	29.77	ug/L		92
31) Carbon tetrachloride	5.72	119	52780	28.67	ug/L		96
32) Benzene	6.02	78	239346	31.27	ug/L		100
33) 1,2-Dichloroethane	6.05	62	76791	29.62	ug/L		97
34) Trichloroethene	6.95	130	49818	29.31	ug/L		90
35) Methylcyclohexane	7.21	55	48234	30.58	µg/L		95
36) 1,2-Dichloropropane	7.25	63	59047	29.54	ug/L	#	100
37) Dibromomethane	7.40	93	28230	26.72	ug/L		92
38) Bromodichloromethane	7.64	83	53868	28.38	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	99142	58.04	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	68794	29.16	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	118910	59.63	ug/L	#	90
43) Toluene	8.68	92	120755	29.86	ug/L		95
44) trans-1,3-Dichloropropene	8.99	75	53054	26.62	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	30809	27.41	ug/L		96
47) 2-Hexanone	9.54	43	72176	59.90	ug/L		86
48) Tetrachloroethene	9.39	166	35272	31.33	ug/L		89
49) 1,3-Dichloropropane	9.41	76	66615	31.65	ug/L		99

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

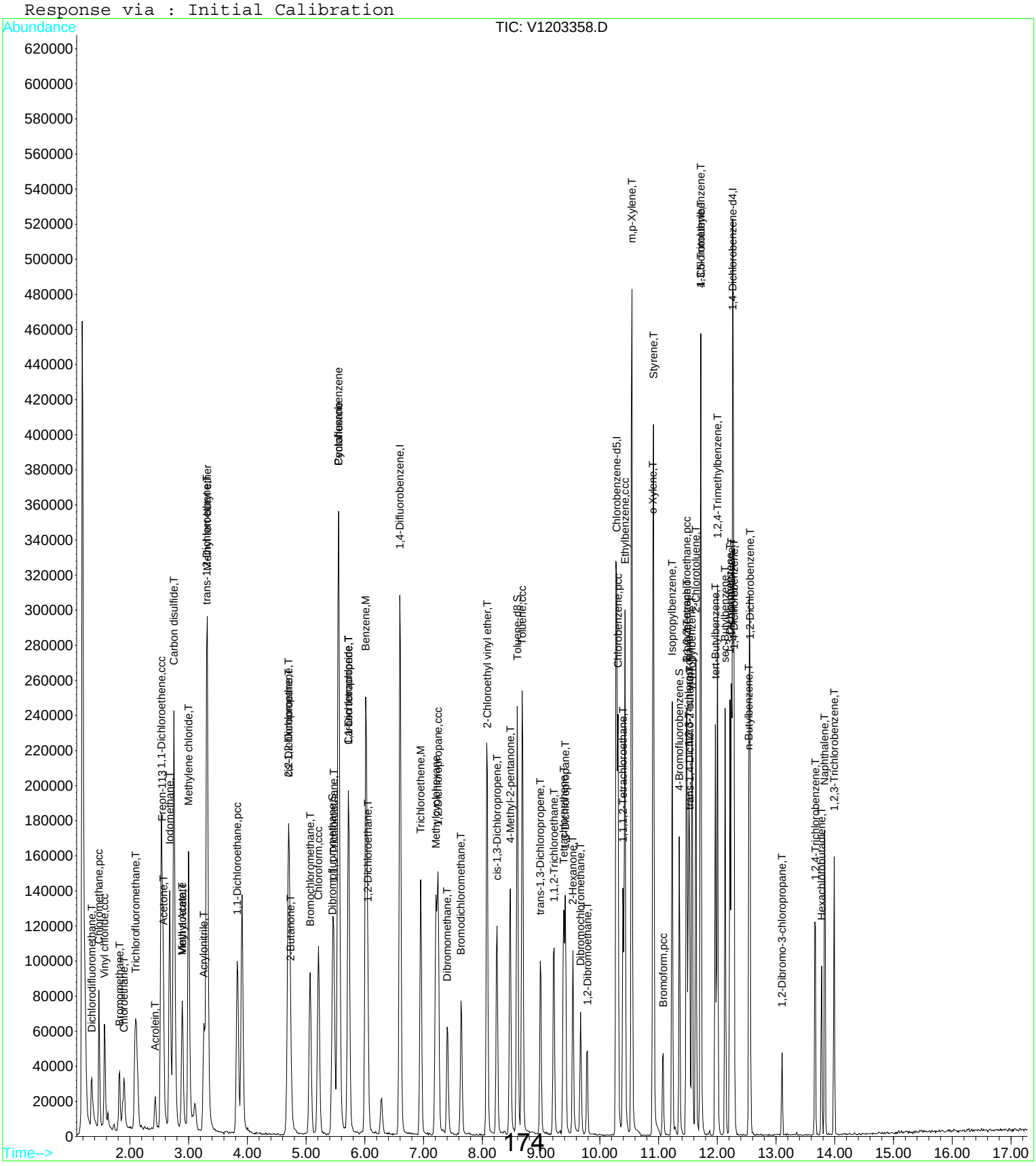
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	33196	30.26	ug/L		100
51)	1,2-Dibromoethane	9.79	107	32982	30.33	ug/L	#	99
52)	Chlorobenzene	10.31	112	106348	29.48	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	31600	30.37	ug/L		93
54)	Ethylbenzene	10.43	91	175566	31.62	ug/L		96
55)	m,p-Xylene	10.55	91	270091	63.98	ug/L		97
56)	o-Xylene	10.90	91	130247	30.68	ug/L		97
57)	Styrene	10.91	104	109633	30.66	ug/L		98
58)	Bromoform	11.08	173	22629	30.32	ug/L		98
61)	Bromobenzene	11.48	156	40238	30.82	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.48	83	45968	29.83	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	76122	31.67	ug/L	#	1
64)	Isopropylbenzene	11.23	105	130187	30.92	ug/L		99
65)	n-Propylbenzene	11.56	91	177871	32.38	ug/L		93
66)	trans-1,4-Dichloro-2-buten	11.53	124	5608	58.36	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	116240	32.49	ug/L		95
68)	4-Chlorotoluene	11.72	91	132500	31.53	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	110779	30.86	ug/L		99
70)	tert-Butylbenzene	11.97	119	95812	29.09	ug/L		92
71)	1,2,4-Trimethylbenzene	12.00	105	120180	31.24	ug/L		90
72)	sec-Butylbenzene	12.13	105	118540	30.82	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	71353	30.74	ug/L		96
74)	4-Isopropyltoluene	12.24	119	105404	30.20	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	77438	30.10	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	73434	31.25	ug/L		97
77)	n-Butylbenzene	12.54	91	94806	30.12	ug/L		97
78)	1,2-Dibromo-3-chloropropan	13.10	75	8151	31.71	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	34475	29.87	ug/L		95
80)	Hexachlorobutadiene	13.78	225	13452	30.30	ug/L		96
81)	Naphthalene	13.82	128	108027	28.59	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	33510	30.34	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203358.D VW052704.M Fri May 28 11:06:37 2004

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	170208	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	249305	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.28	117	175685	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	96954	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	69542	46.67	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 93.34%				
42) Toluene-d8	8.60	98	241314	50.81	ug/L		0.00
Spiked Amount 50.000			Recovery = 101.62%				
59) 4-Bromofluorobenzene	11.36	95	77709	51.35	ug/L		0.00
Spiked Amount 50.000			Recovery = 102.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	64815	51.75	ug/L		99
3) Chloromethane	1.47	50	87991	48.77	ug/L		96
4) Vinyl chloride	1.57	62	69735	50.70	ug/L		100
5) Bromomethane	1.82	94	23686	42.32	ug/L		97
6) Chloroethane	1.90	64	32546	37.08	ug/L		100
7) Trichlorofluoromethane	2.10	101	113552	49.43	ug/L		96
8) Acrolein	2.43	56	20992	102.17	ug/L		96
9) 1,1-Dichloroethene	2.53	96	69638	48.33	ug/L		72
10) Freon-113	2.55	101	52354	46.99	µg/L		88
11) Acetone	2.56	58	27108	132.96	ug/L	#	44
12) Iodomethane	2.68	142	219470	94.69	ug/L		88
13) Carbon disulfide	2.75	76	447933	95.10	ug/L		100
14) Methyl Acetate	2.89	43	136921	45.44	µg/L	#	7
15) Vinyl acetate	2.89	43	136921	90.89	ug/L		89
16) Methylene chloride	3.00	84	81868	50.61	ug/L	#	73
17) Acrylonitrile	3.26	53	81056	95.97	ug/L		99
18) Methyl tert-butyl ether	3.32	73	231995	48.17	µg/L	#	89
19) trans-1,2-Dichloroethene	3.31	96	82739	48.12	ug/L		92
20) 1,1-Dichloroethane	3.83	63	167814	46.06	ug/L		98
21) 2,2-Dichloropropane	4.71	77	66474	47.27	ug/L		99
22) cis-1,2-Dichloroethene	4.71	96	86985	47.80	ug/L		92
23) 2-Butanone	4.74	72	24862	98.41	ug/L	#	24
24) Bromochloromethane	5.07	128	39882	47.11	ug/L	#	64
25) Chloroform	5.21	83	134355	44.98	ug/L		100
26) Cyclohexane	5.56	56	130857	45.34	µg/L		96
27) 1,1,1-Trichloroethane	5.47	97	101291	48.43	ug/L		95
30) 1,1-Dichloropropene	5.72	110	33890	49.39	ug/L		95
31) Carbon tetrachloride	5.72	119	77815	49.92	ug/L		99
32) Benzene	6.02	78	328076	50.62	ug/L		100
33) 1,2-Dichloroethane	6.04	62	107454	48.95	ug/L		96
34) Trichloroethene	6.95	130	69691	48.42	ug/L		91
35) Methylcyclohexane	7.21	55	68874	51.56	µg/L		93
36) 1,2-Dichloropropane	7.25	63	85592	50.56	ug/L	#	100
37) Dibromomethane	7.40	93	45946	51.36	ug/L		90
38) Bromodichloromethane	7.64	83	80066	49.82	ug/L		99
39) 2-Chloroethyl vinyl ether	8.08	63	155986	107.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.26	75	107286	53.69	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	184918	109.50	ug/L		92
43) Toluene	8.68	92	180433	52.69	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	91935	49.76	ug/L		96
45) 1,1,2-Trichloroethane	9.21	83	48758	51.22	ug/L		98
47) 2-Hexanone	9.54	43	129187	108.17	ug/L		89
48) Tetrachloroethene	9.39	166	54728	49.05	ug/L		93
49) 1,3-Dichloropropane	9.41	76	102059	49.40	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203359.D VW052704.M Fri May 28 11:06:56 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

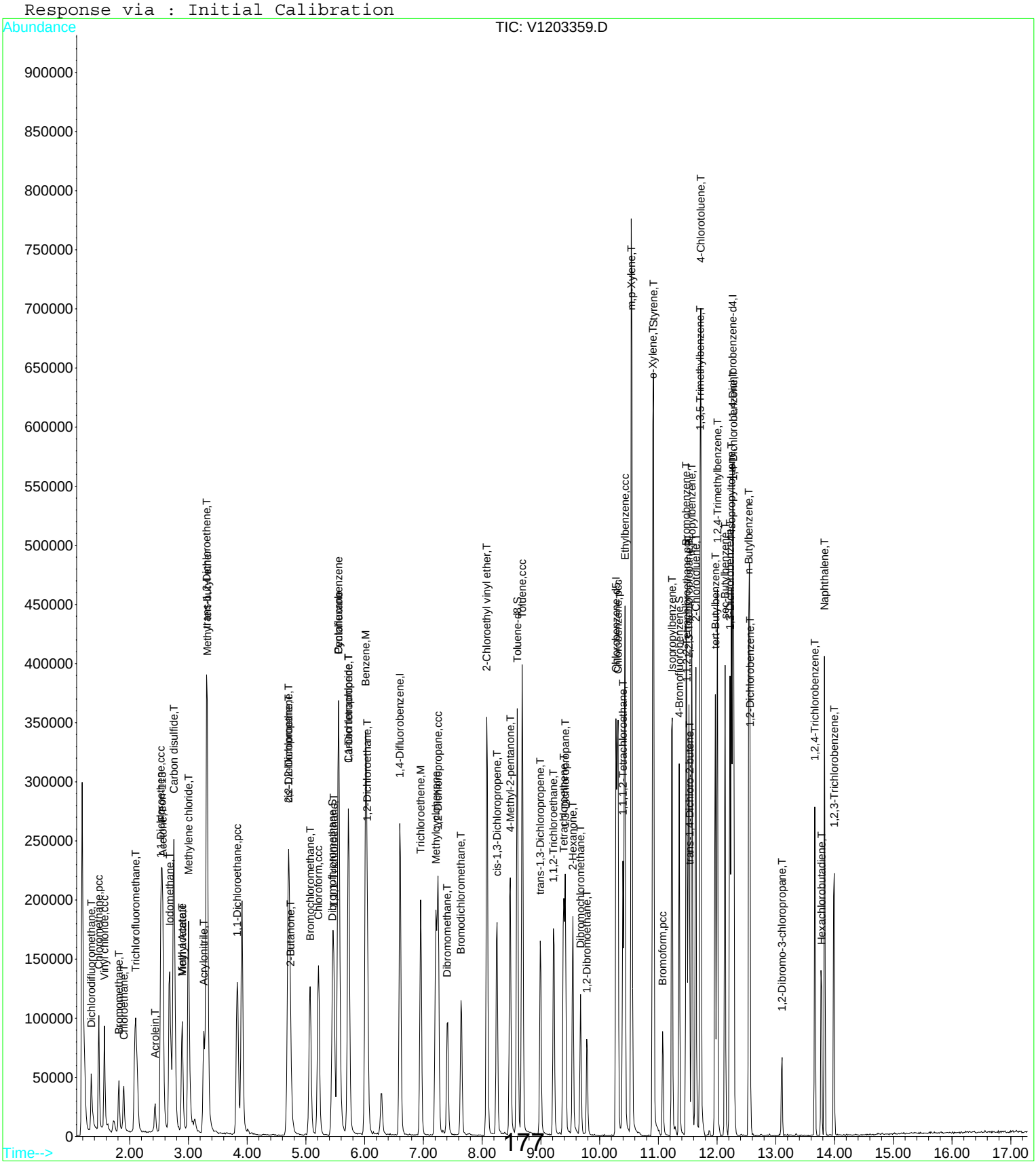
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.68	129	55605	51.14	ug/L		99
51)	1,2-Dibromoethane	9.78	107	54577	50.64	ug/L	#	98
52)	Chlorobenzene	10.31	112	170870	47.79	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.40	131	53771	52.14	ug/L		98
54)	Ethylbenzene	10.43	91	284662	51.73	ug/L		96
55)	m,p-Xylene	10.54	91	435591	104.11	ug/L		97
56)	o-Xylene	10.91	91	216466	51.44	ug/L		96
57)	Styrene	10.92	104	184881	52.16	ug/L		100
58)	Bromoform	11.07	173	36748	49.68	ug/L		98
61)	Bromobenzene	11.47	156	68396	52.31	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.49	83	80518	52.17	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	125218	52.03	ug/L	#	57
64)	Isopropylbenzene	11.24	105	224450	53.23	ug/L		98
65)	n-Propylbenzene	11.57	91	292276	53.13	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	10674	102.48	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	184984	51.64	ug/L		98
68)	4-Chlorotoluene	11.72	91	221134	52.55	ug/L		97
69)	1,3,5-Trimethylbenzene	11.71	105	185495	51.59	ug/L		99
70)	tert-Butylbenzene	11.97	119	169890	48.80	ug/L		94
71)	1,2,4-Trimethylbenzene	12.01	105	199406	51.77	ug/L		89
72)	sec-Butylbenzene	12.14	105	199478	51.79	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	121129	52.10	ug/L		96
74)	4-Isopropyltoluene	12.24	119	182588	52.24	ug/L		97
75)	1,4-Dichlorobenzene	12.28	146	125030	48.52	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	119032	50.58	ug/L		97
77)	n-Butylbenzene	12.54	91	159021	48.62	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.11	75	12688	49.30	ug/L		92
79)	1,2,4-Trichlorobenzene	13.66	180	60284	52.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	21968	49.41	ug/L		96
81)	Naphthalene	13.83	128	201920	50.37	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	58470	52.87	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	175432	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	263181	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	182883	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	103811	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	158601	100.83	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 201.66%#				
42) Toluene-d8	8.59	98	531917	106.08	ug/L		0.00
Spiked Amount 50.000			Recovery = 212.16%				
59) 4-Bromofluorobenzene	11.35	95	179320	113.83	ug/L		0.00
Spiked Amount 50.000			Recovery = 227.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	130671	101.22	ug/L		99
3) Chloromethane	1.47	50	179683	96.63	ug/L		97
4) Vinyl chloride	1.57	62	131836	93.00	ug/L		98
5) Bromomethane	1.81	94	57919	107.33	ug/L		100
6) Chloroethane	1.90	64	49814	55.06	ug/L		97
7) Trichlorofluoromethane	2.10	101	250953	105.98	ug/L		95
8) Acrolein	2.43	56	41395	198.70	ug/L		99
9) 1,1-Dichloroethene	2.54	96	145451	97.93	ug/L		69
10) Freon-113	2.55	101	106884	93.08	µg/L		89
11) Acetone	2.57	58	39442	192.68	ug/L	#	31
12) Iodomethane	2.68	142	461524	193.20	ug/L		86
13) Carbon disulfide	2.75	76	922407	189.99	ug/L		100
14) Methyl Acetate	2.89	43	274297	88.33	µg/L	#	7
15) Vinyl acetate	2.89	43	274297	176.65	ug/L		90
16) Methylene chloride	3.00	84	160199	102.46	ug/L	#	72
17) Acrylonitrile	3.27	53	163317	187.61	ug/L		99
18) Methyl tert-butyl ether	3.32	73	503542	101.45	µg/L		93
19) trans-1,2-Dichloroethene	3.32	96	167396	94.47	ug/L		87
20) 1,1-Dichloroethane	3.84	63	362811	96.61	ug/L		98
21) 2,2-Dichloropropane	4.70	77	142244	98.13	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	190910	101.78	ug/L		92
23) 2-Butanone	4.74	72	49008	188.22	ug/L	#	36
24) Bromochloromethane	5.07	128	81681	93.61	ug/L	#	58
25) Chloroform	5.21	83	283504	92.09	ug/L		97
26) Cyclohexane	5.57	56	287930	96.79	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	213528	99.06	ug/L		94
30) 1,1-Dichloropropene	5.73	110	73586	101.59	ug/L		94
31) Carbon tetrachloride	5.72	119	175985	106.94	ug/L		99
32) Benzene	6.03	78	704963	103.03	ug/L		100
33) 1,2-Dichloroethane	6.05	62	231764	100.00	ug/L		98
34) Trichloroethene	6.95	130	153037	100.71	ug/L		90
35) Methylcyclohexane	7.21	55	155744	110.44	µg/L		94
36) 1,2-Dichloropropane	7.25	63	182011	101.85	ug/L	#	100
37) Dibromomethane	7.41	93	95794	101.44	ug/L		91
38) Bromodichloromethane	7.65	83	172725	101.80	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	341820	223.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	232224	110.09	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	393317	220.63	ug/L		93
43) Toluene	8.69	92	384530	106.36	ug/L		96
44) trans-1,3-Dichloropropene	9.00	75	200733	98.10	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	104324	103.82	ug/L		99
47) 2-Hexanone	9.54	43	265078	213.23	ug/L		91
48) Tetrachloroethene	9.39	166	118836	102.32	ug/L		90
49) 1,3-Dichloropropane	9.41	76	230012	105.91	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

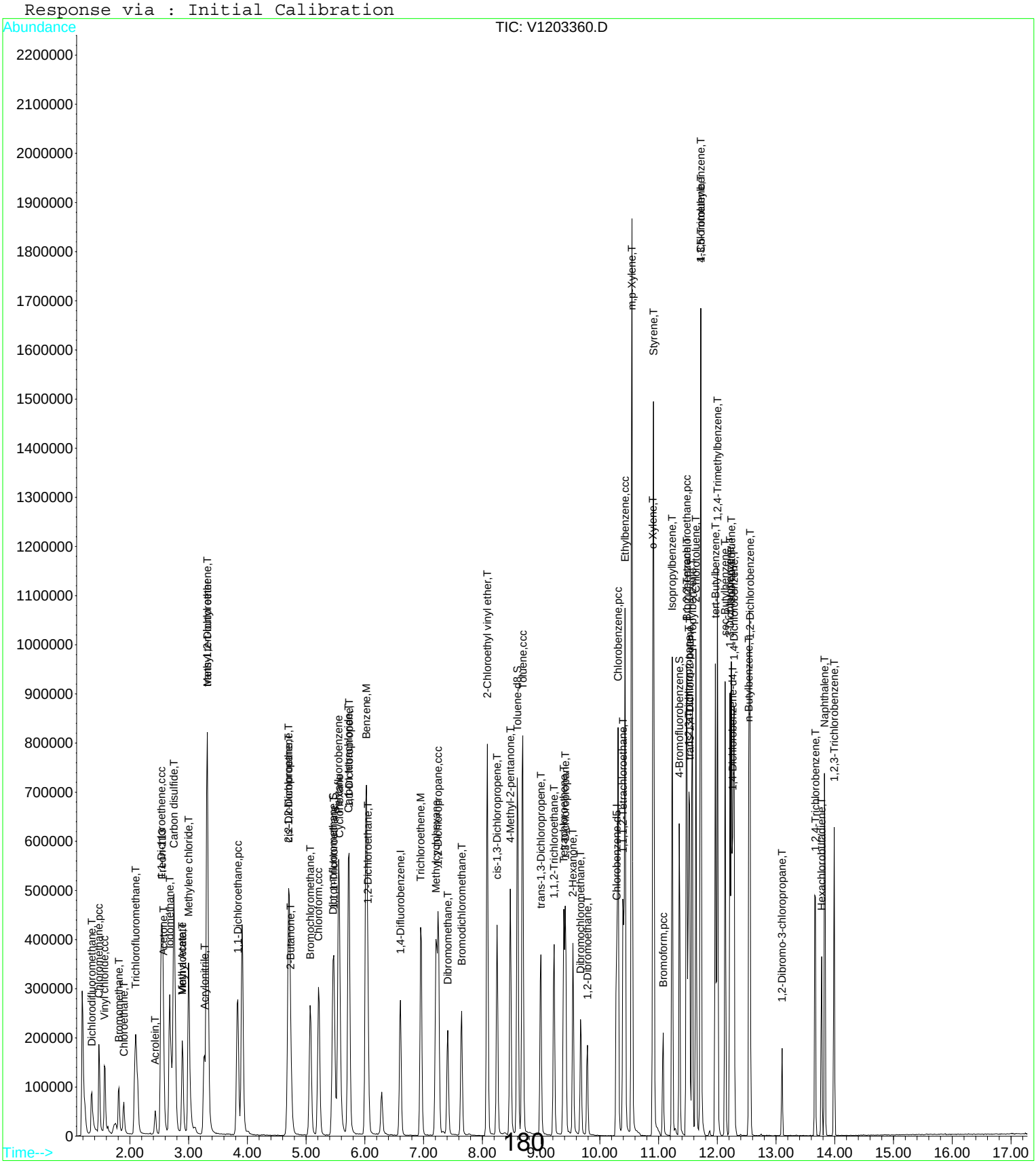
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	119913	105.95	ug/L		95
51)	1,2-Dibromoethane	9.79	107	117901	105.08	ug/L	#	98
52)	Chlorobenzene	10.31	112	377376	101.40	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	118972	110.82	ug/L		94
54)	Ethylbenzene	10.43	91	627127	109.48	ug/L		97
55)	m,p-Xylene	10.55	91	966264	221.85	ug/L		95
56)	o-Xylene	10.90	91	479059	109.36	ug/L		97
57)	Styrene	10.91	104	394184	106.84	ug/L		98
58)	Bromoform	11.08	173	84114	109.25	ug/L		99
61)	Bromobenzene	11.48	156	151617	108.29	ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	168918	102.22	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	279832	108.59	ug/L	#	1
64)	Isopropylbenzene	11.23	105	497102	110.10	ug/L		100
65)	n-Propylbenzene	11.58	91	648514	110.11	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	22704	194.34	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	416987	108.71	ug/L		98
68)	4-Chlorotoluene	11.72	91	487050	108.09	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	422094	109.64	ug/L		100
70)	tert-Butylbenzene	11.97	119	383859	99.07	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	447246	108.44	ug/L		89
72)	sec-Butylbenzene	12.13	105	456059	110.58	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	258853	103.99	ug/L		96
74)	4-Isopropyltoluene	12.24	119	408641	109.19	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	275915	100.01	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	262478	104.16	ug/L		95
77)	n-Butylbenzene	12.53	91	364589	100.99	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	30042	109.01	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	136338	110.16	ug/L		94
80)	Hexachlorobutadiene	13.78	225	50565	106.22	ug/L		99
81)	Naphthalene	13.82	128	448359	100.75	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	132950	112.27	ug/L		96

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	194113	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	287093	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	203665	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	115167	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	251118	169.57	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 339.14%#				
42) Toluene-d8	8.59	98	847124	144.38	ug/L		0.00
Spiked Amount 50.000			Recovery = 288.76%				
59) 4-Bromofluorobenzene	11.35	95	293196	159.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 319.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	220401	121.26	ug/L		99
3) Chloromethane	1.47	50	282372	83.26	ug/L		97
4) Vinyl chloride	1.57	62	210888	80.04	ug/L		99
5) Bromomethane	1.80	94	103773	94.11	ug/L		99
6) Chloroethane	1.89	64	92023	63.72	ug/L		97
7) Trichlorofluoromethane	2.10	101	412302	192.53	ug/L		97
8) Acrolein	2.43	56	55915	226.73	ug/L		99
9) 1,1-Dichloroethene	2.52	96	223123	125.92	ug/L	#	66
10) Freon-113	2.55	101	169043	119.71	µg/L	#	89
11) Acetone	2.57	58	67865	254.95	ug/L	#	20
12) Iodomethane	2.68	142	745470	294.69	ug/L	#	82
13) Carbon disulfide	2.75	76	1392310	239.79	ug/L		100
14) Methyl Acetate	2.89	43	416051	181.09	µg/L	#	8
15) Vinyl acetate	2.89	43	416051	362.16	ug/L		91
16) Methylene chloride	3.00	84	265718	126.42	ug/L		79
17) Acrylonitrile	3.26	53	249843	204.55	ug/L		98
18) Methyl tert-butyl ether	3.32	73	815759	119.40	µg/L		95
19) trans-1,2-Dichloroethene	3.31	96	266680	126.47	ug/L		88
20) 1,1-Dichloroethane	3.83	63	596508	139.59	ug/L		99
21) 2,2-Dichloropropane	4.70	77	238644	127.76	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	321475	141.33	ug/L		92
23) 2-Butanone	4.74	72	87460	296.95	ug/L	#	44
24) Bromochloromethane	5.07	128	139379	142.27	ug/L	#	65
25) Chloroform	5.21	83	474108	145.01	ug/L		100
26) Cyclohexane	5.55	56	469650	105.02	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	368827	149.01	ug/L		95
30) 1,1-Dichloropropene	5.73	110	126511	149.32	ug/L		97
31) Carbon tetrachloride	5.72	119	297817	167.09	ug/L		100
32) Benzene	6.02	78	1149342	141.60	ug/L		100
33) 1,2-Dichloroethane	6.05	62	378870	154.13	ug/L		97
34) Trichloroethene	6.95	130	267669	146.69	ug/L		92
35) Methylcyclohexane	7.21	55	256482	118.95	µg/L		94
36) 1,2-Dichloropropane	7.25	63	296594	135.45	ug/L	#	100
37) Dibromomethane	7.41	93	154334	154.82	ug/L		92
38) Bromodichloromethane	7.65	83	294974	146.83	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	550581	261.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	392102	138.87	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	634759	269.73	ug/L		94
43) Toluene	8.69	92	628207	140.79	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	339045	136.18	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	170389	131.29	ug/L		98
47) 2-Hexanone	9.54	43	452183	308.49	ug/L		90
48) Tetrachloroethene	9.39	166	201549	153.03	ug/L		94
49) 1,3-Dichloropropane	9.42	76	177460	148.49	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203361.D VW052704.M Fri May 28 11:07:36 2004 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

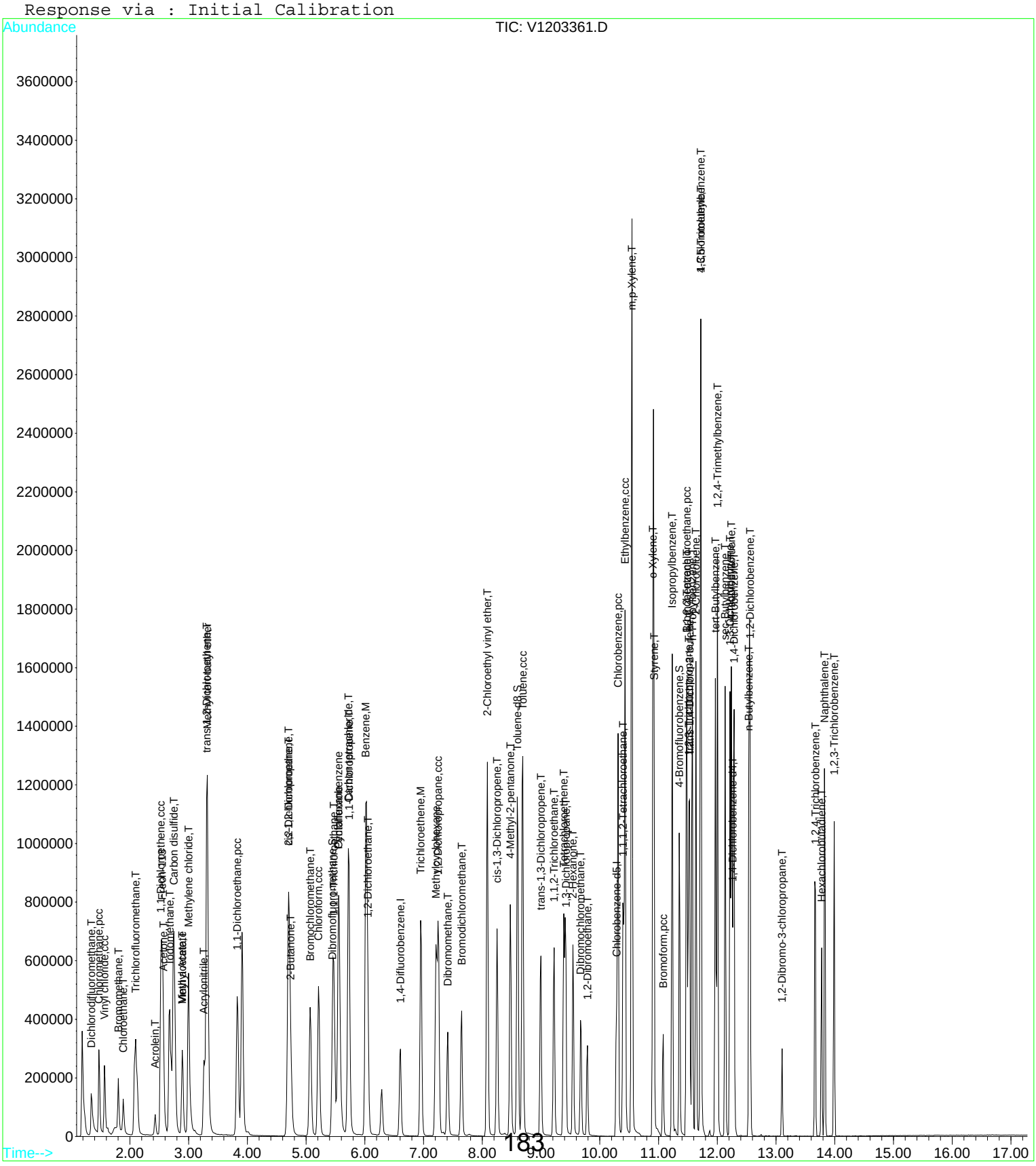
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	202378	166.33	ug/L		94
51)	1,2-Dibromoethane	9.79	107	197226	145.69	ug/L	#	100
52)	Chlorobenzene	10.31	112	617098	152.79	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	204471	158.70	ug/L		98
54)	Ethylbenzene	10.43	91	1057209	160.07	ug/L		96
55)	m,p-Xylene	10.55	91	1591596	318.74	ug/L		95
56)	o-Xylene	10.90	91	802552	156.66	ug/L		94
57)	Styrene	10.93	104	653778	143.55	ug/L		96
58)	Bromoform	11.08	173	146721	176.78	ug/L		98
61)	Bromobenzene	11.48	156	249054	139.64	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	254610	131.26	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	468417	125.33	ug/L	#	1
64)	Isopropylbenzene	11.23	105	846215	119.46	ug/L		99
65)	n-Propylbenzene	11.58	91	1081903	132.15	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	39099	239.39	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	697559	135.70	ug/L		95
68)	4-Chlorotoluene	11.72	91	812515	138.80	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	700772	124.51	ug/L		97
70)	tert-Butylbenzene	11.97	119	651628	133.80	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	759078	127.94	ug/L		90
72)	sec-Butylbenzene	12.13	105	779538	122.86	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	423200	130.40	ug/L		95
74)	4-Isopropyltoluene	12.24	119	686127	137.01	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	462417	133.98	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	428082	133.21	ug/L		96
77)	n-Butylbenzene	12.54	91	613260	140.76	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	51262	142.19	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	240989	146.98	ug/L		96
80)	Hexachlorobutadiene	13.78	225	87213	139.22	ug/L		98
81)	Naphthalene	13.83	128	752043	134.22	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	221655	142.92	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	210108	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	306958	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	217112	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	122961	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	366024	199.52	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 399.04%#				
42) Toluene-d8	8.60	98	1217413	208.17	ug/L		0.00
Spiked Amount 50.000			Recovery = 416.34%				
59) 4-Bromofluorobenzene	11.35	95	433024	231.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 463.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	320667	207.40	ug/L		98
3) Chloromethane	1.47	50	399398	179.34	ug/L		94
4) Vinyl chloride	1.57	62	300508	176.99	ug/L		99
5) Bromomethane	1.79	94	125159	197.72	ug/L		99
6) Chloroethane	1.89	64	155374	143.38	ug/L		97
7) Trichlorofluoromethane	2.09	101	586103	206.66	ug/L		97
8) Acrolein	2.43	56	68060	274.10	ug/L		99
9) 1,1-Dichloroethene	2.53	96	283803	159.55	ug/L	#	55
10) Freon-113	2.55	101	223432	162.47	µg/L	#	88
11) Acetone	2.57	58	94677	398.35	ug/L	#	1
12) Iodomethane	2.67	142	1010703	353.26	ug/L	#	79
13) Carbon disulfide	2.74	76	1811302	311.51	ug/L		100
14) Methyl Acetate	2.89	43	558319	150.11	µg/L	#	8
15) Vinyl acetate	2.89	43	558452	300.29	ug/L		93
16) Methylene chloride	3.00	84	349794	192.64	ug/L		79
17) Acrylonitrile	3.26	53	336550	322.80	ug/L		99
18) Methyl tert-butyl ether	3.32	73	1158976	194.96	µg/L		98
19) trans-1,2-Dichloroethene	3.31	96	358893	169.11	ug/L		86
20) 1,1-Dichloroethane	3.83	63	860029	191.21	ug/L		98
21) 2,2-Dichloropropane	4.70	77	346467	199.57	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	467026	207.89	ug/L		93
23) 2-Butanone	4.74	72	134348	430.81	ug/L	#	49
24) Bromochloromethane	5.07	128	203917	195.13	ug/L	#	67
25) Chloroform	5.21	83	690615	187.31	ug/L		100
26) Cyclohexane	5.55	56	682016	191.43	µg/L		99
27) 1,1,1-Trichloroethane	5.47	97	536053	207.63	ug/L		96
30) 1,1-Dichloropropene	5.72	110	176755	209.21	ug/L		93
31) Carbon tetrachloride	5.72	119	447959	233.38	ug/L		99
32) Benzene	6.02	78	1643734	205.97	ug/L		99
33) 1,2-Dichloroethane	6.05	62	556244	205.78	ug/L		98
34) Trichloroethene	6.95	130	394534	222.61	ug/L		93
35) Methylcyclohexane	7.21	55	368483	224.04	µg/L		94
36) 1,2-Dichloropropane	7.25	63	417591	200.34	ug/L	#	100
37) Dibromomethane	7.41	93	227564	206.61	ug/L		90
38) Bromodichloromethane	7.65	83	429244	216.91	ug/L		98
39) 2-Chloroethyl vinyl ether	8.09	63	777793	436.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	559807	227.55	ug/L		99
41) 4-Methyl-2-pentanone	8.48	43	888510	427.33	ug/L		95
43) Toluene	8.69	92	888065	210.61	ug/L		97
44) trans-1,3-Dichloropropene	9.00	75	493441	201.76	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	246320	210.18	ug/L		96
47) 2-Hexanone	9.54	43	647960	439.04	ug/L		91
48) Tetrachloroethene	9.39	166	279881	202.99	ug/L		93
49) 1,3-Dichloropropane	9.41	76	534333	207.24	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

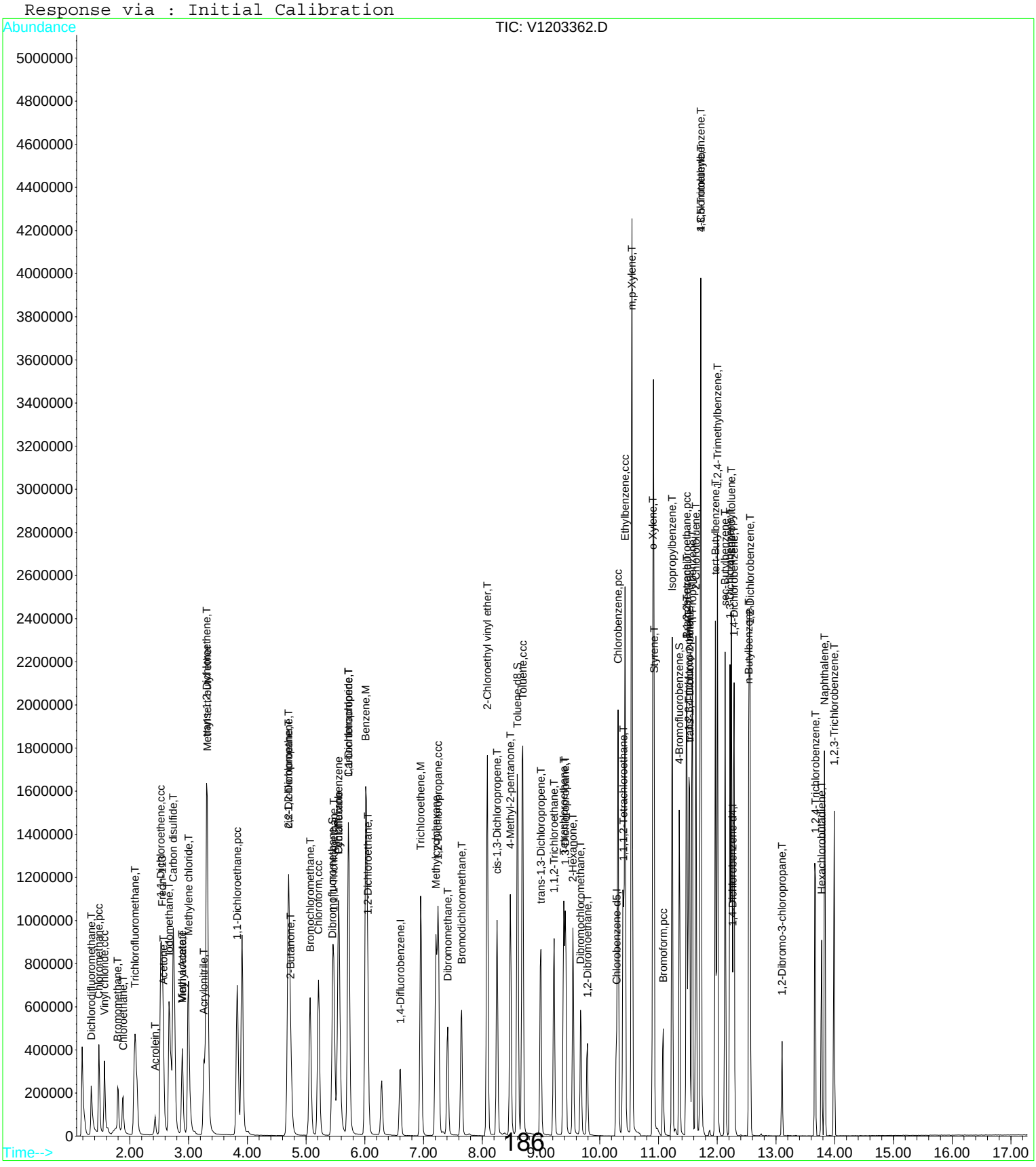
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	Dibromochloromethane	9.67	129	292400	217.63 ug/L		96
51)	1,2-Dibromoethane	9.79	107	287321	215.71 ug/L	#	99
52)	Chlorobenzene	10.31	112	877577	198.62 ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.41	131	301371	236.47 ug/L		99
54)	Ethylbenzene	10.43	91	1502586	220.95 ug/L		95
55)	m,p-Xylene	10.55	91	2222442	429.82 ug/L		93
56)	o-Xylene	10.90	91	1140613	219.32 ug/L		94
57)	Styrene	10.93	104	910596	207.89 ug/L		93
58)	Bromoform	11.08	173	215408	235.67 ug/L		97
61)	Bromobenzene	11.48	156	354061	213.50 ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	332530	169.89 ug/L		99
63)	1,2,3-Trichloropropane	11.52	75	666796	218.46 ug/L	#	1
64)	Isopropylbenzene	11.23	105	1208016	225.89 ug/L		99
65)	n-Propylbenzene	11.58	91	1553035	222.61 ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	57542	405.15 ug/L	#	100
67)	2-Chlorotoluene	11.64	91	990141	217.93 ug/L		96
68)	4-Chlorotoluene	11.72	91	1165089	218.30 ug/L		92
69)	1,3,5-Trimethylbenzene	11.72	105	989213	216.94 ug/L		98
70)	tert-Butylbenzene	11.97	119	939730	201.01 ug/L		90
71)	1,2,4-Trimethylbenzene	12.00	105	1081204	221.31 ug/L		92
72)	sec-Butylbenzene	12.13	105	1114256	228.09 ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	615190	208.65 ug/L		96
74)	4-Isopropyltoluene	12.24	119	988984	223.10 ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	636444	194.76 ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	603629	202.24 ug/L		95
77)	n-Butylbenzene	12.54	91	860854	198.61 ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	73334	224.66 ug/L		92
79)	1,2,4-Trichlorobenzene	13.67	180	340041	231.96 ug/L		96
80)	Hexachlorobutadiene	13.78	225	129848	230.29 ug/L		100
81)	Naphthalene	13.83	128	1069181	199.35 ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	317800	226.57 ug/L		98

(#) = qualifier out of range (m) = manual integration
V1203362.D VW052704.M Fri May 28 11:07:50 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	201489	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	300401	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	204560	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	112683	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	87707	48.85	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 97.70%				
42) Toluene-d8	8.60	98	306261	53.51	ug/L		0.00
Spiked Amount 50.000			Recovery = 107.02%				
59) 4-Bromofluorobenzene	11.35	95	103453	58.71	ug/L		0.00
Spiked Amount 50.000			Recovery = 117.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	76725	51.75	ug/L		99
3) Chloromethane	1.47	50	93505	43.78	ug/L		96
4) Vinyl chloride	1.57	62	75750	46.52	ug/L		98
5) Bromomethane	1.82	94	27654	41.66	ug/L		99
6) Chloroethane	1.90	64	36239	34.87	ug/L		98
7) Trichlorofluoromethane	2.10	101	145763	53.60	ug/L		99
8) Acrolein	2.43	56	20706	84.54	ug/L		96
9) 1,1-Dichloroethene	2.54	96	81002	47.49	ug/L	#	67
10) Freon-113	2.55	101	62705	47.55	µg/L		91
11) Acetone	2.56	58	40948	173.00	ug/L	#	37
12) Iodomethane	2.68	142	261147	95.18	ug/L		86
13) Carbon disulfide	2.75	76	520461	93.34	ug/L		100
14) Methyl Acetate	2.89	43	134797	37.79	µg/L	#	7
15) Vinyl acetate	2.89	43	134797	75.58	ug/L		90
16) Methylene chloride	3.00	84	88212	45.43	ug/L	#	74
17) Acrylonitrile	3.26	53	79777	79.79	ug/L		99
18) Methyl tert-butyl ether	3.32	73	258623	45.37	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	92368	45.38	ug/L		88
20) 1,1-Dichloroethane	3.83	63	195497	45.32	ug/L		99
21) 2,2-Dichloropropane	4.70	77	92072	55.30	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	105851	49.13	ug/L		94
23) 2-Butanone	4.74	72	37403	125.07	ug/L	#	32
24) Bromochloromethane	5.07	128	46112	46.01	ug/L	#	62
25) Chloroform	5.21	83	154164	43.60	ug/L		98
26) Cyclohexane	5.55	56	166711	48.79	µg/L		97
27) 1,1,1-Trichloroethane	5.47	97	126250	50.99	ug/L		95
30) 1,1-Dichloropropene	5.72	110	44168	53.42	ug/L		96
31) Carbon tetrachloride	5.72	119	96204	51.21	ug/L		97
32) Benzene	6.02	78	386050	49.43	ug/L		99
33) 1,2-Dichloroethane	6.05	62	121934	46.09	ug/L		98
34) Trichloroethene	6.95	130	88006	50.74	ug/L		94
35) Methylcyclohexane	7.21	55	91291	56.72	µg/L		95
36) 1,2-Dichloropropane	7.25	63	94245	46.20	ug/L	#	100
37) Dibromomethane	7.41	93	50198	46.57	ug/L		89
38) Bromodichloromethane	7.65	83	93234	48.14	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	171012	98.10	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	124200	51.59	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	207775	102.11	ug/L		93
43) Toluene	8.68	92	206840	50.12	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	103459	46.77	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	52890	46.11	ug/L		99
47) 2-Hexanone	9.54	43	184202	132.47	ug/L		89
48) Tetrachloroethene	9.39	166	66451	51.15	ug/L		91
49) 1,3-Dichloropropane	9.41	76	120175	49.47	ug/L		97

(#) = qualifier out of range (m) = manual integration
V1203366.D VW052704.M Fri May 28 11:08:14 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

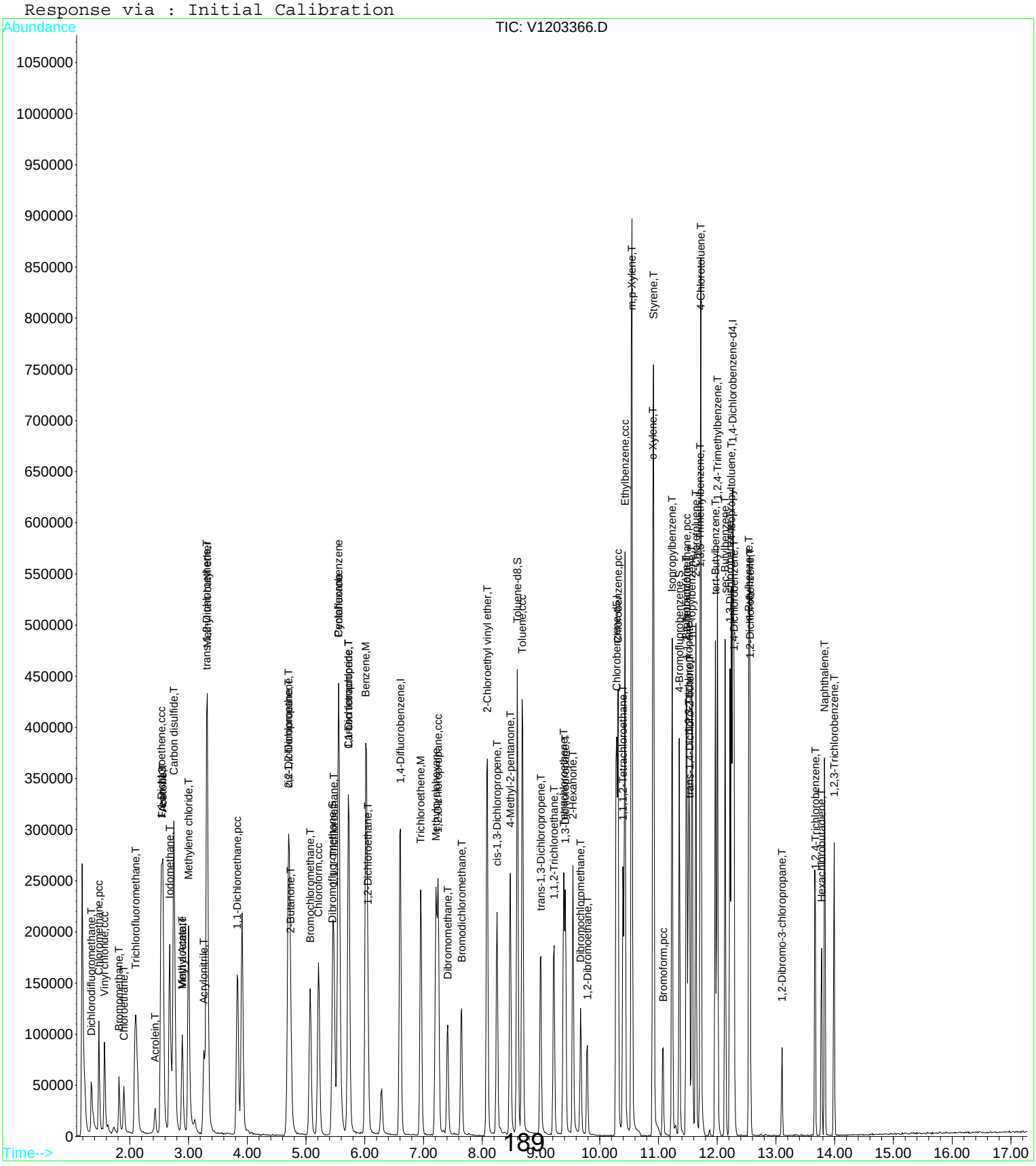
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	60302	47.64	ug/L		99
51)	1,2-Dibromoethane	9.79	107	60472	48.19	ug/L	#	98
52)	Chlorobenzene	10.31	112	199386	47.90	ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.39	131	58442	48.67	ug/L		92
54)	Ethylbenzene	10.43	91	332996	51.97	ug/L		96
55)	m,p-Xylene	10.55	91	516037	105.92	ug/L		97
56)	o-Xylene	10.90	91	251263	51.28	ug/L		96
57)	Styrene	10.92	104	201074	48.72	ug/L		99
58)	Bromoform	11.08	173	41743	48.47	ug/L		96
61)	Bromobenzene	11.47	156	78823	51.86	ug/L	#	61
62)	1,1,2,2-Tetrachloroethane	11.48	83	78984	44.03	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	135464	48.43	ug/L	#	58
64)	Isopropylbenzene	11.23	105	264884	54.05	ug/L		99
65)	n-Propylbenzene	11.57	91	344839	53.94	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	11978	99.27	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	215671	51.80	ug/L		97
68)	4-Chlorotoluene	11.72	91	252215	51.57	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	216070	51.71	ug/L		98
70)	tert-Butylbenzene	11.97	119	197091	48.72	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	226973	50.70	ug/L		89
72)	sec-Butylbenzene	12.13	105	239211	53.43	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	133055	49.24	ug/L		97
74)	4-Isopropyltoluene	12.24	119	210422	51.80	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	142241	47.50	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	132416	48.41	ug/L		96
77)	n-Butylbenzene	12.54	91	191969	50.39	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	15280	51.08	ug/L		84
79)	1,2,4-Trichlorobenzene	13.67	180	67975	50.60	ug/L		94
80)	Hexachlorobutadiene	13.78	225	26965	52.18	ug/L		96
81)	Naphthalene	13.83	128	211912	45.82	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	62631	48.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.368	0.381	-3.5	118	0.00
3	pcc	Chloromethane	0.530	0.464	12.5	106	0.00
4	ccc	Vinyl chloride	0.404	0.376	6.9	109	0.00
5	T	Bromomethane	0.186	0.137	26.3#	117	0.02
6	T	Chloroethane	0.258	0.180	30.2#	111	0.01
7	T	Trichlorofluoromethane	0.675	0.723	-7.1	128	0.01
8	T	Acrolein	0.064	0.051	20.3	99	0.00
9	ccc	1,1-Dichloroethene	0.423	0.402	5.0	116	0.01
10		Freon-113	0.327	0.311	4.9	120	0.00
11	T	Acetone	0.072	0.102	-41.7#	0#	-0.01
12	T	Iodomethane	0.681	0.648	4.8	119	0.01
13	T	Carbon disulfide	1.384	1.292	6.6	116	0.01
14		Methyl Acetate	0.885	0.669	24.4	98	0.00
15	T	Vinyl acetate	0.443	0.335	24.4	98	0.00
16	T	Methylene chloride	0.616	0.438	28.9#	108	0.00
17	T	Acrylonitrile	0.248	0.198	20.2	98	0.00
18		Methyl tert-butyl ether	1.415	1.284	9.3	111	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.458	9.3	112	0.00
20	pcc	1,1-Dichloroethane	1.070	0.970	9.3	116	0.00
21	T	2,2-Dichloropropane	0.413	0.457	-10.7	139	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.525	1.9	122	0.00
23	T	2-Butanone	0.074	0.093	-25.7#	150#	0.00
24	T	Bromochloromethane	0.249	0.229	8.0	116	0.00
25	ccc	Chloroform	0.877	0.765	12.8	115	0.00
26		Cyclohexane	0.848	0.827	2.5	127	0.00
27	T	1,1,1-Trichloroethane	0.614	0.627	-2.1	125	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
29	S	Dibromofluoromethane	0.299	0.292	2.3	126	0.00
30	T	1,1-Dichloropropene	0.138	0.147	-6.5	130	0.00
31	T	Carbon tetrachloride	0.313	0.320	-2.2	124	0.00
32	M	Benzene	1.300	1.285	1.2	118	0.00
33	T	1,2-Dichloroethane	0.440	0.406	7.7	113	0.00
34	M	Trichloroethene	0.289	0.293	-1.4	126	0.00
35		Methylcyclohexane	0.268	0.304	-13.4	133	0.00
36	ccc	1,2-Dichloropropane	0.340	0.314	7.6	110	0.00
37	T	Dibromomethane	0.179	0.167	6.7	109	0.00
38	T	Bromodichloromethane	0.322	0.310	3.7	116	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.285	1.7	110	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.413	-3.0	116	0.00
41	T	4-Methyl-2-pentanone	0.339	0.346	-2.1	112	0.00
42	S	Toluene-d8	0.953	1.020	-7.0	127	0.00
43	ccc	Toluene	0.687	0.689	-0.3	115	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.344	-2.7	113	0.00
45	T	1,1,2-Trichloroethane	0.191	0.176	7.9	108	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
47	T	2-Hexanone	0.340	0.450	-32.4#	143	0.00
48	T	Tetrachloroethene	0.318	0.325	-2.2	121	0.00
49	T	1,3-Dichloropropane	0.594	0.587	1.2	117	0.00
50	T	Dibromochloromethane	0.309	0.295	4.5	108	0.00
51	T	1,2-Dibromoethane	0.307	0.296	3.6	111	0.00
52	pcc	Chlorobenzene	1.018	0.975	4.2	117	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.286	2.7	109	-0.01
54	ccc	Ethylbenzene	1.566	1.628	-4.0	117	0.00
55	T	m,p-Xylene	1.191	1.261	-5.9	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.228	-2.5	116	0.00
57	T	Styrene	1.009	0.983	2.6	109	-0.01
58	pcc	Bromoform	0.211	0.204	3.3	114	0.00
59	S	4-Bromofluorobenzene	0.431	0.506	-17.4	133	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
61	T	Bromobenzene	0.674	0.700	-3.9	115	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.701	11.9	98	0.00
63	T	1,2,3-Trichloropropane	1.241	1.202	3.1	108	0.00
64	T	Isopropylbenzene	2.175	2.351	-8.1	118	0.00
65	T	n-Propylbenzene	2.837	3.060	-7.9	118	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.053	-10.4	112	0.00
67	T	2-Chlorotoluene	1.847	1.914	-3.6	117	0.00
68	T	4-Chlorotoluene	2.170	2.238	-3.1	114	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.918	-3.5	116	-0.01
70	T	tert-Butylbenzene	1.653	1.749	-5.8	116	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.014	-1.4	114	0.00
72	T	sec-Butylbenzene	1.987	2.123	-6.8	120	0.00
73	T	1,3-Dichlorobenzene	1.199	1.181	1.5	110	0.00
74	T	4-Isopropyltoluene	1.803	1.867	-3.5	115	0.00
75	T	1,4-Dichlorobenzene	1.329	1.262	5.0	114	0.00
76	T	1,2-Dichlorobenzene	1.214	1.175	3.2	111	0.00
77	T	n-Butylbenzene	1.555	1.704	-9.6	121	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.136	-2.3	120	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.603	-1.2	113	0.00
80	T	Hexachlorobutadiene	0.229	0.239	-4.4	123	0.00
81	T	Naphthalene	1.855	1.881	-1.4	105	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.556	2.5	107	0.00

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

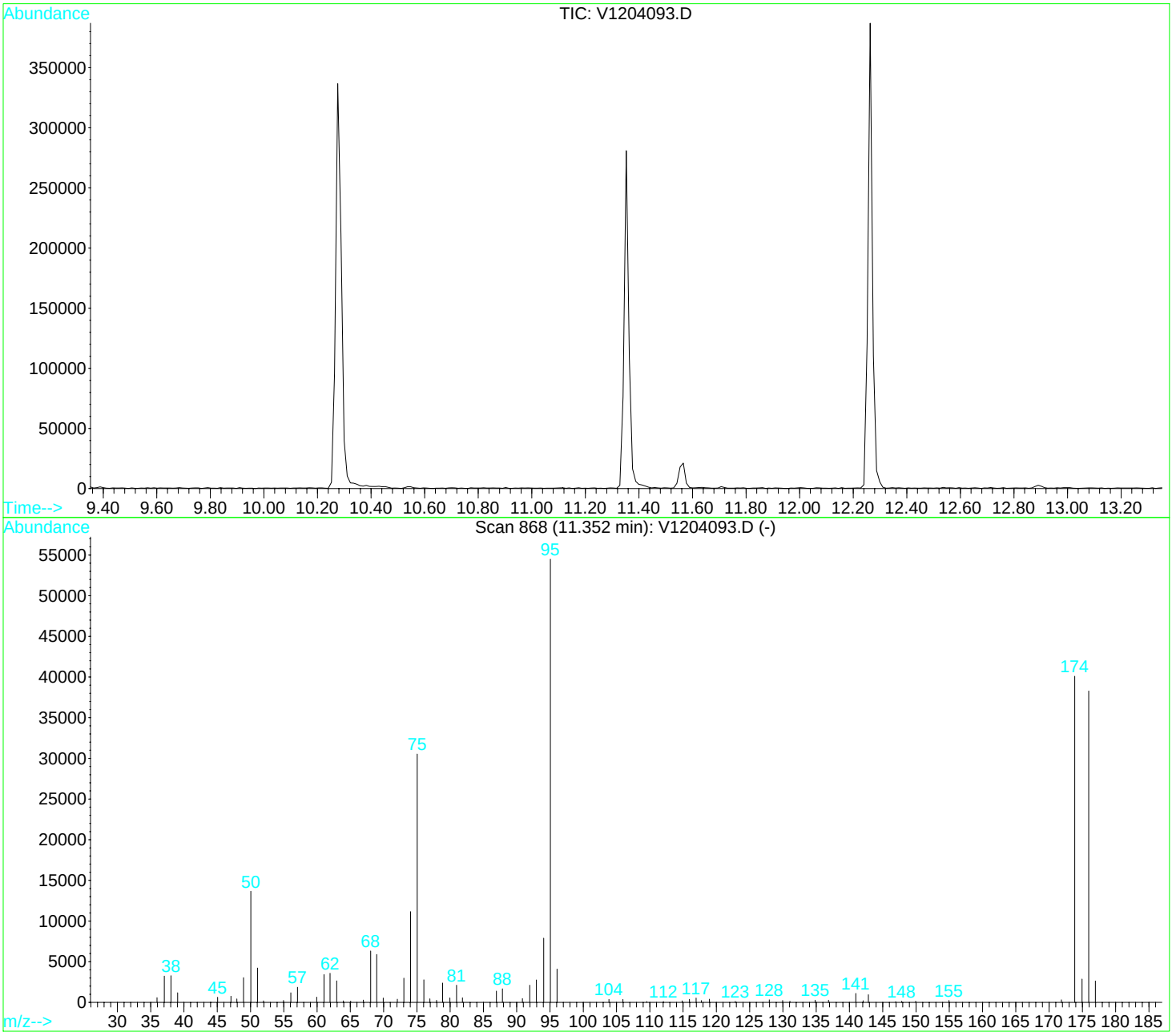
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1204093.D	1.	BFB	TUNE BFB_4	24 Jun 2004 09:21
2	2	V1204094.D	1.	BLANK	BLANK	24 Jun 2004 10:02
3	3	V1204095.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 10:39
4	4	V1204096.D	1.	MB-47082	MBLK 8260B_W	24 Jun 2004 11:19
5	5	V1204097.D	1.	LCS-47082	LCS 8260B_W	24 Jun 2004 11:44
6	6	V1204098.D	1.	0406914-001A *10	SAMP 8260B_W	24 Jun 2004 12:09
7	7	V1204099.D	1.	MB-47035 *20	MB 1311_V	24 Jun 2004 12:34
8	8	V1204100.D	1.	0406980-001A *20	SAMP 1311_V	24 Jun 2004 13:21
9	9	V1204101.D	1.	0406B07-010A	SAMP 8260_TCL4.2_W	24 Jun 2004 13:45
10	10	V1204102.D	1.	0406B07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:10
11	11	V1204103.D	1.	0406B07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:36
12	12	V1204104.D	1.	0406C07-003A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 15:01
13	13	V1204105.D	1.	0406C07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:26
14	14	V1204106.D	1.	0406C07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:51
15	15	V1204107.D	1.	0406C07-004A	SAMP 8260_TCL4.2_W	24 Jun 2004 16:16
16	16	V1204108.D	1.	0406C07-003A *10	SAMP 8260_TCL4.2_W	24 Jun 2004 16:40
17	17	V1204109.D	1.	0406C07-001AMS	MS 8260_TCL4.2_W	24 Jun 2004 17:05
18	17	V1204110.D	1.	0406C07-001AMSD	MSD 8260_TCL4.2_W	24 Jun 2004 17:29
19	18	V1204111.D	1.	MB-47074	MBLK 8260_TCL4.2_X	24 Jun 2004 17:54
20	19	V1204112.D	1.	LCS-47074	LCS 8260_TCL4.2_X	24 Jun 2004 18:19
21	20	V1204113.D	1.	0406B33-003A *500	SAMP 8260_TCL4.2_X	24 Jun 2004 18:43
22	21	V1204114.D	1.	0406B33-003AMS *500	MS 8260_TCL4.2_X	24 Jun 2004 19:08
23	21	V1204115.D	1.	0406B33-003AMS *500	MSD 8260_TCL4.2_X	24 Jun 2004 19:33
24	22	V1204116.D	1.	0406C14-001A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 19:58
25	23	V1204117.D	1.	0406C14-002A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:23
26	24	V1204118.D	1.	0406C14-003A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:47
27	25	V1204119.D	1.	0406C14-006A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:12
28	26	V1204120.D	1.	0406C14-007A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:37
29	27	V1204121.D	1.	BLANK	BLANK	24 Jun 2004 22:02
30	28	V1204122.D	1.	BLANK	BLANK	24 Jun 2004 22:27
31	29	V1204123.D	1.	BFB	TUNE BFB_4	24 Jun 2004 22:52
32	30	V1204124.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 23:17
33	31	V1204125.D	1.	MB----------	MBLK 8260B_W	24 Jun 2004 23:42
34	32	V1204126.D	1.	LCS----------	LCS 8260B_W	25 Jun 2004 00:07
35	33	V1204127.D	1.	0406983-013A *10	SAMP 8260B_W	25 Jun 2004 00:32

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
36	34	V1204128.D	1.	0406983-014A	*10	SAMP 8260B_W	25 Jun 2004 00:56
37	35	V1204129.D	1.	0406B07-003A		SAMP 8260_TCL4.2_W	25 Jun 2004 01:21
38		V1204130.D	1.				

Data File : C:\HPCHEM\1\DATA\062404\V1204093.D Vial: 1
Acq On : 24 Jun 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Scan 868

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	13663	PASS
75	95	30	60	56.0	30536	PASS
95	95	100	100	100.0	54492	PASS
96	95	5	9	7.5	4098	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.6	40092	PASS
175	174	5	9	7.1	2865	PASS
176	174	95	101	95.5	38288	PASS
177	176	5	9	6.9	2630	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	68	0.00
2	T	Dichlorodifluoromethane	0.368	0.392	-6.5	70	0.01
3	pcc	Chloromethane	0.530	0.423	20.2	56	0.00
4	ccc	Vinyl chloride	0.404	0.364	9.9	61	0.00
5	T	Bromomethane	0.186	0.205	-10.2	100	0.02
6	T	Chloroethane	0.258	0.229	11.2	81	0.01
7	T	Trichlorofluoromethane	0.675	0.868	-28.6	89	0.01
8	T	Acrolein	0.064	0.015	76.6#	17#	0.01
9	ccc	1,1-Dichloroethene	0.423	0.351	17.0	58	0.01
10		Freon-113	0.327	0.288	11.9	64	0.00
11	T	Acetone	0.072	0.063	12.5	0#	-0.01
12	T	Iodomethane	0.681	0.594	12.8	63	0.01
13	T	Carbon disulfide	1.384	1.057	23.6	55	0.01
14		Methyl Acetate	0.885	0.507	42.7#	43#	0.00
15	T	Vinyl acetate	0.443	0.253	42.9#	43#	0.00
16	T	Methylene chloride	0.616	0.385	37.5#	55	0.00
17	T	Acrylonitrile	0.248	0.142	42.7#	41#	0.00
18		Methyl tert-butyl ether	1.415	1.058	25.2	53	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.397	21.4	56	0.00
20	pcc	1,1-Dichloroethane	1.070	0.833	22.1	58	0.00
21	T	2,2-Dichloropropane	0.413	0.438	-6.1	76	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.462	13.6	62	0.00
23	T	2-Butanone	0.074	0.057	23.0	53	-0.01
24	T	Bromochloromethane	0.249	0.214	14.1	62	0.00
25	ccc	Chloroform	0.877	0.755	13.9	65	0.00
26		Cyclohexane	0.848	0.618	27.1	55	0.00
27	T	1,1,1-Trichloroethane	0.614	0.672	-9.4	77	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	-0.01
29	S	Dibromofluoromethane	0.299	0.303	-1.3	73	0.00
30	T	1,1-Dichloropropene	0.138	0.132	4.3	65	0.00
31	T	Carbon tetrachloride	0.313	0.380	-21.4	82	0.00
32	M	Benzene	1.300	1.115	14.2	57	0.00
33	T	1,2-Dichloroethane	0.440	0.444	-0.9	70	0.00
34	M	Trichloroethene	0.289	0.284	1.7	69	0.00
35		Methylcyclohexane	0.268	0.250	6.7	61	0.00
36	ccc	1,2-Dichloropropane	0.340	0.276	18.8	54	0.00
37	T	Dibromomethane	0.179	0.162	9.5	59	0.00
38	T	Bromodichloromethane	0.322	0.320	0.6	67	-0.01
39	T	2-Chloroethyl vinyl ether	0.290	0.229	21.0	49#	-0.01
40	T	cis-1,3-Dichloropropene	0.401	0.365	9.0	57	0.00
41	T	4-Methyl-2-pentanone	0.339	0.258	23.9	47#	0.00
42	S	Toluene-d8	0.953	1.023	-7.3	71	0.00
43	ccc	Toluene	0.687	0.649	5.5	61	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.308	8.1	56	-0.01
45	T	1,1,2-Trichloroethane	0.191	0.174	8.9	60	-0.01
46	I	Chlorobenzene-d5	1.000	1.000	0.0	69	0.00
47	T	2-Hexanone	0.340	0.280	17.6	52	0.00
48	T	Tetrachloroethene	0.318	0.322	-1.3	71	0.00
49	T	1,3-Dichloropropane	0.594	0.515	13.3	60	0.00
50	T	Dibromochloromethane	0.309	0.313	-1.3	68	0.00
51	T	1,2-Dibromoethane	0.307	0.276	10.1	61	-0.01
52	pcc	Chlorobenzene	1.018	0.909	10.7	64	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.322	-9.5	72	-0.01
54	ccc	Ethylbenzene	1.566	1.542	1.5	65	0.00
55	T	m,p-Xylene	1.191	1.202	-0.9	67	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.200	-0.2	67	0.00
57	T	Styrene	1.009	0.949	5.9	62	-0.01
58	pcc	Bromoform	0.211	0.211	0.0	69	0.00
59	S	4-Bromofluorobenzene	0.431	0.529	-22.7	82	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
61	T	Bromobenzene	0.674	0.621	7.9	67	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.576	27.6	52	0.00
63	T	1,2,3-Trichloropropane	1.241	0.653	47.4#	38#	-0.01
64	T	Isopropylbenzene	2.175	2.084	4.2	68	0.00
65	T	n-Propylbenzene	2.837	2.534	10.7	64	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.008	83.3#	11#	0.00
67	T	2-Chlorotoluene	1.847	1.723	6.7	68	0.00
68	T	4-Chlorotoluene	2.170	2.110	2.8	70	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.767	4.7	70	-0.01
70	T	tert-Butylbenzene	1.653	1.640	0.8	71	0.00
71	T	1,2,4-Trimethylbenzene	1.987	1.874	5.7	69	0.00
72	T	sec-Butylbenzene	1.987	1.926	3.1	71	0.00
73	T	1,3-Dichlorobenzene	1.199	1.099	8.3	66	0.00
74	T	4-Isopropyltoluene	1.803	1.796	0.4	72	0.00
75	T	1,4-Dichlorobenzene	1.329	1.210	9.0	71	0.00
76	T	1,2-Dichlorobenzene	1.214	1.136	6.4	70	0.00
77	T	n-Butylbenzene	1.555	1.560	-0.3	72	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.107	19.5	62	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.572	4.0	70	0.00
80	T	Hexachlorobutadiene	0.229	0.259	-13.1	86	0.00
81	T	Naphthalene	1.855	1.629	12.2	59	0.01
82	T	1,2,3-Trichlorobenzene	0.570	0.546	4.2	68	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	115923	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	168469	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	120521	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73300	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51111	50.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 101.52%				
42) Toluene-d8	8.59	98	172305	53.68	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 107.36%				
59) 4-Bromofluorobenzene	11.35	95	63802	61.46	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 122.92%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	45386	53.21	ug/L		95
3) Chloromethane	1.47	50	49069	39.93	ug/L		94
4) Vinyl chloride	1.57	62	42249	45.10	ug/L		98
5) Bromomethane	1.81	94	23778	64.77	ug/L		98
6) Chloroethane	1.90	64	26511	44.34	ug/L		94
7) Trichlorofluoromethane	2.10	101	100598	64.29	ug/L		96
8) Acrolein	2.44	56	3578	22.92	ug/L		99
9) 1,1-Dichloroethene	2.54	96	40727	41.50	ug/L	#	70
10) Freon-113	2.55	101	33395	44.01	µg/L	#	87
11) Acetone	2.56	58	14683	103.26	ug/L	#	17
12) Iodomethane	2.68	142	137636	87.19	ug/L	#	76
13) Carbon disulfide	2.75	76	245015	76.37	ug/L		100
14) Methyl Acetate	2.89	43	58741	28.62	µg/L	#	6
15) Vinyl acetate	2.89	43	58741	57.25	ug/L		89
16) Methylene chloride	3.00	84	44632	39.10	ug/L	#	73
17) Acrylonitrile	3.26	53	32883	57.16	ug/L		96
18) Methyl tert-butyl ether	3.32	73	122684	37.41	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	46028	39.31	ug/L		91
20) 1,1-Dichloroethane	3.83	63	96565	38.91	ug/L		99
21) 2,2-Dichloropropane	4.70	77	50740	52.97	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	53511	43.17	ug/L		94
23) 2-Butanone	4.73	72	13300	77.30	ug/L	#	42
24) Bromochloromethane	5.07	128	24757	42.94	ug/L	#	74
25) Chloroform	5.21	83	87492	43.01	ug/L		99
26) Cyclohexane	5.55	56	71624	36.44	µg/L		90
27) 1,1,1-Trichloroethane	5.47	97	77885	54.68	ug/L		96
30) 1,1-Dichloropropene	5.72	110	22173	47.82	ug/L		99
31) Carbon tetrachloride	5.72	119	63974	60.73	ug/L		99
32) Benzene	6.02	78	187833	42.89	ug/L		99
33) 1,2-Dichloroethane	6.05	62	74777	50.40	ug/L		98
34) Trichloroethene	6.95	130	47809	49.15	ug/L		95
35) Methylcyclohexane	7.21	55	42199	46.75	µg/L		94
36) 1,2-Dichloropropane	7.25	63	46416	40.57	ug/L	#	100
37) Dibromomethane	7.41	93	27303	45.17	ug/L		93
38) Bromodichloromethane	7.64	83	53848	49.58	ug/L		98
39) 2-Chloroethyl vinyl ether	8.07	63	77134	78.90	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	61575	45.60	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	86791	76.06	ug/L		93
43) Toluene	8.68	92	109298	47.23	ug/L		97
44) trans-1,3-Dichloropropene	8.99	75	51845	42.27	ug/L		98
45) 1,1,2-Trichloroethane	9.21	83	29315	45.58	ug/L		94
47) 2-Hexanone	9.54	43	67442	82.32	ug/L		88
48) Tetrachloroethene	9.39	166	38782	50.67	ug/L		94
49) 1,3-Dichloropropane	9.41	76	62055	43.36	ug/L		98

(#) = qualifier out of range (m) = manual integration
V1204095.D VW052704.M Thu Jun 24 13:17:17 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

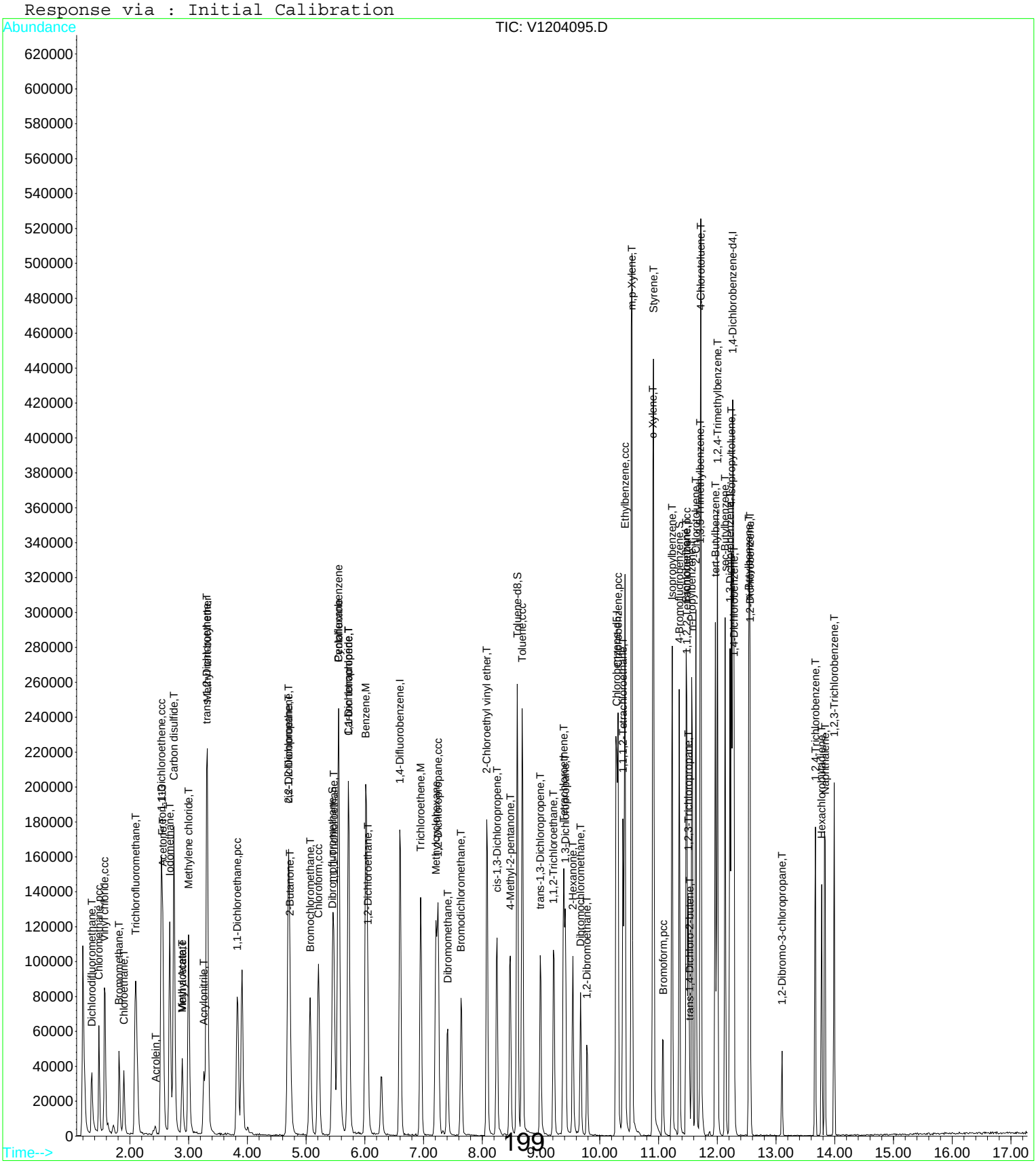
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	37727	50.58	ug/L		97
51)	1,2-Dibromoethane	9.78	107	33312	45.05	ug/L	#	96
52)	Chlorobenzene	10.31	112	109613	44.69	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	38790	54.83	ug/L		94
54)	Ethylbenzene	10.43	91	185818	49.22	ug/L		97
55)	m,p-Xylene	10.55	91	289830	100.98	ug/L		97
56)	o-Xylene	10.90	91	144636	50.10	ug/L		95
57)	Styrene	10.91	104	114361	47.03	ug/L		95
58)	Bromoform	11.08	173	25446	50.15	ug/L		98
61)	Bromobenzene	11.47	156	45538	46.06	ug/L	#	71
62)	1,1,2,2-Tetrachloroethane	11.48	83	42251	36.21	ug/L		98
63)	1,2,3-Trichloropropane	11.51	75	47891	26.32	ug/L	#	1
64)	Isopropylbenzene	11.23	105	152732	47.91	ug/L		98
65)	n-Propylbenzene	11.56	91	185762	44.67	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1176	22.94	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	126332	46.65	ug/L		95
68)	4-Chlorotoluene	11.72	91	154641	48.61	ug/L		93
69)	1,3,5-Trimethylbenzene	11.71	105	129503	47.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	120185	45.89	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	137334	47.16	ug/L		88
72)	sec-Butylbenzene	12.13	105	141147	48.47	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	80529	45.82	ug/L		98
74)	4-Isopropyltoluene	12.24	119	131618	49.81	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	88712	45.54	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	83235	46.78	ug/L		96
77)	n-Butylbenzene	12.54	91	114336	46.37	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	7811	40.14	ug/L		94
79)	1,2,4-Trichlorobenzene	13.67	180	41920	47.97	ug/L		95
80)	Hexachlorobutadiene	13.78	225	18990	56.50	ug/L		98
81)	Naphthalene	13.84	128	119377	40.14	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	40043	47.89	ug/L		95

(#) = qualifier out of range (m) = manual integration
V1204095.D VW052704.M Thu Jun 24 13:17:18 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	96381	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	142724	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	102262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50685	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	46008	53.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 107.88%			
42) Toluene-d8	8.60	98	140799	51.78	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 103.56%			
59) 4-Bromofluorobenzene	11.35	95	45745	51.93	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.86%			

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.
3) Chloromethane	0.00	50	0	N.D.
4) Vinyl chloride	0.00	62	0	N.D.
5) Bromomethane	0.00	94	0	N.D.
6) Chloroethane	0.00	64	0	N.D.
7) Trichlorofluoromethane	0.00	101	0	N.D.
8) Acrolein	0.00	56	0	N.D.
9) 1,1-Dichloroethene	0.00	96	0	N.D.
10) Freon-113	0.00	101	0	N.D.
11) Acetone	0.00	58	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Methyl Acetate	0.00	43	0	N.D.
15) Vinyl acetate	0.00	43	0	N.D.
16) Methylene chloride	0.00	84	0	N.D.
17) Acrylonitrile	0.00	53	0	N.D.
18) Methyl tert-butyl ether	0.00	73	0	N.D.
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.
20) 1,1-Dichloroethane	0.00	63	0	N.D.
21) 2,2-Dichloropropane	0.00	77	0	N.D.
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.
23) 2-Butanone	0.00	72	0	N.D.
24) Bromochloromethane	0.00	128	0	N.D.
25) Chloroform	0.00	83	0	N.D.
26) Cyclohexane	0.00	56	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.
30) 1,1-Dichloropropene	0.00	110	0	N.D.
31) Carbon tetrachloride	0.00	119	0	N.D.
32) Benzene	0.00	78	0	N.D.
33) 1,2-Dichloroethane	0.00	62	0	N.D.
34) Trichloroethene	0.00	130	0	N.D.
35) Methylcyclohexane	0.00	55	0	N.D.
36) 1,2-Dichloropropane	0.00	63	0	N.D.
37) Dibromomethane	0.00	93	0	N.D.
38) Bromodichloromethane	0.00	83	0	N.D.
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.
43) Toluene	0.00	92	0	N.D.
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.
47) 2-Hexanone	0.00	43	0	N.D.
48) Tetrachloroethene	0.00	166	0	N.D.
49) 1,3-Dichloropropane	0.00	76	0	N.D.

(#) = qualifier out of range (m) = manual integration
V1204111.D VW052704.M Fri Jun 25 08:38:58 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

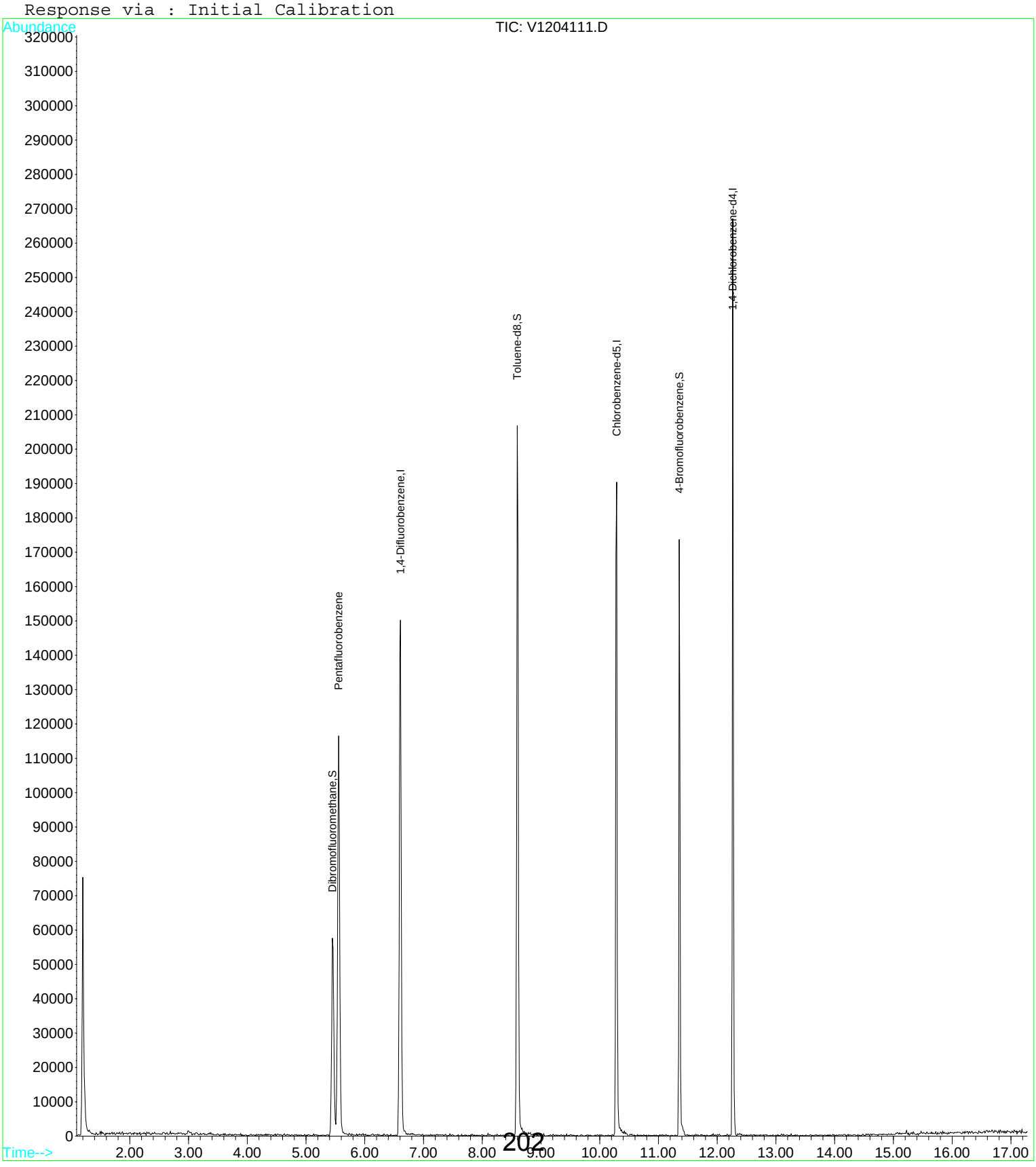
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	93806	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	141189	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	101594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50002	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	46423	55.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 110.04%			
42) Toluene-d8	8.60	98	140380	52.19	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 104.38%			
59) 4-Bromofluorobenzene	11.35	95	46899	53.59	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 107.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	33791	42.55	ug/L #	60
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	6.02	78	170010	46.32	ug/L	98
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	44274	54.31	ug/L	96
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.69	92	104147	53.70	ug/L	92
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

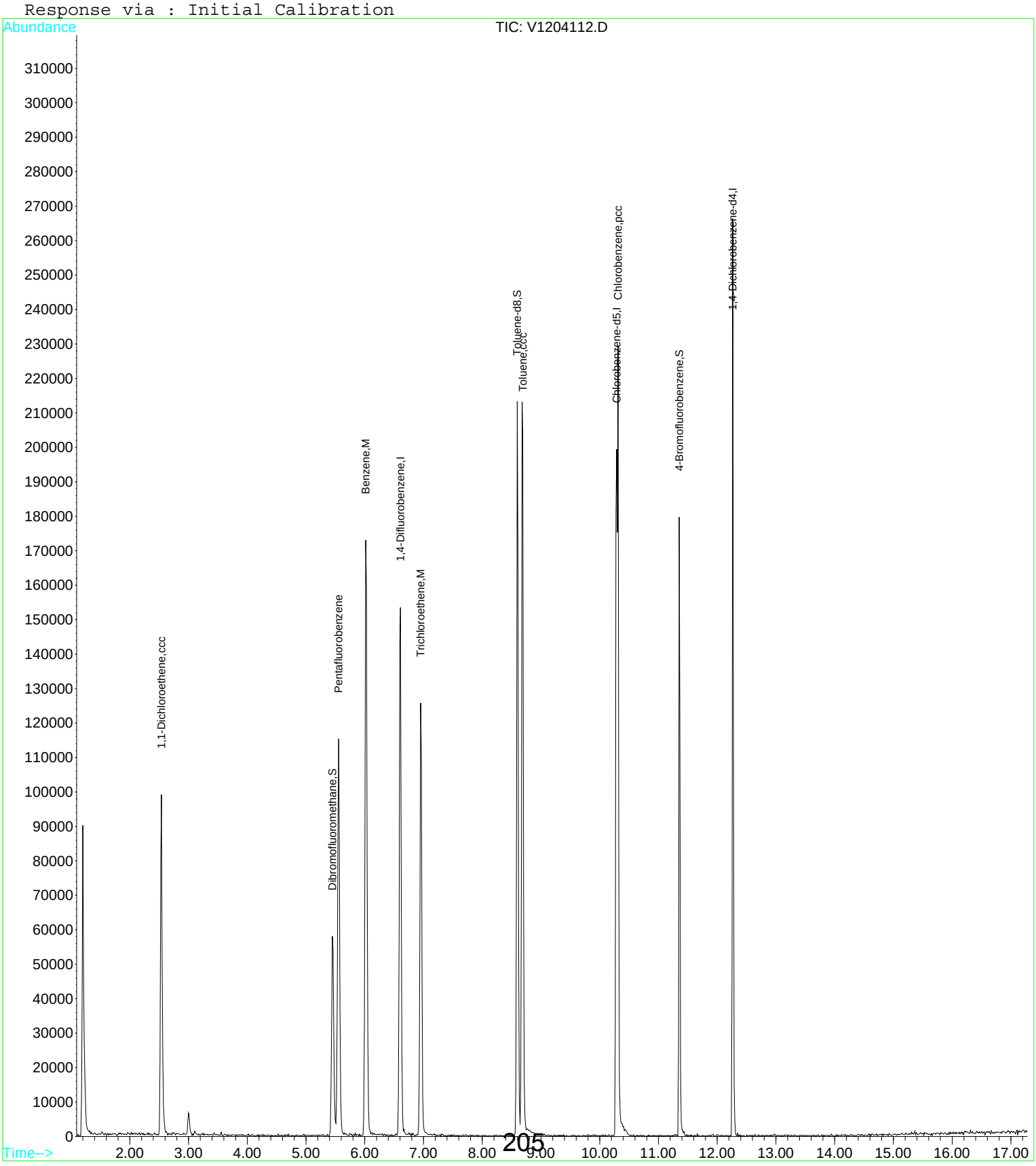
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	10.31	112	104166	50.38	ug/L	99
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204113.D Vial: 20
Acq On : 24 Jun 2004 6:43 pm Operator: TMP
Sample : 0406B33-003A *500 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:23 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	94659	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	140449	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	100951	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50314	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	45432	54.12	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.24%			
42) Toluene-d8	8.59	98	138322	51.69	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 103.38%			
59) 4-Bromofluorobenzene	11.35	95	45501	52.32	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 104.64%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D.	d	
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204113.D VW052704.M Fri Jun 25 08:39:24 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204113.D Vial: 20
Acq On : 24 Jun 2004 6:43 pm Operator: TMP
Sample : 0406B33-003A *500 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:23 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

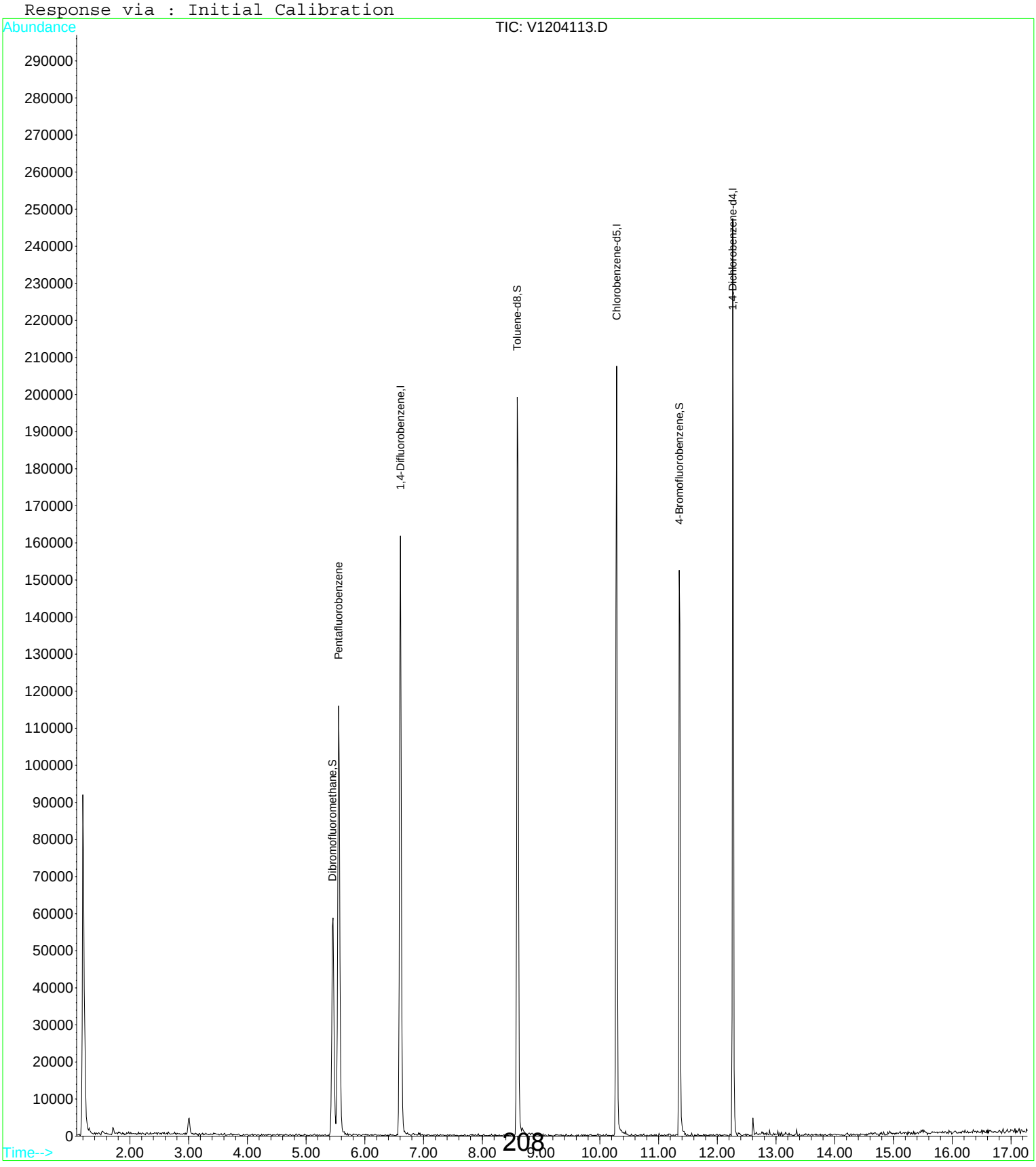
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204113.D Vial: 20
Acq On : 24 Jun 2004 6:43 pm Operator: TMP
Sample : 0406B33-003A *500 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:23 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204114.D Vial: 21
Acq On : 24 Jun 2004 7:08 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	96183	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	146022	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	103663	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50616	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	47091	53.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 107.92%			
42) Toluene-d8	8.60	98	143376	51.54	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 103.08%			
59) 4-Bromofluorobenzene	11.35	95	48749	54.59	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 109.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	37081	45.54	ug/L #	65
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.		
31) Carbon tetrachloride	0.00	119	0	N.D. d		
32) Benzene	6.02	78	177624	46.79	ug/L	100
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	44263	52.50	ug/L	92
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.69	92	105250	52.47	ug/L	97
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204114.D Vial: 21
Acq On : 24 Jun 2004 7:08 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2004 Quant Results File: VW052704.RES

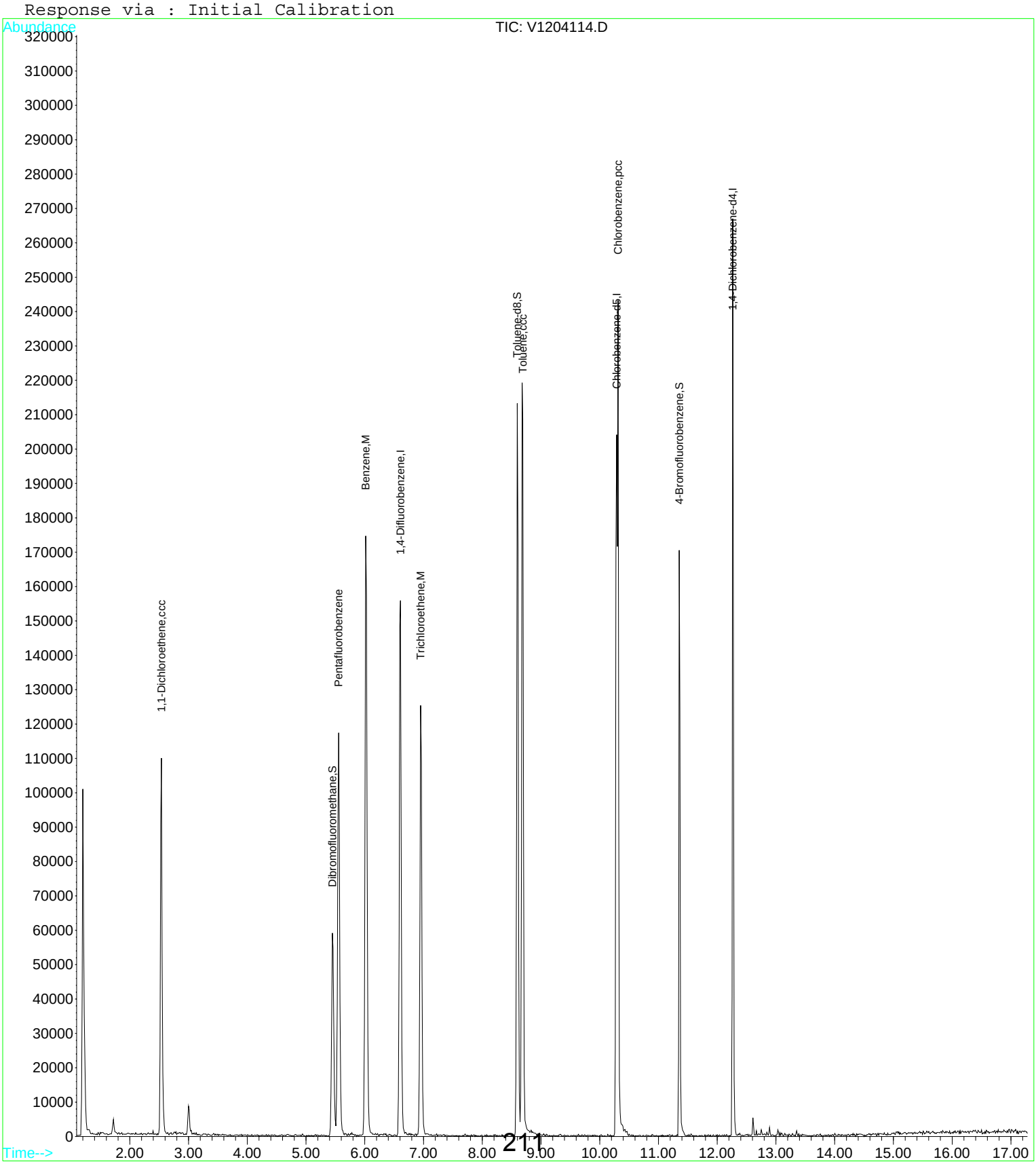
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.31	112	106357	50.42 ug/L	100
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204114.D Vial: 21
Acq On : 24 Jun 2004 7:08 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204115.D Vial: 21
Acq On : 24 Jun 2004 7:33 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MSD 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	96407	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	145487	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	102400	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	52778	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	47837	55.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 110.04%			
42) Toluene-d8	8.60	98	140818	50.80	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 101.60%			
59) 4-Bromofluorobenzene	11.35	95	47832	54.23	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 108.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	34349	42.08	ug/L #	59
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	6.02	78	178126	47.09	ug/L	99
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	43255	51.49	ug/L	92
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.69	92	105874	52.98	ug/L	93
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204115.D VW052704.M Fri Jun 25 08:39:49 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204115.D Vial: 21
Acq On : 24 Jun 2004 7:33 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MSD 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2004 Quant Results File: VW052704.RES

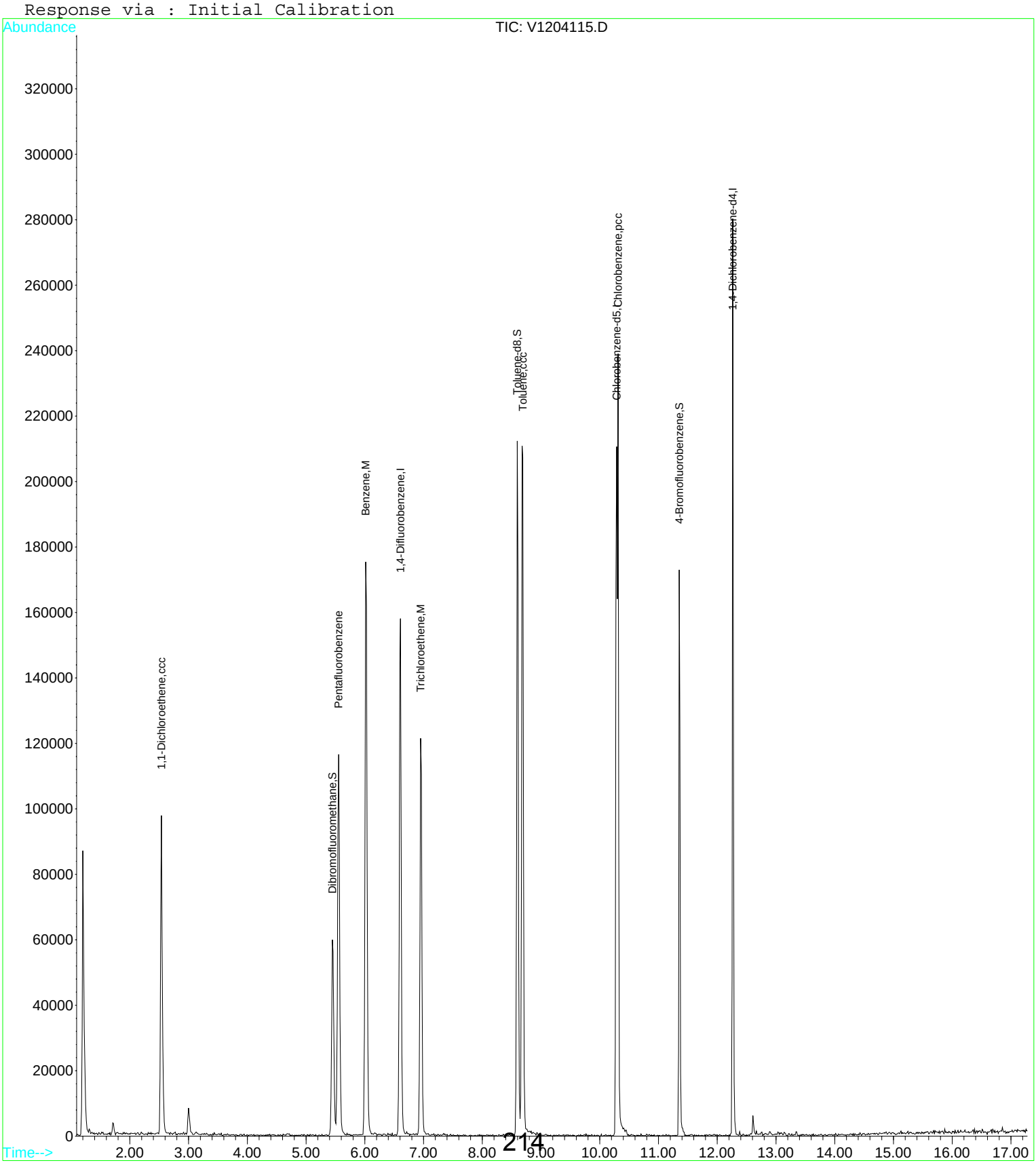
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.31	112	103286	49.56 ug/L	99
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204115.D Vial: 21
Acq On : 24 Jun 2004 7:33 pm Operator: TMP
Sample : 0406B33-003AMS *500 Inst : GC/MS 12
Misc : MSD 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Injection Log

Directory: C:\HPCHEM\1\DATA\062504

Line	Vial	FileName	Multiplier	SampleName			Misc Info	Injected
1	1	V1204130.D	1.	BLANK			BLANK	25 Jun 2004 08:09
2	2	V1204131.D	1.	BFB			TUNE BFB_4	25 Jun 2004 08:34
3	3	V1204132.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 08:59
4	4	V1204133.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 09:24
5	5	V1204134.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 09:49
6	6	V1204135.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 10:14
7	7	V1204136.D	1.	BFB			TUNE BFB_4	25 Jun 2004 10:39
8	8	V1204137.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 11:07
9	9	V1204138.D	1.	MB-47082			MBLK 8260B_W	25 Jun 2004 11:32
10	10	V1204139.D	1.	MB-47074			MBLK 8260_TCL4.2_X	25 Jun 2004 11:57
11	11	V1204140.D	1.	0406B33-003A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:22
12	12	V1204141.D	1.	0406C14-001A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:47
13	13	V1204142.D	1.	0406C14-007A	*5		SAMP 8260_TCL4.2_W	25 Jun 2004 13:12
14	14	V1204143.D	1.	0406C14-006A			SAMP 8260_TCL4.2_W	25 Jun 2004 13:37
15	15	V1204144.D	1.	0406B33-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:02
16	16	V1204145.D	1.	0406B33-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:26
17	17	V1204146.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:51
18	18	V1204147.D	1.	BLANK			BLANK	25 Jun 2004 15:16
19	19	V1204148.D	1.	0406B33-001A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 15:40
20	20	V1204149.D	1.	0406C14-006A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 16:05
21	21	V1204150.D	1.	0406B78-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:30
22	22	V1204151.D	1.	0406B78-003A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:55
23	23	V1204152.D	1.	0406B54-003A	*50	8.79g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:20
24	24	V1204153.D	1.	0406B54-007A	*50	7.29g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:45
25	25	V1204154.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 18:09
26	26	V1204155.D	1.	0406983-017A			SAMP 8260B_W	25 Jun 2004 18:34
27	27	V1204156.D	1.	BLANK			BLANK	25 Jun 2004 18:59
28	28	V1204157.D	1.	BLANK			BLANK	25 Jun 2004 19:24
29	29	V1204158.D	1.	BFB			TUNE BFB_4	25 Jun 2004 19:49
30	30	V1204159.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 20:14
31	31	V1204160.D	1.	MB-47125			MBLK 8260B_W	25 Jun 2004 20:39
32	32	V1204161.D	1.	LCS-47125			LCS 8260B_W	25 Jun 2004 21:04
33	33	V1204162.D	1.	0406B14-001A			SAMP 8260_A1_W	25 Jun 2004 21:29
34	34	V1204163.D	1.	0406B42-004A			SAMP 8260_A1_W	25 Jun 2004 21:53
35	35	V1204164.D	1.	0406B42-005A			SAMP 8260_A1_W	25 Jun 2004 22:18
36	36	V1204165.D	1.	0406B14-005A			SAMP 8260_A1_W	25 Jun 2004 22:43

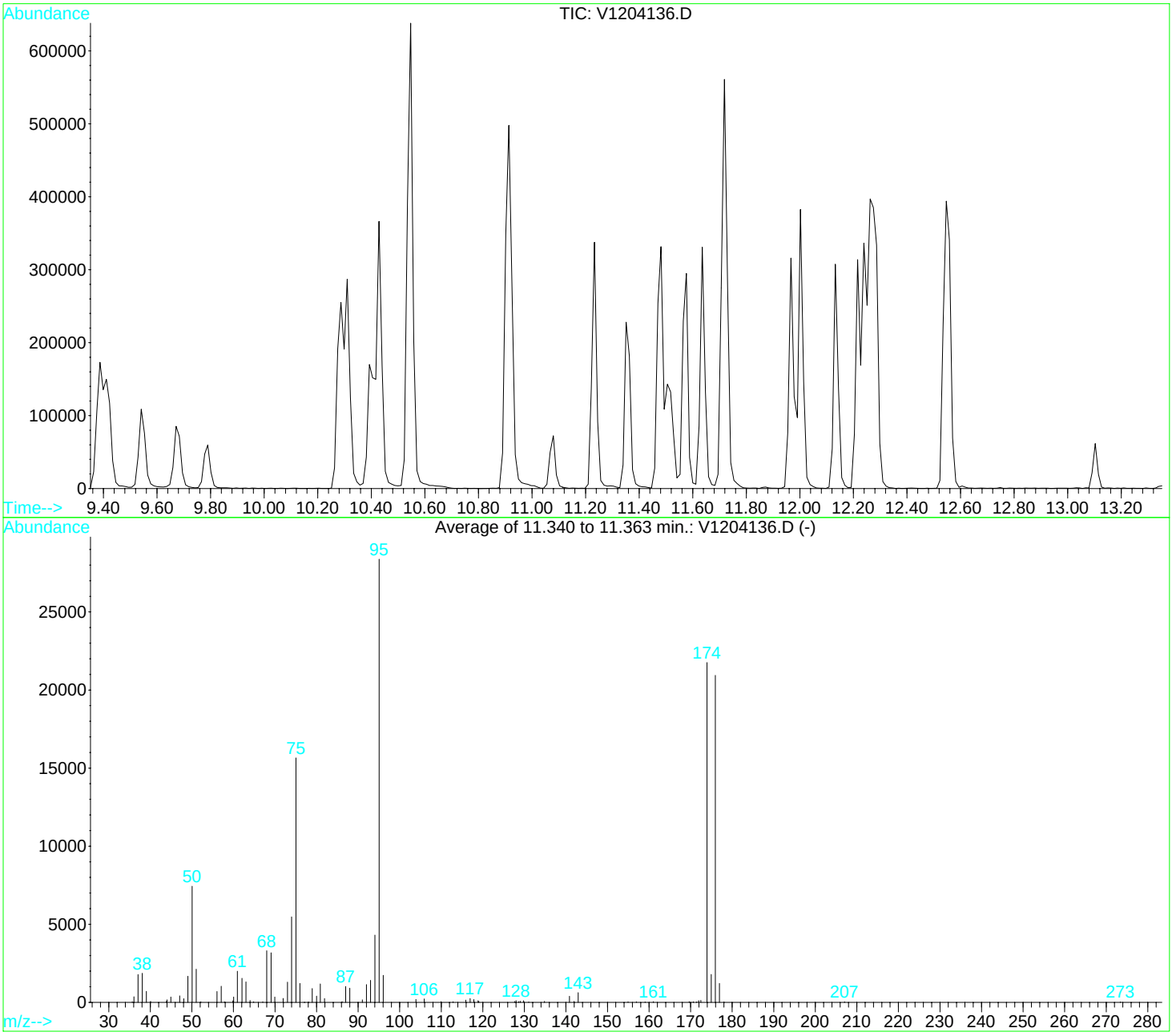
Injection Log

Directory: C:\HPCHEM\1\DATA\062504

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
37	37	V1204166.D	1.	0406B42-003A	SAMP 8260_A1_W	25 Jun 2004 23:07
38	38	V1204167.D	1.	0406B42-002A	SAMP 8260_A1_W	25 Jun 2004 23:32
39	39	V1204168.D	1.	0406B42-001A	SAMP 8260_A1_W	25 Jun 2004 23:57
40	40	V1204169.D	1.	0406B14-002A	SAMP 8260_A1_W	26 Jun 2004 00:22
41	41	V1204170.D	1.	0406B14-002AMS	MS 8260_A1_W	26 Jun 2004 00:47
42	41	V1204171.D	1.	0406B14-002AMSD	MSD 8260_A1_W	26 Jun 2004 01:12
43	42	V1204172.D	1.	0406B14-010A	SAMP 8260_A1_W	26 Jun 2004 01:36
44	43	V1204173.D	1.	0406B14-011A	SAMP 8260_A1_W	26 Jun 2004 02:01
45	44	V1204174.D	1.	0406B14-003A	SAMP 8260_A1_W	26 Jun 2004 02:26
46	45	V1204175.D	1.	0406B14-004A	SAMP 8260_A1_W	26 Jun 2004 02:51
47	46	V1204176.D	1.	0406B14-006A	SAMP 8260_A1_W	26 Jun 2004 03:15
48	47	V1204177.D	1.	0406B14-007A	SAMP 8260_A1_W	26 Jun 2004 03:40
49	48	V1204178.D	1.	0406B14-008A	SAMP 8260_A1_W	26 Jun 2004 04:05
50	49	V1204179.D	1.	0406B14-009A	SAMP 8260_A1_W	26 Jun 2004 04:29
51	50	V1204180.D	1.	0406B14-012A	SAMP 8260_TCL4.2_W	26 Jun 2004 04:54
52	51	V1204181.D	1.	0406B21-005A	SAMP 8260_TCL4.2_W	26 Jun 2004 05:19
53	1	V1204182.D	1.	0406B38-022A	SAMP 8260B_W	26 Jun 2004 05:44
54	2	V1204183.D	1.	0406B21-002A	SAMP 8260B_W	26 Jun 2004 06:09

BFB

Data File : C:\HPCHEM\1\DATA\062504\V1204136.D Vial: 7
Acq On : 25 Jun 2004 10:39 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.363 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	7439	PASS
75	95	30	60	55.2	15652	PASS
95	95	100	100	100.0	28378	PASS
96	95	5	9	6.1	1736	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.7	21759	PASS
175	174	5	9	8.2	1791	PASS
176	174	95	101	96.2	20941	PASS
177	176	5	9	5.8	1213	PASS

V1204136.D VW052704.M Fri Jun 25 12:43:07 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.368	0.469	-27.4	92	0.01
3	pcc	Chloromethane	0.530	0.447	15.7	65	0.00
4	ccc	Vinyl chloride	0.404	0.373	7.7	68	0.00
5	T	Bromomethane	0.186	0.187	-0.5	101	0.04
6	T	Chloroethane	0.258	0.212	17.8	83	0.01
7	T	Trichlorofluoromethane	0.675	0.923	-36.7#	104	0.01
8	T	Acrolein	0.064	0.022	65.6#	26#	0.00
9	ccc	1,1-Dichloroethene	0.423	0.381	9.9	70	0.01
10		Freon-113	0.327	0.325	0.6	79	0.01
11	T	Acetone	0.072	0.063	12.5	0#	0.00
12	T	Iodomethane	0.681	0.568	16.6	66	0.01
13	T	Carbon disulfide	1.384	0.945	31.7#	54	0.01
14		Methyl Acetate	0.885	0.424	52.1#	40#	0.00
15	T	Vinyl acetate	0.443	0.212	52.1#	40#	0.00
16	T	Methylene chloride	0.616	0.403	34.6#	63	0.00
17	T	Acrylonitrile	0.248	0.156	37.1#	49#	0.00
18		Methyl tert-butyl ether	1.415	1.203	15.0	66	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.410	18.8	63	0.01
20	pcc	1,1-Dichloroethane	1.070	0.876	18.1	67	0.01
21	T	2,2-Dichloropropane	0.413	0.522	-26.4	100	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.486	9.2	71	0.00
23	T	2-Butanone	0.074	0.065	12.2	67	0.00
24	T	Bromochloromethane	0.249	0.230	7.6	74	0.00
25	ccc	Chloroform	0.877	0.817	6.8	78	0.00
26		Cyclohexane	0.848	0.709	16.4	69	0.01
27	T	1,1,1-Trichloroethane	0.614	0.763	-24.3	96	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
29	S	Dibromofluoromethane	0.299	0.312	-4.3	80	0.00
30	T	1,1-Dichloropropene	0.138	0.146	-5.8	77	0.01
31	T	Carbon tetrachloride	0.313	0.453	-44.7#	104	0.00
32	M	Benzene	1.300	1.258	3.2	68	0.00
33	T	1,2-Dichloroethane	0.440	0.509	-15.7	85	0.00
34	M	Trichloroethene	0.289	0.316	-9.3	81	0.00
35		Methylcyclohexane	0.268	0.301	-12.3	78	0.00
36	ccc	1,2-Dichloropropane	0.340	0.302	11.2	63	0.00
37	T	Dibromomethane	0.179	0.187	-4.5	73	0.00
38	T	Bromodichloromethane	0.322	0.367	-14.0	82	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.240	17.2	55	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.409	-2.0	68	0.00
41	T	4-Methyl-2-pentanone	0.339	0.290	14.5	56	0.00
42	S	Toluene-d8	0.953	1.010	-6.0	75	0.00
43	ccc	Toluene	0.687	0.734	-6.8	73	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.368	-9.9	72	0.00
45	T	1,1,2-Trichloroethane	0.191	0.187	2.1	69	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
47	T	2-Hexanone	0.340	0.322	5.3	65	0.00
48	T	Tetrachloroethene	0.318	0.362	-13.8	86	0.00
49	T	1,3-Dichloropropane	0.594	0.559	5.9	71	0.00
50	T	Dibromochloromethane	0.309	0.339	-9.7	79	0.00
51	T	1,2-Dibromoethane	0.307	0.314	-2.3	75	0.00
52	pcc	Chlorobenzene	1.018	1.020	-0.2	78	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.357	-21.4	87	-0.01
54	ccc	Ethylbenzene	1.566	1.662	-6.1	76	0.00
55	T	m,p-Xylene	1.191	1.306	-9.7	78	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.317	-9.9	79	0.00
57	T	Styrene	1.009	1.012	-0.3	71	-0.01
58	pcc	Bromoform	0.211	0.242	-14.7	86	0.00
59	S	4-Bromofluorobenzene	0.431	0.503	-16.7	84	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
61	T	Bromobenzene	0.674	0.746	-10.7	82	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.689	13.4	65	0.00
63	T	1,2,3-Trichloropropane	1.241	0.798	35.7#	48#	-0.01
64	T	Isopropylbenzene	2.175	2.400	-10.3	81	0.00
65	T	n-Propylbenzene	2.837	2.943	-3.7	76	0.00
66	T	trans-1,4-Dichloro-2-butene	0.048	0.010	79.2#	14#	0.00
67	T	2-Chlorotoluene	1.847	1.899	-2.8	77	0.00
68	T	4-Chlorotoluene	2.170	2.262	-4.2	77	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.934	-4.3	79	0.00
70	T	tert-Butylbenzene	1.653	1.876	-13.5	83	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.077	-4.5	79	0.00
72	T	sec-Butylbenzene	1.987	2.098	-5.6	79	0.00
73	T	1,3-Dichlorobenzene	1.199	1.256	-4.8	78	0.00
74	T	4-Isopropyltoluene	1.803	1.968	-9.2	81	0.00
75	T	1,4-Dichlorobenzene	1.329	1.330	-0.1	80	0.00
76	T	1,2-Dichlorobenzene	1.214	1.256	-3.5	80	0.00
77	T	n-Butylbenzene	1.555	1.744	-12.2	83	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.152	-14.3	90	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.686	-15.1	86	0.00
80	T	Hexachlorobutadiene	0.229	0.298	-30.1#	102	0.00
81	T	Naphthalene	1.855	2.035	-9.7	76	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.646	-13.3	83	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	127671	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	178466	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	130442	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	75447	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	55757	52.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.54%				
42) Toluene-d8	8.60	98	180211	53.00	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 106.00%				
59) 4-Bromofluorobenzene	11.35	95	65561	58.35	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 116.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	59834	63.69	ug/L		98
3) Chloromethane	1.47	50	57051	42.16	ug/L		94
4) Vinyl chloride	1.57	62	47639	46.18	ug/L		96
5) Bromomethane	1.83	94	23813	58.44	ug/L		99
6) Chloroethane	1.90	64	27047	41.08	ug/L		98
7) Trichlorofluoromethane	2.10	101	117799	68.36	ug/L		98
8) Acrolein	2.43	56	5503	33.41	ug/L		95
9) 1,1-Dichloroethene	2.54	96	48663	45.02	ug/L	#	59
10) Freon-113	2.56	101	41538	49.71	µg/L	#	86
11) Acetone	2.57	58	16144	103.07	ug/L	#	1
12) Iodomethane	2.68	142	145032	83.42	ug/L	#	71
13) Carbon disulfide	2.75	76	241273	68.29	ug/L		100
14) Methyl Acetate	2.89	43	54193	23.98	µg/L	#	8
15) Vinyl acetate	2.89	43	54193	47.96	ug/L		92
16) Methylene chloride	3.00	84	51440	41.24	ug/L	#	68
17) Acrylonitrile	3.26	53	39771	62.78	ug/L		94
18) Methyl tert-butyl ether	3.32	73	153626	42.53	µg/L		96
19) trans-1,2-Dichloroethene	3.32	96	52318	40.57	ug/L		87
20) 1,1-Dichloroethane	3.84	63	111794	40.90	ug/L		98
21) 2,2-Dichloropropane	4.70	77	66621	63.15	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	61992	45.41	ug/L		90
23) 2-Butanone	4.74	72	16678	88.01	ug/L		54
24) Bromochloromethane	5.07	128	29417	46.33	ug/L	#	78
25) Chloroform	5.21	83	104295	46.55	ug/L		97
26) Cyclohexane	5.57	56	90513	41.81	µg/L		89
27) 1,1,1-Trichloroethane	5.47	97	97402	62.09	ug/L		97
30) 1,1-Dichloropropene	5.73	110	26048	53.03	ug/L		93
31) Carbon tetrachloride	5.72	119	80777	72.38	ug/L		99
32) Benzene	6.02	78	224596	48.41	ug/L		99
33) 1,2-Dichloroethane	6.05	62	90859	57.81	ug/L		97
34) Trichloroethene	6.95	130	56389	54.72	ug/L		93
35) Methylcyclohexane	7.21	55	53653	56.11	µg/L		94
36) 1,2-Dichloropropane	7.25	63	53822	44.41	ug/L	#	100
37) Dibromomethane	7.41	93	33415	52.18	ug/L		91
38) Bromodichloromethane	7.65	83	65585	57.00	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	85715	82.77	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	73006	51.04	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	103504	85.62	ug/L		91
43) Toluene	8.68	92	131075	53.47	ug/L		95
44) trans-1,3-Dichloropropene	9.00	75	65734	49.71	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	33448	49.09	ug/L		96
47) 2-Hexanone	9.54	43	83945	94.67	ug/L		88
48) Tetrachloroethene	9.39	166	47179	56.95	ug/L		91
49) 1,3-Dichloropropane	9.41	76	72865	47.04	ug/L		100

(#) = qualifier out of range (m) = manual integration
V1204137.D VW052704.M Fri Jun 25 12:43:30 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

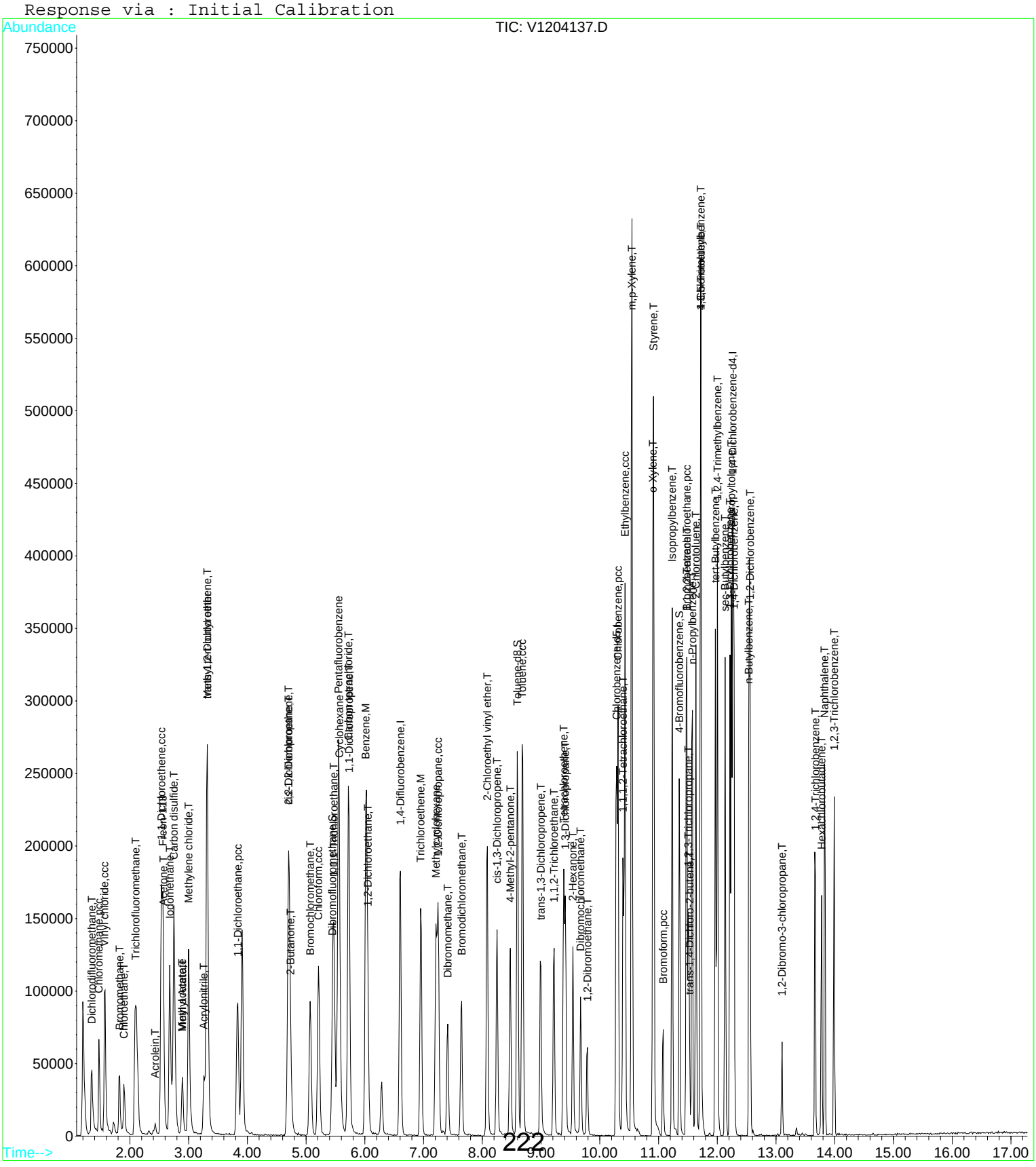
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	44185	54.74	ug/L		96
51)	1,2-Dibromoethane	9.79	107	40909	51.12	ug/L	#	99
52)	Chlorobenzene	10.31	112	133108	50.14	ug/L		99
53)	1,1,1,2-Tetrachloroethane	10.39	131	46512	60.74	ug/L		95
54)	Ethylbenzene	10.43	91	216785	53.06	ug/L		98
55)	m,p-Xylene	10.55	91	340812	109.71	ug/L		93
56)	o-Xylene	10.90	91	171835	54.99	ug/L		92
57)	Styrene	10.91	104	132033	50.17	ug/L		91
58)	Bromoform	11.08	173	31611	57.56	ug/L		95
61)	Bromobenzene	11.48	156	56248	55.28	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	51951	43.26	ug/L		97
63)	1,2,3-Trichloropropane	11.51	75	60182	32.13	ug/L	#	1
64)	Isopropylbenzene	11.23	105	181099	55.19	ug/L		99
65)	n-Propylbenzene	11.58	91	222069	51.88	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1514	26.35	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	143244	51.38	ug/L		95
68)	4-Chlorotoluene	11.72	91	170689	52.12	ug/L		96
69)	1,3,5-Trimethylbenzene	11.72	105	145924	52.16	ug/L		100
70)	tert-Butylbenzene	11.97	119	141521	51.99	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	156669	52.26	ug/L		90
72)	sec-Butylbenzene	12.13	105	158262	52.80	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	94735	52.36	ug/L		96
74)	4-Isopropyltoluene	12.24	119	148444	54.58	ug/L		96
75)	1,4-Dichlorobenzene	12.29	146	100334	50.04	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	94748	51.74	ug/L		97
77)	n-Butylbenzene	12.54	91	131615	51.53	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	11431	57.07	ug/L		80
79)	1,2,4-Trichlorobenzene	13.67	180	51743	57.53	ug/L		100
80)	Hexachlorobutadiene	13.78	225	22469	64.94	ug/L		99
81)	Naphthalene	13.83	128	153529	49.29	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	48733	56.62	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	114164	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	168387	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	108681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54772	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.46	113	53065	52.73	ug/L	0.01
Spiked Amount 50.000	Range 70 - 126		Recovery = 105.46%			
42) Toluene-d8	8.60	98	154503	48.16	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 96.32%			
59) 4-Bromofluorobenzene	11.35	95	48874	52.21	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 104.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.	d	
15) Vinyl acetate	0.00	43	0	N.D.	d	
16) Methylene chloride	0.00	84	0	N.D.		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.		
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204139.D VW052704.M Fri Jun 25 12:44:10 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

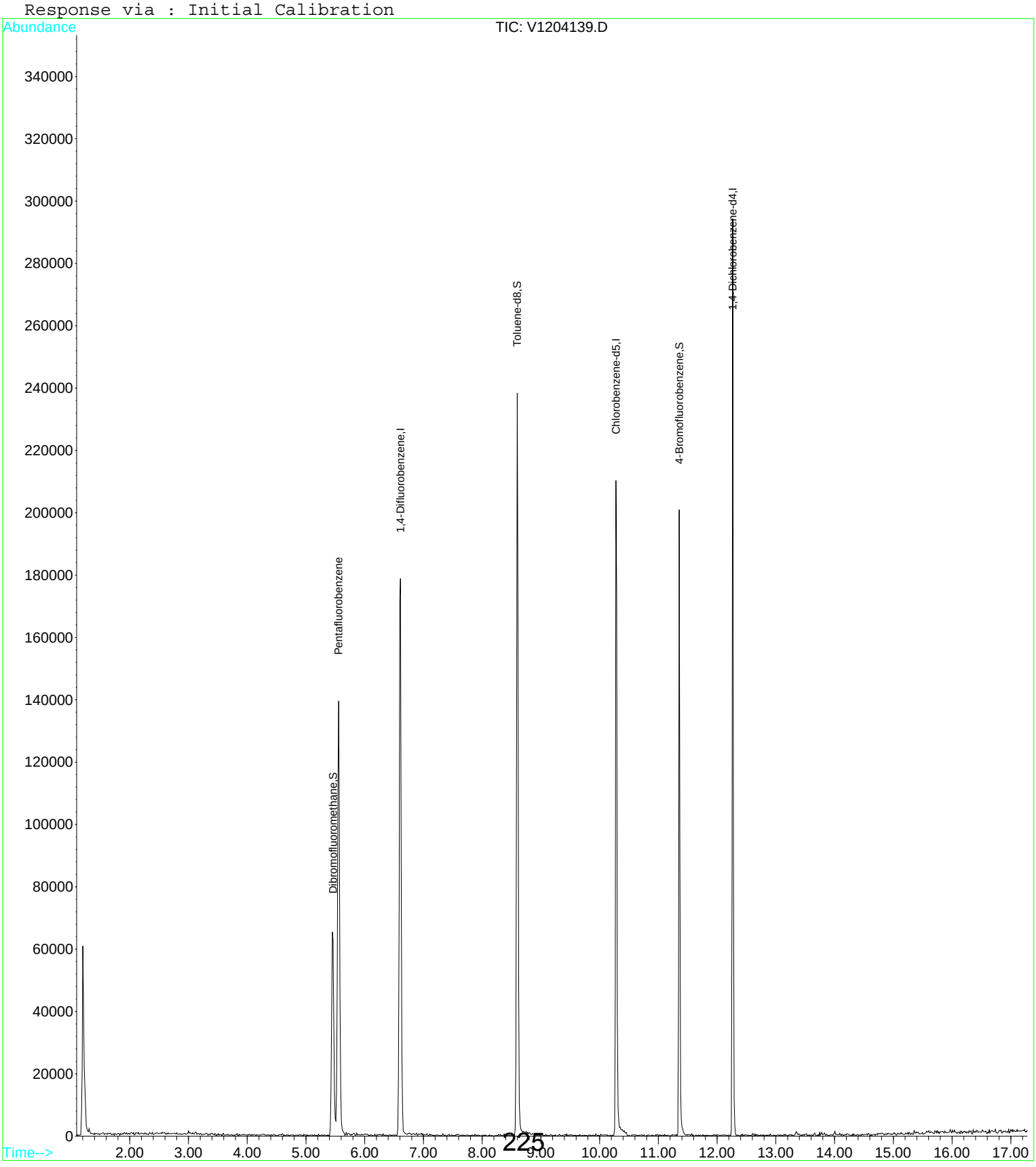
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	116893	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	169044	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	118082	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	60288	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	53641	53.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 106.18%			
42) Toluene-d8	8.60	98	163304	50.71	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 101.42%			
59) 4-Bromofluorobenzene	11.35	95	50837	49.98	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 99.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	2.76	76	1293	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.	d	
15) Vinyl acetate	0.00	43	0	N.D.	d	
16) Methylene chloride	0.00	84	0	N.D.	d	
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration
V1204140.D VW052704.M Fri Jun 25 12:44:24 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

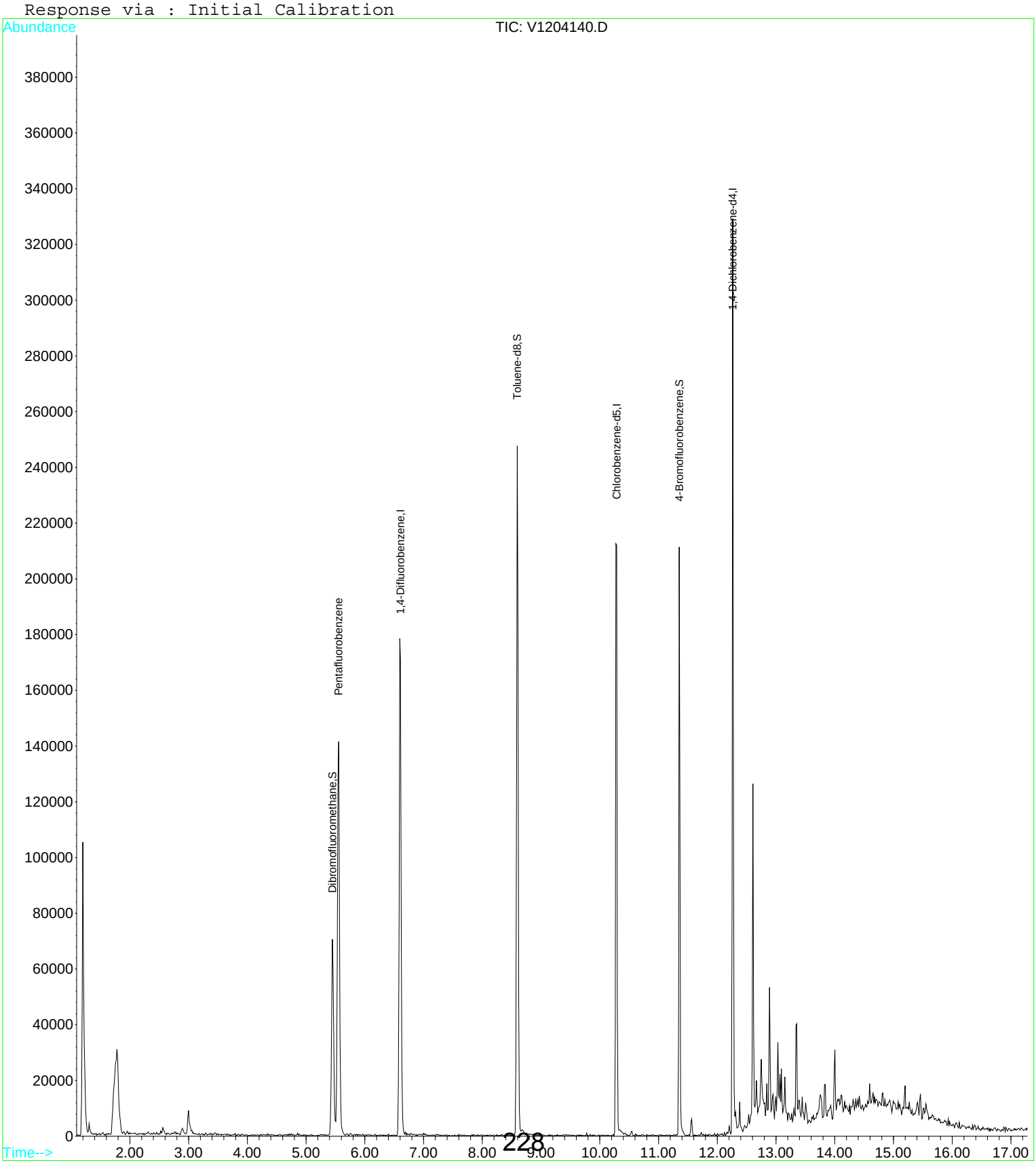
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50) Dibromochloromethane	0.00	129	0	N.D.	
51) 1,2-Dibromoethane	0.00	107	0	N.D.	
52) Chlorobenzene	0.00	112	0	N.D.	
53) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54) Ethylbenzene	10.54	91	1187	N.D.	
55) m,p-Xylene	10.54	91	1187	N.D.	
56) o-Xylene	10.54	91	1187	N.D.	
57) Styrene	0.00	104	0	N.D.	
58) Bromoform	0.00	173	0	N.D.	
61) Bromobenzene	0.00	156	0	N.D.	
62) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63) 1,2,3-Trichloropropane	0.00	75	0	N.D.	d
64) Isopropylbenzene	0.00	105	0	N.D.	
65) n-Propylbenzene	0.00	91	0	N.D.	
66) trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67) 2-Chlorotoluene	0.00	91	0	N.D.	
68) 4-Chlorotoluene	0.00	91	0	N.D.	
69) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70) tert-Butylbenzene	0.00	119	0	N.D.	
71) 1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72) sec-Butylbenzene	0.00	105	0	N.D.	
73) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
74) 4-Isopropyltoluene	0.00	119	0	N.D.	
75) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
76) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
77) n-Butylbenzene	0.00	91	0	N.D.	
78) 1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	d
79) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80) Hexachlorobutadiene	0.00	225	0	N.D.	
81) Naphthalene	0.00	128	0	N.D.	d
82) 1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:42 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.200	6	10	17	rBV	105299	206167	44.51%	5.534%
2	1.306	17	19	25	rVB2	3889	6469	1.40%	0.174%
3	1.780	50	59	67	rBV5	30515	158147	34.14%	4.245%
4	2.560	123	125	130	rVB	2525	5271	1.14%	0.141%
5	2.892	150	153	158	rBV2	2368	6542	1.41%	0.176%
6	2.998	158	162	170	rVV	8526	21404	4.62%	0.575%
7	5.448	364	369	374	rBV	70245	177856	38.40%	4.774%
8	5.554	374	378	387	rVB	141258	352085	76.01%	9.451%
9	6.595	462	466	473	rBV	178288	400710	86.51%	10.756%
10	8.595	631	635	640	rBV	247453	463183	100.00%	12.433%
11	8.678	640	642	647	rVB3	1797	5077	1.10%	0.136%
12	10.275	774	777	781	rBV	212502	365562	78.92%	9.812%
13	10.335	781	782	788	rVB3	1664	5099	1.10%	0.137%
14	11.352	865	868	871	rBV	211022	272058	58.74%	7.303%
15	11.565	883	886	889	rVB	6072	10291	2.22%	0.276%
16	12.263	942	945	948	rBV	328454	389236	84.04%	10.448%
17	12.311	948	949	951	rVV2	7485	9458	2.04%	0.254%
18	12.382	951	955	959	rVB2	10934	16578	3.58%	0.445%
19	12.465	959	962	965	rBV2	2177	5862	1.27%	0.157%
20	12.536	965	968	969	rVV2	5749	8763	1.89%	0.235%
21	12.607	969	974	977	rVV	124074	153687	33.18%	4.125%
22	12.666	977	979	981	rVV2	17138	30291	6.54%	0.813%
23	12.749	983	986	992	rVV2	24349	73600	15.89%	1.976%
24	12.843	992	994	995	rVV	15134	19896	4.30%	0.534%
25	12.890	995	998	1000	rVV	49518	72878	15.73%	1.956%
26	12.950	1000	1003	1005	rVV3	10835	23847	5.15%	0.640%
27	12.997	1005	1007	1008	rVV2	9739	15543	3.36%	0.417%
28	13.033	1008	1010	1012	rVV	29099	43358	9.36%	1.164%
29	13.068	1012	1013	1014	rVV	17486	17840	3.85%	0.479%
30	13.092	1014	1015	1017	rVV	19320	21388	4.62%	0.574%
31	13.151	1017	1020	1022	rVV2	16124	25390	5.48%	0.682%
32	13.210	1024	1025	1028	rVV3	2785	4939	1.07%	0.133%
33	13.305	1031	1033	1035	rBV2	4433	7106	1.53%	0.191%
34	13.352	1035	1037	1039	rVV	34144	53154	11.48%	1.427%
35	13.387	1039	1040	1043	rVV2	6652	11310	2.44%	0.304%
36	13.447	1043	1045	1048	rVB3	8381	11853	2.56%	0.318%
37	13.506	1048	1050	1053	rVB3	7463	13303	2.87%	0.357%
38	13.636	1057	1061	1062	rBV4	2626	5190	1.12%	0.139%
39	13.754	1064	1071	1075	rBV6	8473	28271	6.10%	0.759%
40	13.837	1075	1078	1081	rBV4	11846	19862	4.29%	0.533%
41	13.932	1081	1086	1088	rVB5	4971	15169	3.27%	0.407%
42	14.003	1088	1092	1094	rBV	24878	40165	8.67%	1.078%
43	14.074	1094	1098	1099	rVV4	4033	11280	2.44%	0.303%
44	14.109	1099	1101	1104	rVB4	5934	11344	2.45%	0.304%
45	14.310	1116	1118	1120	rVV2	4951	8662	1.87%	0.233%

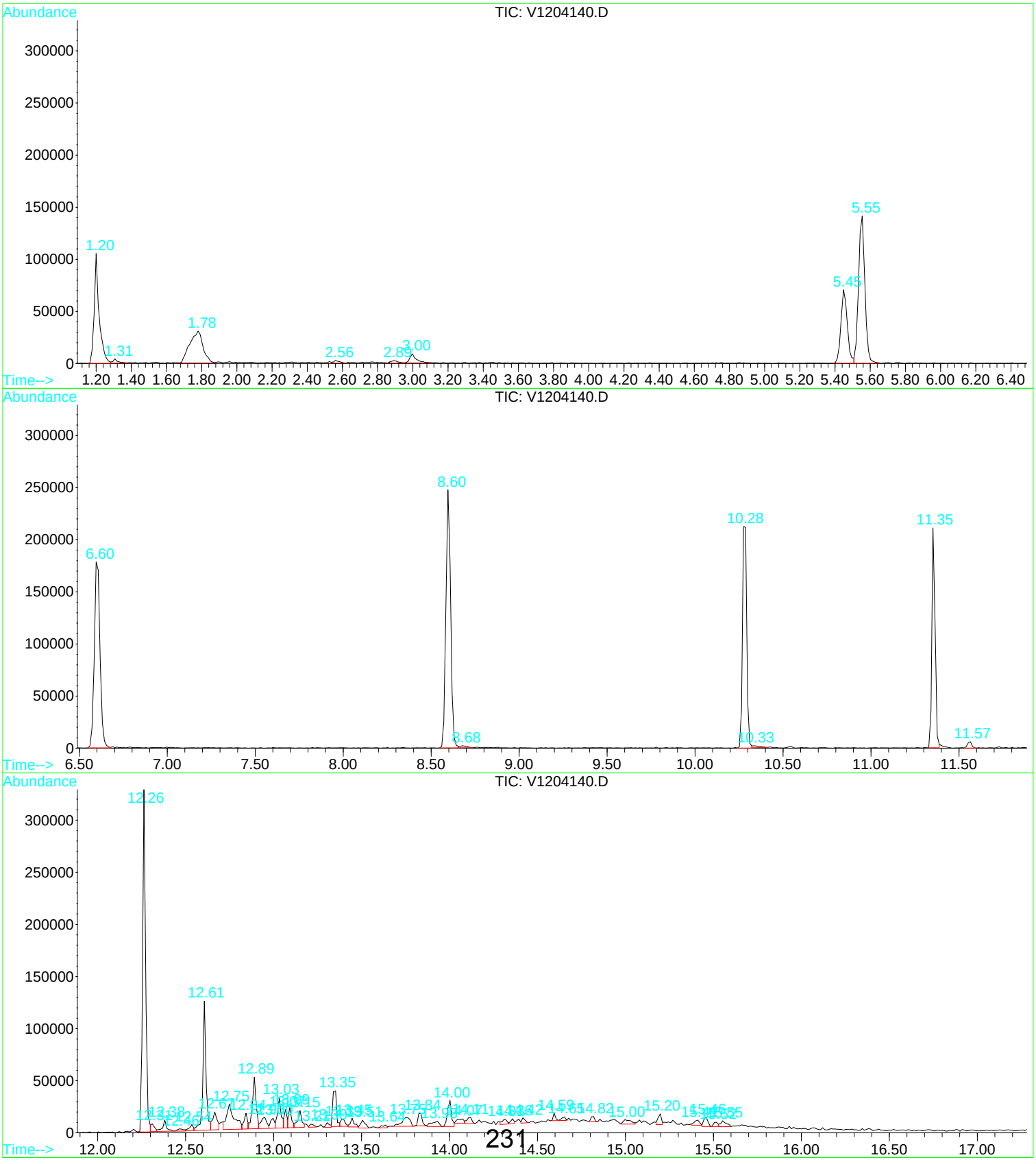
46	14.358	1120	1122	1123	rVV2	4837	6124	1.32%	0.164%
47	14.417	1126	1127	1130	rVB3	4776	6120	1.32%	0.164%
48	14.594	1140	1142	1144	rBV3	7107	6736	1.45%	0.181%
49	14.654	1144	1147	1148	rVV3	3458	5013	1.08%	0.135%
50	14.819	1159	1161	1163	rVB3	4711	6607	1.43%	0.177%
51	14.997	1174	1176	1181	rBV5	4163	13163	2.84%	0.353%
52	15.198	1191	1193	1194	rVV2	10240	13545	2.92%	0.364%
53	15.411	1208	1211	1213	rVB3	4772	9554	2.06%	0.256%
54	15.458	1213	1215	1217	rVB3	8968	14310	3.09%	0.384%
55	15.517	1217	1220	1221	rBV3	3977	7344	1.59%	0.197%
56	15.553	1221	1223	1227	rVB5	5514	11815	2.55%	0.317%

Sum of corrected areas: 3725475

V1204140.D VW052704.M Thu Jul 15 15:02:15 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204140.D
Operator : TMP
Acquired : 25 Jun 2004 12:22 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406B33-003A *50
Misc Info : SAMP 8260_TCL4.2_X
Vial Number: 11
Quant File :VW052704.RES (RTE Integrator)



V1204140.D VW052704.M Thu Jul 15 15:02:15 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50X DILUTION Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	29.28 ug/L	206167	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 Diethylpropion Hydrochloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.78	22.46 ug/L	158147	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylpropion Hydrochloride	205	C13H19NO	000134-80-5	25
2	Propane, 1,2,2,3-tetrachloro-	180	C3H4Cl4	013116-53-5	17
3	Ethene, (2-chloroethoxy)-	106	C4H7ClO	000110-75-8	12
4	Carbonochloridic acid, 4-nitropheny	201	C7H4ClNO4	007693-46-1	10
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	9

****

Peak Number 3 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	19.74 ug/L	153687	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Undecane	156	C11H24	001120-21-4	87
4	Undecane	156	C11H24	001120-21-4	83
5	Undecane	156	C11H24	001120-21-4	80

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204140.D Vial: 11
Acq On : 25 Jun 2004 12:22 pm Operator: TMP
Sample : 0406B33-003A *50X DILUTION Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Cyclohexane, 1-ethyl-2-methyl-, cis Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	9.45 ug/L	73600	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, cis	126	C9H18	004923-77-7	49
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	47
3	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	47
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	47
5	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	43

****

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 12:22 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204140.D
Name: 0406B33-003A *50 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	29.3	ug/L	206167	ISTD01	5.55	352085	50.0
Diethylpropion Hydrochloride	1.78	22.5	ug/L	158147	ISTD01	5.55	352085	50.0
Undecane	12.61	19.7	ug/L	153687	ISTD04	12.26	389236	50.0
Cyclohexane, 1-ethyl-2-methyl-, cis	12.75	9.5	ug/L	73600	ISTD04	12.26	389236	50.0

V1204140.D VW052704.M Thu Jul 15 15:02:18 2004

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/23/2004 5:30:00 P**
Prep End Date: **6/24/2004 10:30:00**

Prep Batch **47036** Prep Code: **3520_BNA** Technician: **Zafer Sarihan**

Prep Factor Units: **mL / L**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B07-001C	Groundwater		0.5	0	0	0.5	1.000	6/23/2004	6/24/2004
0406B07-001CMS	Groundwater		0.5	0	0	0.5	1.000	6/23/2004	6/24/2004
0406B07-001CMSD	Groundwater		0.5	0	0	0.5	1.000	6/23/2004	6/24/2004
0406B07-002C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-003C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-004C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-005C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-006C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-007C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-008C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-009C	Groundwater		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B07-010C	Aqueous		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B33-001B	Aqueous		1	0	0	1	1.000	6/23/2004	6/24/2004
0406B33-002B	Aqueous		1	0	0	1	1.000	6/23/2004	6/24/2004
LCS-47036			1	0	0	1	1.000	6/23/2004	6/24/2004
MB-47036			1	0	0	1	1.000	6/23/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47036

Sample ID: **MB-47036**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/23/2004**	RunNo: **52577**
Client ID:	Batch ID: **47036**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1008900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3´-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47036

Sample ID: **MB-47036**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/23/2004**	RunNo: **52577**
Client ID:	Batch ID: **47036**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1008900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47036

Sample ID: **MB-47036** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/23/2004** RunNo: **52577**
Client ID: Batch ID: **47036** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1008900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	96.34	0	100	0	96.3	47	146	0	0		
Surr: 2-Fluorobiphenyl	40.86	0	50	0	81.7	37	135	0	0		
Surr: 2-Fluorophenol	85.93	0	100	0	85.9	23.9	109	0	0		
Surr: 4-Terphenyl-d14	44.98	0	50	0	90	21.9	145	0	0		
Surr: Nitrobenzene-d5	40.74	0	50	0	81.5	32.3	136	0	0		
Surr: Phenol-d5	83.13	0	100	0	83.1	10	109	0	0		

Sample ID: **LCS-47036** SampType: **LCS** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/23/2004** RunNo: **52577**
Client ID: Batch ID: **47036** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1008901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	90.09	10	100	0	90.1	53.1	128	0	0		
2-Chlorophenol	75.46	10	100	0	75.5	51.1	120	0	0		
4-Chloro-3-methylphenol	89.28	10	100	0	89.3	54.6	131	0	0		
4-Nitrophenol	76.25	25	100	0	76.2	10	122	0	0		
Acenaphthene	80.64	10	100	0	80.6	57	120	0	0		
N-Nitrosodi-n-propylamine	79.38	10	100	0	79.4	52.6	122	0	0		
Pentachlorophenol	49.43	25	100	0	49.4	32.9	140	0	0		
Phenol	58.93	10	100	0	58.9	11.2	120	0	0		
Pyrene	86.07	10	100	0	86.1	62.4	127	0	0		
Surr: 2,4,6-Tribromophenol	86.33	0	100	0	86.3	47	146	0	0		
Surr: 2-Fluorobiphenyl	40.25	0	50	0	80.5	37	135	0	0		
Surr: 2-Fluorophenol	70.58	0	100	0	70.6	23.9	109	0	0		
Surr: 4-Terphenyl-d14	44.19	0	50	0	88.4	21.9	145	0	0		
Surr: Nitrobenzene-d5	38.93	0	50	0	77.9	32.3	136	0	0		
Surr: Phenol-d5	64.74	0	100	0	64.7	10	109	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47036

Sample ID: **0406B07-001CMS**	SampType: **MS**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/23/2004**	RunNo: **52577**
Client ID:	Batch ID: **47036**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1010459**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	84.05	10	100	0	84	50.6	130	0	0		
2-Chlorophenol	74.5	10	100	0	74.5	32.9	132	0	0		
4-Chloro-3-methylphenol	82.8	10	100	0	82.8	48.1	142	0	0		
4-Nitrophenol	83.44	25	100	0	83.4	10	135	0	0		
Acenaphthene	31.81	10	100	0	31.8	47.9	127	0	0		S
N-Nitrosodi-n-propylamine	75.57	10	100	0	75.6	33.2	128	0	0		
Pentachlorophenol	50.86	25	100	0	50.9	31.4	152	0	0		
Phenol	45.83	10	100	0	45.8	11.2	120	0	0		
Pyrene	BRL	10	100	0	5.2	55.7	129	0	0		S
Surr: 2,4,6-Tribromophenol	85.77	0	100	0	85.8	47	146	0	0		
Surr: 2-Fluorobiphenyl	39.69	0	50	0	79.4	37	135	0	0		
Surr: 2-Fluorophenol	71.61	0	100	0	71.6	23.9	109	0	0		
Surr: 4-Terphenyl-d14	16.53	0	50	0	33.1	21.9	145	0	0		
Surr: Nitrobenzene-d5	38.72	0	50	0	77.4	32.3	136	0	0		
Surr: Phenol-d5	4.46	0	100	0	4.46	10	109	0	0		S

Sample ID: **0406B07-001CMSD**	SampType: **MSD**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/23/2004**	RunNo: **52577**
Client ID:	Batch ID: **47036**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1010461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	95.77	10	100	0	95.8	50.6	130	84.05	13.0	16.4	
2-Chlorophenol	84.5	10	100	0	84.5	32.9	132	74.5	12.6	25.4	
4-Chloro-3-methylphenol	95.62	10	100	0	95.6	48.1	142	82.8	14.4	19.1	
4-Nitrophenol	97.92	25	100	0	97.9	10	135	83.44	16.0	28.3	
Acenaphthene	89.6	10	100	0	89.6	47.9	127	31.81	95.2	19.6	R
N-Nitrosodi-n-propylamine	89.22	10	100	0	89.2	33.2	128	75.57	16.6	23.3	
Pentachlorophenol	45.25	25	100	0	45.2	31.4	152	50.86	11.7	17.7	
Phenol	74.86	10	100	0	74.9	11.2	120	45.83	48.1	29.5	R
Pyrene	85.32	10	100	0	85.3	55.7	129	5.2	177	18.5	R
Surr: 2,4,6-Tribromophenol	88.14	0	100	0	88.1	47	146	85.77	0	0	
Surr: 2-Fluorobiphenyl	43.25	0	50	0	86.5	37	135	39.69	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47036

Sample ID: **0406B07-001CMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/23/2004** RunNo: **52577**
Client ID: Batch ID: **47036** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	83.11	0	100	0	83.1	23.9	109	71.61	0	0	
Surr: 4-Terphenyl-d14	41.06	0	50	0	82.1	21.9	145	16.53	0	0	
Surr: Nitrobenzene-d5	43.31	0	50	0	86.6	32.3	136	38.72	0	0	
Surr: Phenol-d5	81.29	0	100	0	81.3	10	109	4.46	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: C:\HPCHEM\1\DATA\R40524

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
1	1	R4052401.D	1.	DFTPP		TUNE DFTPP_4	24 May 2004 09:30
2	1	R4052402.D	1.	DFTPP		TUNE DFTPP_4	24 May 2004 10:08
3	2	R4052403.D	1.	BNA20	2253	CCV 8270_TCL4.2_W	24 May 2004 10:46
4	3	R4052404.D	1.	BNA40	2253	CCV 8270_TCL4.2_W	24 May 2004 11:24
5	4	R4052405.D	1.	mbseq		MBLK 8270_TCL4.2_W	24 May 2004 12:04
6	1	R4052406.D	1.	DFTPP		TUNE DFTPP_4	24 May 2004 13:34
7	1	R4052407.D	1.	DFTPP		TUNE DFTPP_4	24 May 2004 14:12
8	1	R4052408.D	1.	DFTPP		TUNE DFTPP_4	24 May 2004 14:49
9	2	R4052409.D	1.	BNA10	2271	ICAL 8270_TCL4.2_W	24 May 2004 15:27
10	3	R4052410.D	1.	BNA20	2271	ICAL 8270_TCL4.2_W	24 May 2004 16:04
11	4	R4052411.D	1.	BNA40	2271	ICAL 8270_TCL4.2_W	24 May 2004 16:41
12	5	R4052412.D	1.	BNA60	2271	ICAL 8270_TCL4.2_W	24 May 2004 17:19
13	6	R4052413.D	1.	BNA80	2271	ICAL 8270_TCL4.2_W	24 May 2004 17:57
14	7	R4052414.D	1.	BNA120	2271	ICAL 8270_TCL4.2_W	24 May 2004 18:34
15	8	R4052415.D	1.	BNA160	2271	ICAL 8270_TCL4.2_W	24 May 2004 19:11
16	9	R4052416.D	1.	BNA40	2270	ICV 8270_TCL4.2_W	24 May 2004 19:49
17	10	R4052417.D	1.	BNA120	2238	ICV 8270_TCL4.2_W	24 May 2004 20:27

Calibration Status Report GC/MS 10

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	10	10	40	C:\HPCHEM\1\DATA\R40524\R4052409.D
2	40	40	40	C:\HPCHEM\1\DATA\R40524\R4052411.D
3	60	60	40	C:\HPCHEM\1\DATA\R40524\R4052412.D
4	80	80	40	C:\HPCHEM\1\DATA\R40524\R4052413.D
5	120	120	40	C:\HPCHEM\1\DATA\R40524\R4052414.D
6	160	160	40	C:\HPCHEM\1\DATA\R40524\R4052415.D
7	20	20	40	C:\HPCHEM\1\DATA\R40524\R4052410.D

#	ID	Update Time	Quant Time	Acquisition Time
1	10	May 25 09:12 2004	May 25 09:04 19104	24 May 2004 3:27 pm
2	40	May 25 09:11 2004	May 25 09:07 19104	24 May 2004 4:41 pm
3	60	May 25 09:11 2004	May 25 09:08 19104	24 May 2004 5:19 pm
4	80	May 25 09:11 2004	May 25 09:09 19104	24 May 2004 5:57 pm
5	120	May 25 09:24 2004	May 25 09:24 19104	24 May 2004 6:34 pm
6	160	May 25 09:29 2004	May 25 09:28 19104	24 May 2004 7:11 pm
7	20	May 25 09:12 2004	May 25 09:05 19104	24 May 2004 4:04 pm

B052404.M Tue May 25 10:29:29 2004

Calibration Curve Review Checklist for 8270C/625

Matrix: **CH2CL2** Instrument: **MS-10** Date Prepared: **5/24/2004**

Curve ID: **B052404.M**

- Does the calibration curve contain a minimum of 5 points? ✔
- If average response factor used in calculation are all non CCC & SPCC compound RPD ±15% (8270C) ✔
- If response factor is used are all RF RSD <35%. (625) ✔
- If linear regression used in calculation, is the correlation coefficient (r) > 0.995 ✔
- Is the lowest data point in each curve at the PQL in LIMS ☐

  List any analytes with data point below PQL

  17 compounds lowest points below PQL for soil;
  12 compounds lowest points below PQL for water.

- Is the highest data point in each curve at the UQL in LIMS ✔
- Is the peak area for any of the internal standards stay within a factor of two (- 50% to + 100%) of the mid-point standard in the curve ✔
- Is the relative retention time (RRT) of each target analyte in each calibration standard within 0.06 RRT units of the other calibration standards ✔
- Is the average response factor for all CCC compounds within 30% (circle CCC that are above 30%) CCC compounds are: (8270C) ✔

Base Neutral Fraction	**Acid Fraction**
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

Comments:

- Is the response factors for the SPCC compounds above 0.050 (Circle SPCC that are below) (8270C) ✔

  N-nitroso-di-n-propylamine hexachlorocyclopentadiene
  2,4-dinitrophenol 4-nitrophenol.

Comments:

- Does the ICV pass for 8270C (RSD < = 20% for CCCs; min RF for SPCC 0.050; RSD <=20% for special targets) ✔
- Does ICV pass for 625 (all targets +-20% of true value). ✔
- Is ICV second source standard from ICAL standards ✔
- Is the standard preparation information included and properly signed and dated. ✔
- Is run log included and properly signed and dated. ✔
- Are all chromatograms included and properly signed and dated. ✔

Analyst: _____ Date: **5/25/2004** Time: **12:43 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

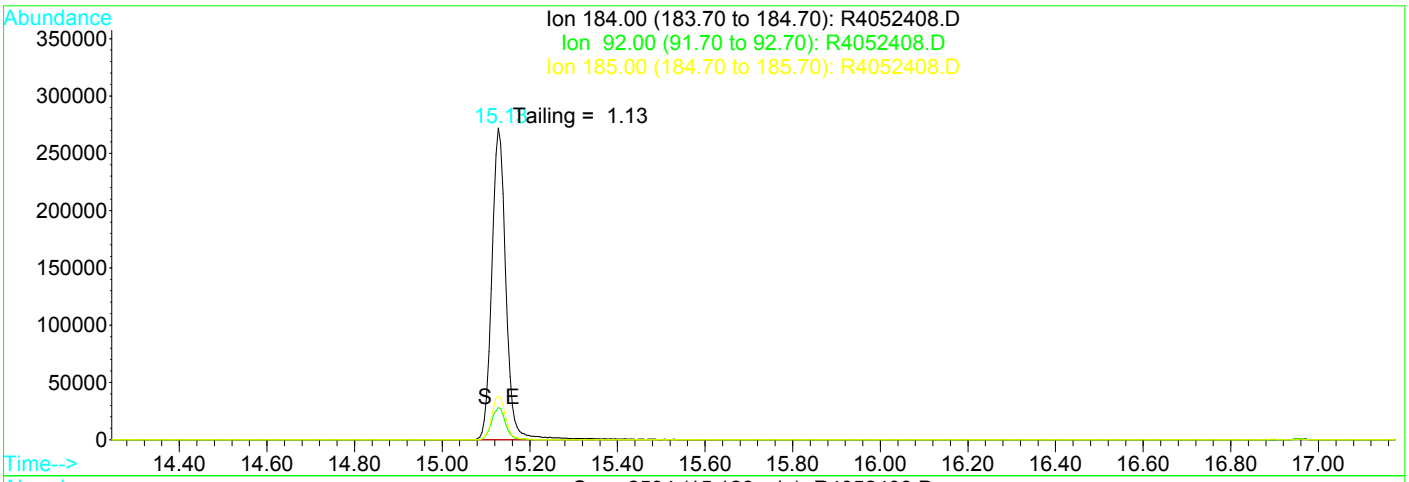
Comments:

ICV failed for hexachlorocyclopentadiene at first time.

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052408.D Vial: 1
Acq On : 24 May 2004 2:49 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 24 15:31 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4052408.D

(7) Benzidine (T)

15.13min 0.00ng m

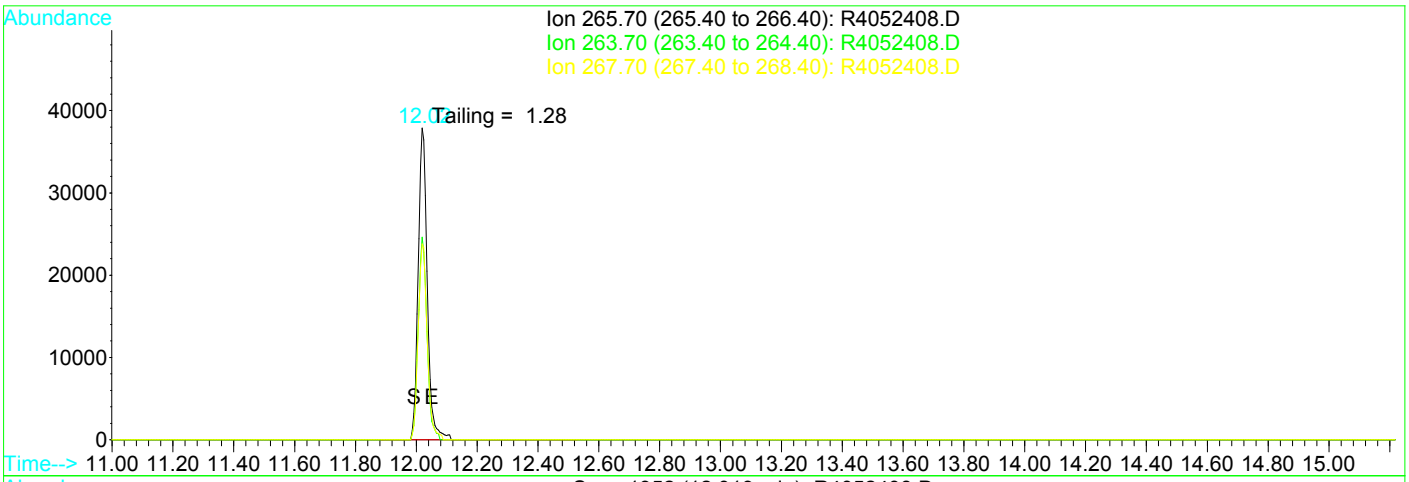
response 612463

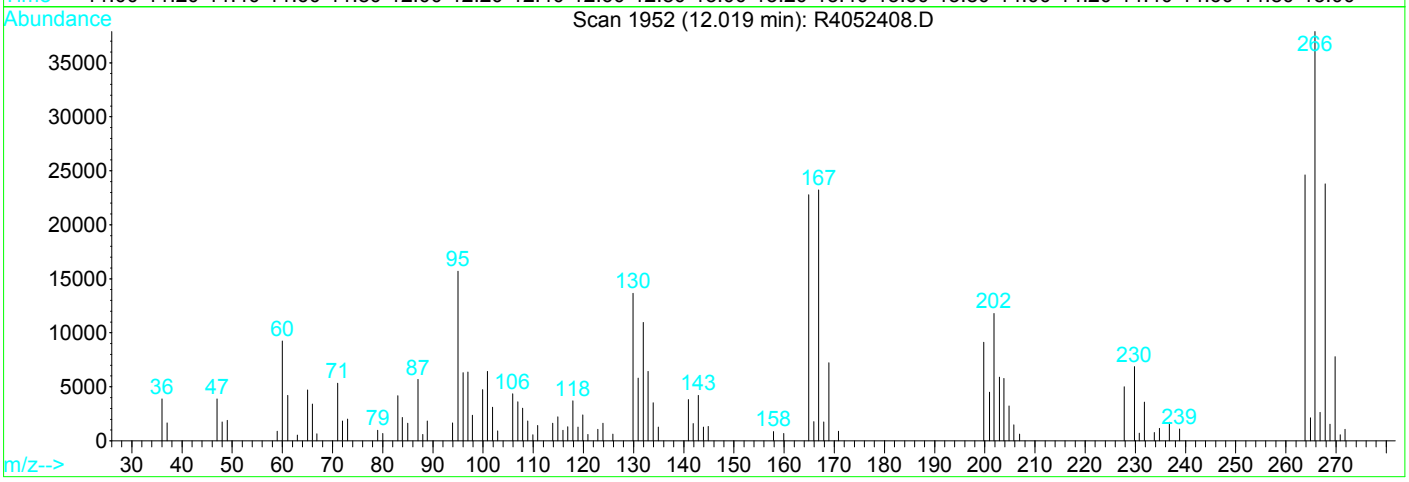
Ion	Exp%	Act%
184.00	100	100
92.00	11.30	0.00
185.00	14.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052408.D Vial: 1
Acq On : 24 May 2004 2:49 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 24 15:31 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration





TIC: R4052408.D

(5) Pentachlorophenol (CCC)

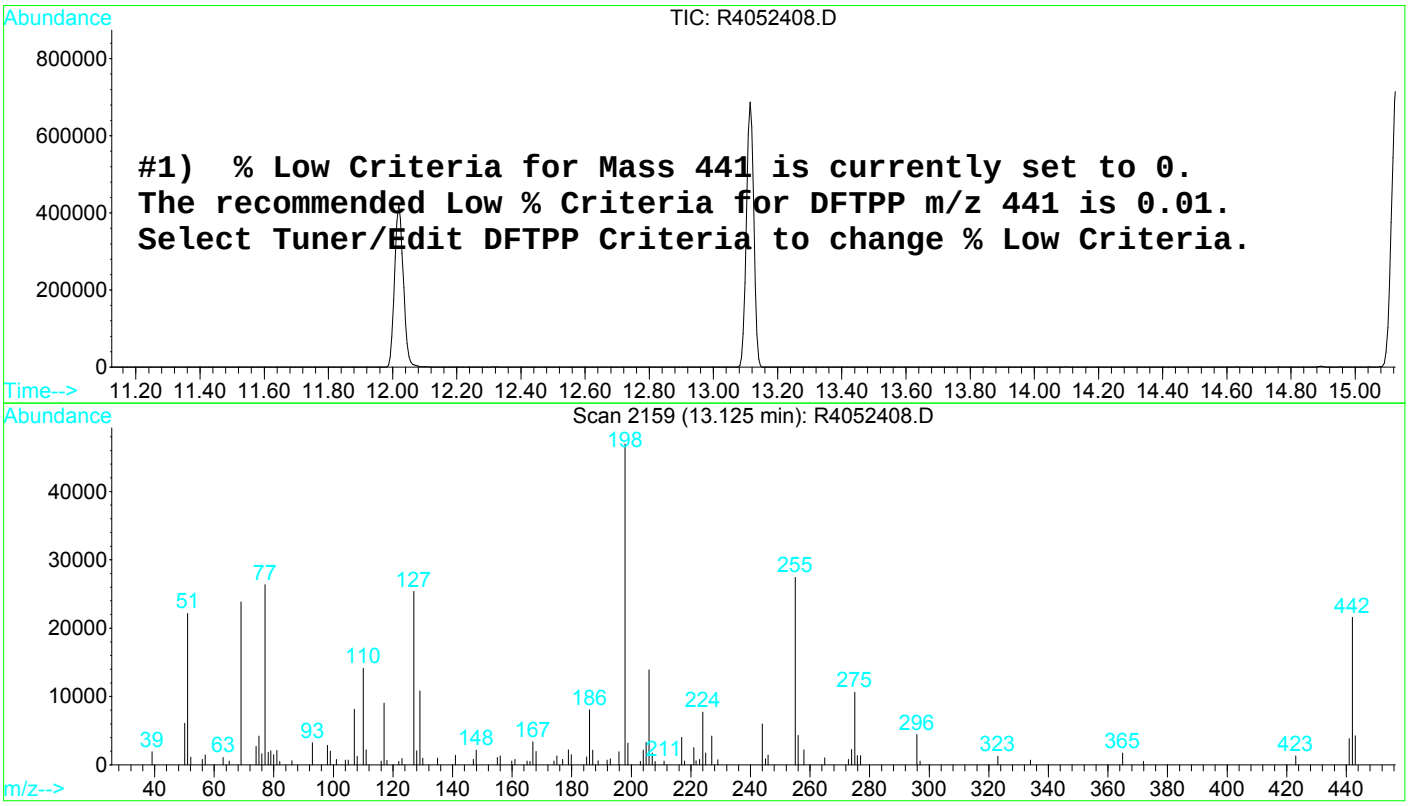
12.02min 0.00ng m

response 78249

Ion	Exp%	Act%
265.70	100	100
263.70	63.40	0.00#
267.70	63.70	0.00#
0.00	0.00	0.00

DFTPP

Data File : C:\HPCHEM\1\DATA\R40524\R4052408.D Vial: 1
Acq On : 24 May 2004 2:49 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES



Spectrum Information: Scan 2159

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.2	22168	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	50.7	23824	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.0	25368	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	46952	PASS
199	198	5	9	6.8	3206	PASS
275	198	10	30	22.6	10618	PASS
365	198	1	100	3.7	1745	PASS
441	443	0.00	100	89.2	3824	see #1
442	198	40	100	46.0	21576	PASS
443	442	17	23	19.9	4285	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\R40524\R4052408.D
Operator: YH
Date Acquired: 24 May 2004 2:49 pm
Method File: &PAH2
Sample Name: DFTPP
Misc Info: TUNE DFTPP_4
Vial Number: 1

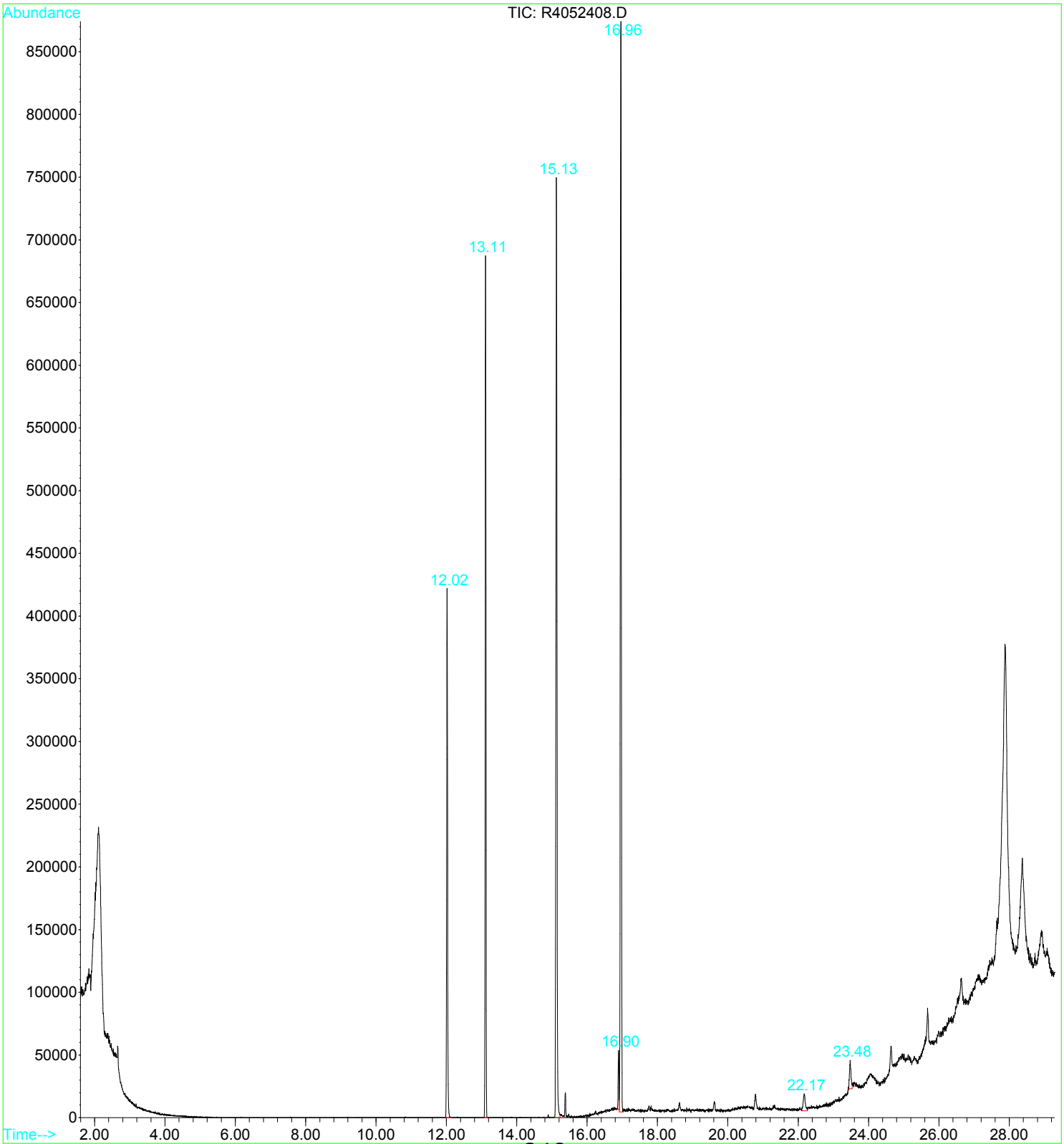
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	12.02	14.62	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	96
2	13.11	19.94	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126125	005074-71-5	99
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
3	15.13	29.15	C:\DATABASE\NIST98.L			
			Benzidine	78849	000092-87-5	97
			Benzidine	125573	000092-87-5	97
			Benzidine	125548	000092-87-5	95
4	16.90	1.34	C:\DATABASE\NIST98.L			
			Octadecanoic acid, butyl ester	111935	000123-95-5	87
			Chloromethyl 2-chloroundecanoate	15208	1000143-86-1	27
			1-Octene, 2-methyl-	111849	004588-18-5	22
5	16.96	32.71	C:\DATABASE\NIST98.L			
			o,p'-DDT	127276	000789-02-6	95
			o,p'-DDT	90534	000789-02-6	95
			o,p'-DDT	127277	000789-02-6	92
6	22.17	1.03	C:\DATABASE\NIST98.L			
			Tetratetracontane	112365	007098-22-8	50
			Hexatriacontane	112334	000630-06-8	50
			Tritetracontane	17076	007098-21-7	50
7	23.48	1.22	C:\DATABASE\NIST98.L			
			Octadecane, 1-chloro-	112584	003386-33-2	52
			Tetradecane, 1-chloro-	112425	002425-54-9	43
			Nonadecane	112380	000629-92-5	35

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052408.D Vial: 1
Acq On : 24 May 2004 2:49 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



R4052408.D DFTPP.M Mon May 24 15:30:30 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052408.D Vial: 1
Acq On : 24 May 2004 2:49 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.019	1944	1952	1971	rBB	422077	800629	44.68%	14.617%
2	13.114	2149	2157	2165	rBB2	687266	1091972	60.94%	19.936%
3	15.128	2522	2534	2553	rBV	749615	1596715	89.11%	29.151%
4	16.896	2858	2865	2869	rBV2	46731	73530	4.10%	1.342%
5	16.960	2869	2877	2887	rVB	869492	1791778	100.00%	32.712%
6	22.174	3839	3853	3870	rBV7	13448	56240	3.14%	1.027%
7	23.478	4089	4097	4108	rBV6	22678	66565	3.72%	1.215%

Sum of corrected areas: 5477429

R4052408.D DFTPP.M Mon May 24 15:30:30 2004

Response Factor Report GC/MS 10

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration

Calibration Files
10 =R4052409.D 40 =R4052411.D 60 =R4052412.D
80 =R4052413.D 120 =R4052414.D 160 =R4052415.D

		Compound	10	40	60	80	120	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)		Pyridine	1.540	1.536	1.593	1.577	1.558	1.559	1.558	1.37
3)	T	2-Picoline	1.223	1.236	1.302	1.277	1.284	1.246	1.257	2.42
4)	T	Methyl methanesulfo	0.700	0.728	0.751	0.751	0.731	0.733	0.729	2.69
5)	S	2-Fluorophenol	1.258	1.305	1.357	1.345	1.332	1.323	1.314	2.70
6)	T	Ethyl methanesulfon	1.213	1.229	1.276	1.261	1.250	1.239	1.240	1.94
7)	T	Benzaldehyde	0.040	0.123	0.162	0.183	0.180	0.186	0.146	38.91
8)	T	Aniline	0.983	0.868	0.990	0.994	0.902	0.882	0.944	6.06
9)	S	Phenol-d5	1.705	1.723	1.795	1.752	1.687	1.682	1.726	2.30
10)	CCC	Phenol	2.099	2.115	2.137	2.085	2.004	2.005	2.080	2.59
11)	T	Bis(2-chloroethyl)e	1.321	1.336	1.379	1.343	1.307	1.303	1.331	1.93
12)	T	2-Chlorophenol	1.480	1.459	1.513	1.489	1.450	1.443	1.473	1.67
13)	T	1,3-Dichlorobenzene	1.626	1.600	1.644	1.603	1.578	1.566	1.606	1.73
14)	CCC	1,4-Dichlorobenzene	1.637	1.635	1.633	1.621	1.582	1.583	1.617	1.51
15)	T	1,2-Dichlorobenzene	1.542	1.543	1.562	1.524	1.488	1.492	1.531	2.02
16)	T	Benzyl alcohol	0.931	0.969	1.008	1.004	0.990	0.987	0.976	2.99
17)	T	Bis(2-chloroisoprop	2.366	2.347	2.379	2.350	2.274	2.265	2.332	1.91
18)	T	2-Methylphenol	1.263	1.258	1.283	1.264	1.225	1.231	1.254	1.60
19)	T	4-Methylphenol	1.538	1.571	1.576	1.553	1.496	1.497	1.541	2.15
20)	PC	N-Nitrosodi-n-propy	1.240	1.225	1.269	1.257	1.213	1.216	1.234	1.80
21)	T	N-Nitrosodimethylam	0.738	0.752	0.794	0.792	0.790	0.778	0.769	3.27
22)	T	Hexachloroethane	0.668	0.675	0.688	0.682	0.677	0.680	0.677	1.03
23)	I	Naphthalene-d8	ISTD							
24)	S	Nitrobenzene-d5	0.466	0.471	0.494	0.496	0.475	0.485	0.480	2.42
25)	T	Acetophenone	0.566	0.561	0.579	0.575	0.552	0.557	0.566	1.70
26)	M	Nitrobenzene	0.474	0.460	0.481	0.478	0.457	0.466	0.470	1.95
27)	T	N-Nitrosopiperidine	0.192	0.191	0.198	0.201	0.193	0.197	0.195	2.03
28)	T	Isophorone	0.811	0.817	0.844	0.844	0.797	0.802	0.820	2.26
29)	CCC	2-Nitrophenol	0.182	0.198	0.209	0.212	0.205	0.209	0.201	5.71
30)	T	2,4-Dimethylphenol	0.343	0.343	0.350	0.351	0.333	0.339	0.343	1.78
31)	T	Bis(2-chloroethoxy)	0.495	0.486	0.504	0.502	0.476	0.476	0.490	2.30
32)	CCC	2,4-Dichlorophenol	0.291	0.297	0.310	0.308	0.293	0.296	0.299	2.47
33)	T	1,2,4-Trichlorobenz	0.320	0.315	0.327	0.323	0.311	0.311	0.318	1.91
34)	T	Naphthalene	1.154	1.107	1.132	1.124	1.058	1.055	1.110	3.58
35)	T	Benzoic acid			0.041	0.104	0.137	0.171	0.113	48.76
36)	T	2,6-Dichlorophenol	0.287	0.287	0.295	0.295	0.281	0.286	0.289	1.64
37)	T	4-Chloroaniline	0.465	0.436	0.443	0.438	0.418	0.418	0.441	4.51

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC/MS 10

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration

Calibration Files
10 =R4052409.D 40 =R4052411.D 60 =R4052412.D
80 =R4052413.D 120 =R4052414.D 160 =R4052415.D

		Compound	10	40	60	80	120	160	Avg	%RSD
38)	CCC	Hexachlorobutadiene	0.177	0.172	0.177	0.178	0.172	0.177	0.176	1.31
39)	T	a,a-Dimethylpheneth	0.854	0.901	0.987	1.017	0.956	0.997	0.951	6.04
40)	T	Caprolactam	0.193	0.241	0.253	0.260	0.245	0.250	0.234	11.76
41)	CCC	4-Chloro-3-methylph	0.346	0.349	0.371	0.374	0.355	0.361	0.359	2.93
42)	T	N-Nitrosodi-n-butyl	0.297	0.393	0.408	0.406	0.390	0.394	0.371	12.59
43)	T	2-Methylnaphthalene	0.782	0.769	0.792	0.790	0.742	0.742	0.771	2.78
44)	T	1-Methylnaphthalene	0.786	0.772	0.795	0.793	0.745	0.752	0.775	2.52
45)	I	Acenaphthene-d10	----------ISTD----------							
46)	T	1,2,4,5-Tetrachloro	0.536	0.530	0.528	0.529	0.520	0.530	0.528	0.96
47)	PC	Hexachlorocyclopent	0.215	0.263	0.279	0.280	0.287	0.294	0.266	10.63
48)	CCC	2,4,6-Trichlorophen	0.348	0.354	0.368	0.370	0.362	0.371	0.361	2.62
49)	T	2,4,5-Trichlorophen	0.370	0.367	0.389	0.391	0.380	0.388	0.380	2.61
50)	S	2-Fluorobiphenyl	1.495	1.430	1.426	1.417	1.381	1.388	1.426	2.68
51)	T	Biphenyl	1.873	1.824	1.813	1.802	1.756	1.762	1.810	2.29
52)	T	2-Chloronaphthalene	1.364	1.337	1.328	1.318	1.294	1.306	1.327	1.80
53)	T	1-Chloronaphthalene	1.076	1.043	1.035	1.049	1.018	1.026	1.041	1.78
54)	T	2-Nitroaniline	0.411	0.445	0.474	0.484	0.477	0.495	0.459	6.79
55)	T	3-Nitroaniline	0.335	0.353	0.380	0.385	0.373	0.383	0.364	5.62
56)	T	Pentachlorobenzene	0.434	0.413	0.418	0.418	0.405	0.412	0.417	2.12
57)	T	4-Nitroaniline	0.344	0.353	0.387	0.397	0.374	0.389	0.370	5.77
58)	T	2-Naphthylamine	1.036	1.183	1.234	1.234	1.172	1.173	1.169	5.67
59)	T	1-Naphthylamine	1.250	1.188	1.246	1.225	1.177	1.191	1.221	2.94
60)	T	Dimethyl phthalate	1.432	1.413	1.451	1.449	1.399	1.416	1.426	1.36
61)	T	Acenaphthylene	2.088	2.043	2.059	2.044	1.949	1.958	2.032	2.76
62)	T	2,6-Dinitrotoluene	0.280	0.308	0.329	0.331	0.321	0.329	0.315	5.96
63)	CCC	Acenaphthene	1.193	1.173	1.189	1.183	1.155	1.161	1.176	1.19
64)	PC	2,4-Dinitrophenol	0.079	0.131	0.161	0.173	0.180	0.193	0.145	30.02#
65)	T	Dibenzofuran	1.790	1.741	1.756	1.737	1.662	1.695	1.736	2.53
66)	PC	4-Nitrophenol	0.307	0.307	0.349	0.358	0.347	0.367	0.333	8.40
67)	M	2,4-Dinitrotoluene	0.385	0.404	0.432	0.436	0.423	0.433	0.416	4.89
68)	T	2,3,4,6-Tetrachloro	0.267	0.264	0.287	0.293	0.281	0.295	0.279	4.75
69)	T	Diethyl phthalate	1.448	1.436	1.481	1.489	1.422	1.451	1.455	1.62
70)	T	Fluorene	1.453	1.408	1.442	1.434	1.375	1.411	1.423	1.87
71)	T	4-Chlorophenyl phen	0.643	0.630	0.635	0.642	0.617	0.641	0.637	1.64
72)	S	2,4,6-Tribromopheno	0.104	0.107	0.115	0.119	0.115	0.118	0.112	5.37
73)	I	Phenanthrene-d10	----------ISTD----------							
74)	T	4,6-Dinitro-2-methy	0.108	0.142	0.161	0.166	0.164	0.171	0.148	16.05

(#) = Out of Range ### Number of calibration levels exceeded format ###

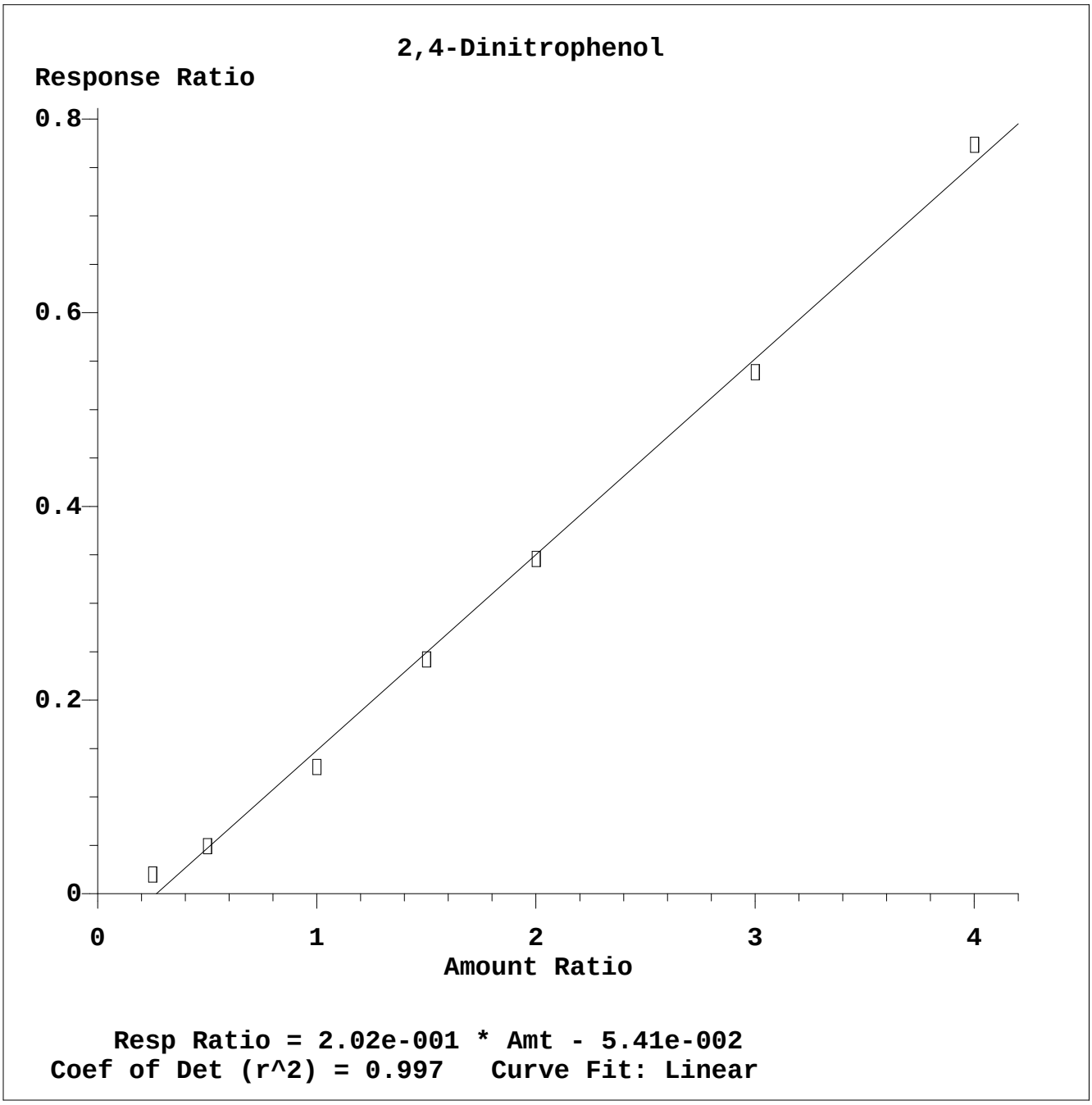
Response Factor Report GC/MS 10

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration

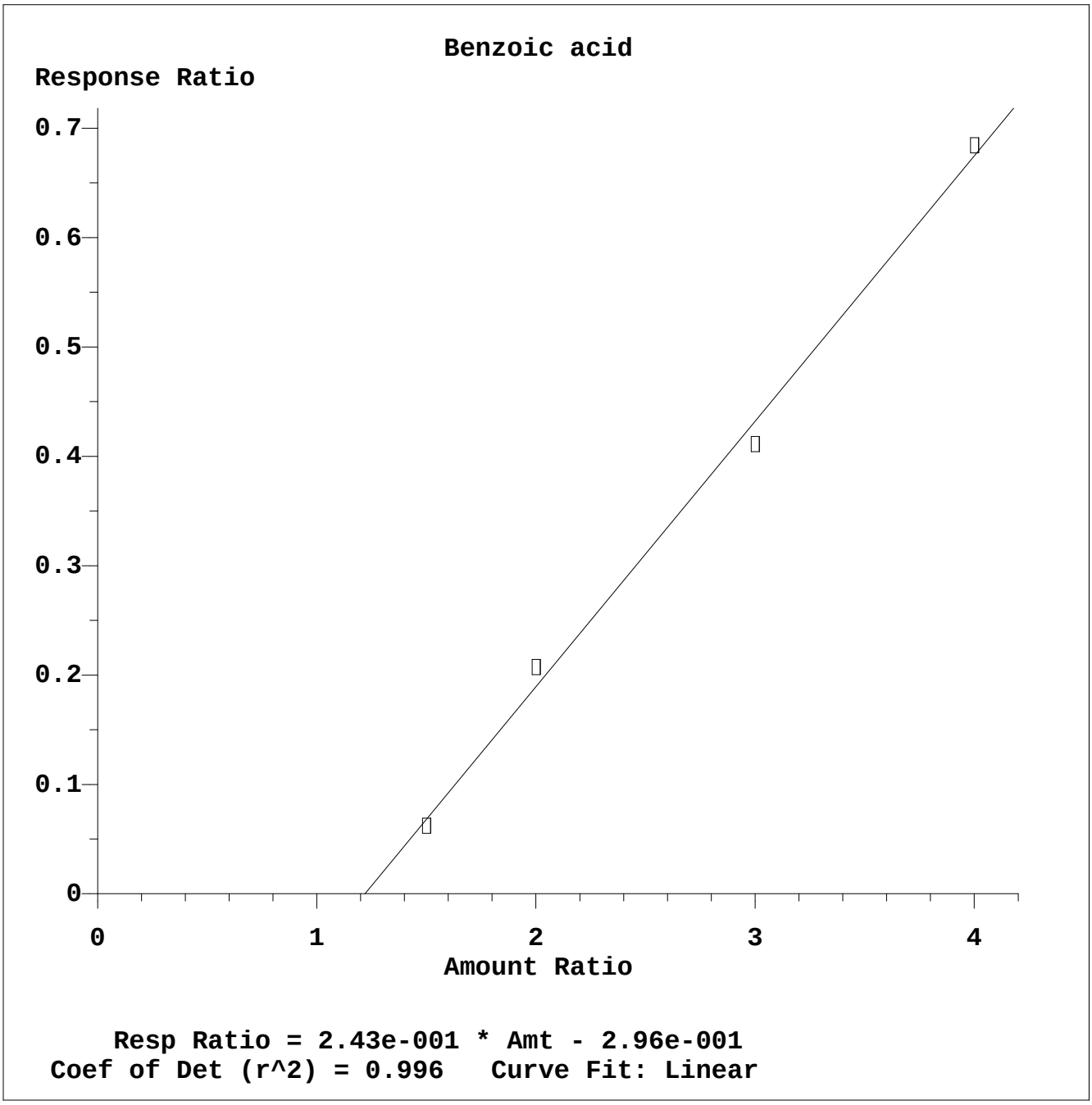
Calibration Files
10 =R4052409.D 40 =R4052411.D 60 =R4052412.D
80 =R4052413.D 120 =R4052414.D 160 =R4052415.D

		Compound	10	40	60	80	120	160	Avg	%RSD
75)	T	Azobenzene	1.113	1.124	1.128	1.131	1.096	1.100	1.115	1.23
76)	T	1,2-Diphenylhydrazi	0.242	0.248	0.249	0.245	0.242	0.244	0.244	1.14
77)	CCC	Diphenylamine	0.152	0.150	0.151	0.153	0.150	0.153	0.152	0.88
78)	T	N-Nitrosodiphenylam	0.746	0.738	0.740	0.769	0.747	0.749	0.749	1.34
79)	T	4-Bromophenyl pheny	0.218	0.215	0.218	0.218	0.215	0.215	0.216	0.67
80)	T	Phenacetin	0.448	0.489	0.524	0.527	0.507	0.518	0.499	5.80
81)	T	Hexachlorobenzene	0.190	0.194	0.197	0.196	0.193	0.193	0.194	1.33
82)	T	Atrazine	0.228	0.233	0.243	0.242	0.230	0.226	0.234	2.89
83)	T	4-Aminobiphenyl	0.684	0.743	0.795	0.778	0.735	0.732	0.743	4.83
84)	CCC	Pentachlorophenol	0.087	0.111	0.127	0.128	0.129	0.132	0.119	14.68
85)	T	Pentachloronitroben	0.091	0.100	0.105	0.106	0.105	0.108	0.102	5.77
86)	T	Pronamide	0.342	0.362	0.382	0.384	0.370	0.379	0.368	4.11
87)	T	Phenanthrene	1.238	1.201	1.228	1.212	1.183	1.174	1.209	1.97
88)	T	Anthracene	1.325	1.295	1.326	1.308	1.254	1.252	1.296	2.43
89)	T	Carbazole	1.290	1.256	1.316	1.307	1.248	1.252	1.279	2.15
90)	T	Di-n-butyl phthalat	1.532	1.597	1.659	1.665	1.576	1.566	1.597	3.06
91)	CCC	Fluoranthene	1.342	1.344	1.395	1.391	1.326	1.332	1.356	2.04
92)	I	Chrysene-d12	----------ISTD----------							
93)	T	Pyrene	1.652	1.666	1.675	1.674	1.602	1.571	1.645	2.54
94)	S	4-Terphenyl-d14	1.010	1.017	1.042	1.046	1.014	1.004	1.023	1.58
95)	T	Benzidine	0.265	0.181	0.224	0.234	0.230	0.238	0.229	12.01
96)	T	Dimethylaminoazoben	0.316	0.344	0.354	0.357	0.351	0.349	0.344	4.16
97)	T	Butyl benzyl phthal	0.824	0.883	0.912	0.923	0.902	0.906	0.888	3.79
98)	T	Benz(a)anthracene	1.509	1.515	1.557	1.555	1.508	1.525	1.529	1.34
99)	T	3,3'-Dichlorobenzid	0.457	0.439	0.471	0.484	0.467	0.483	0.463	3.84
100)	T	Chrysene	1.426	1.409	1.449	1.448	1.388	1.393	1.420	1.73
101)	T	Bis(2-ethylhexyl)ph	1.142	1.200	1.253	1.265	1.232	1.233	1.216	3.53
102)	CCC	Di-n-octyl phthalat	1.839	1.959	2.072	2.103	2.054	2.066	1.997	5.16
103)	T	3-Methylchlolanthre	0.685	0.684	0.739	0.758	0.732	0.755	0.719	4.90
104)	T	Indeno[1,2,3-cd]pyr	1.497	1.514	1.608	1.633	1.588	1.625	1.560	4.58
105)	I	Perylene-d12	----------ISTD----------							
106)	T	Benzo[b]fluoranthen	1.490	1.523	1.574	1.543	1.563	1.718	1.562	4.75
107)	T	Benzo[k]fluoranthen	1.522	1.560	1.560	1.579	1.459	1.370	1.502	5.01
108)	CCC	Benzo[a]pyrene	1.399	1.438	1.496	1.498	1.451	1.460	1.453	2.47
109)	T	Dibenz(a,j)acridine	1.166	1.206	1.263	1.269	1.237	1.248	1.222	3.60
110)	T	Dibenz(a,h)anthrace	1.452	1.463	1.507	1.506	1.477	1.466	1.472	1.81
111)	T	Benzo[g,h,i]perylen	1.398	1.440	1.489	1.496	1.461	1.455	1.448	2.77

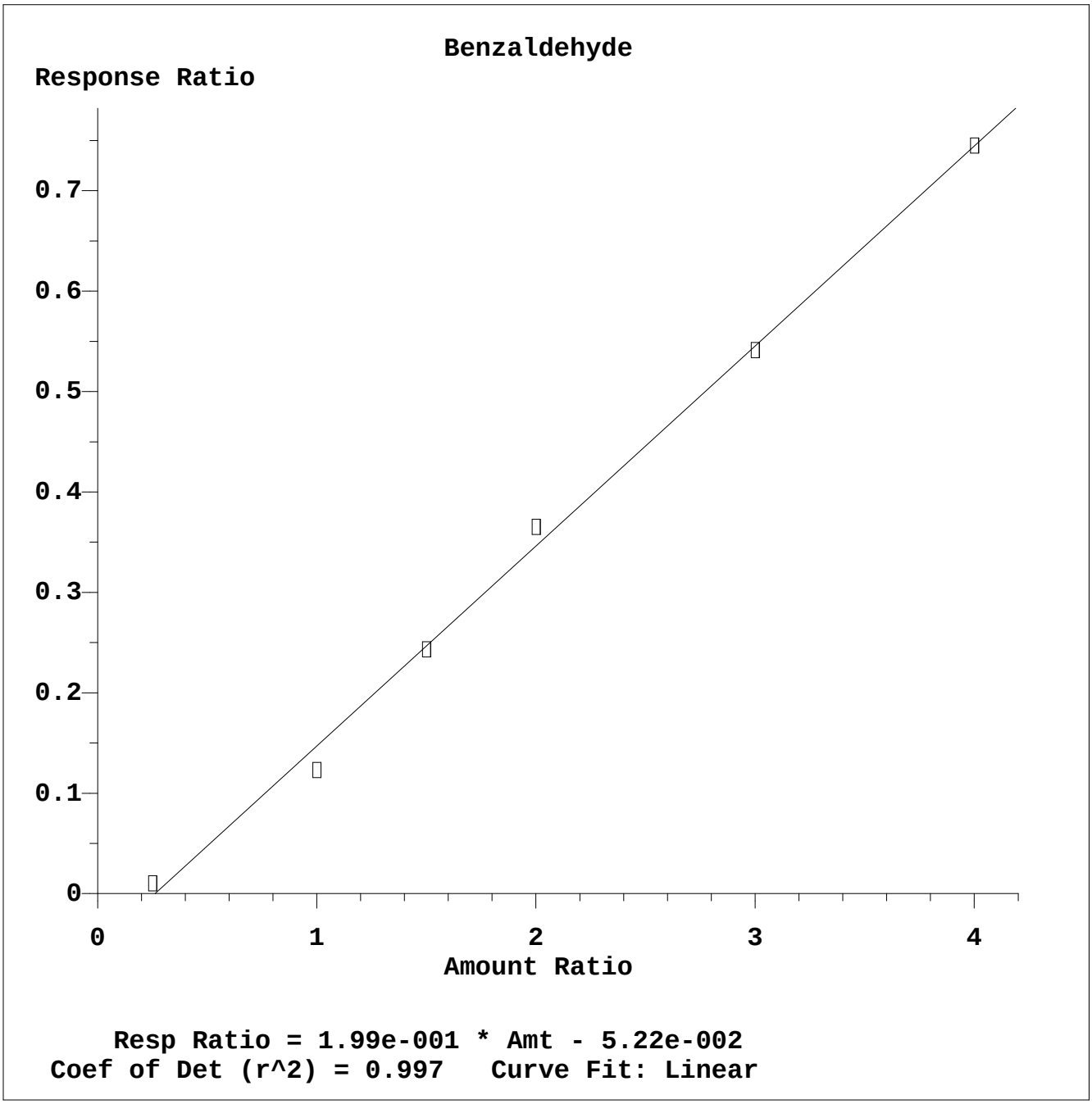
(#) = Out of Range ### Number of calibration levels exceeded format ###



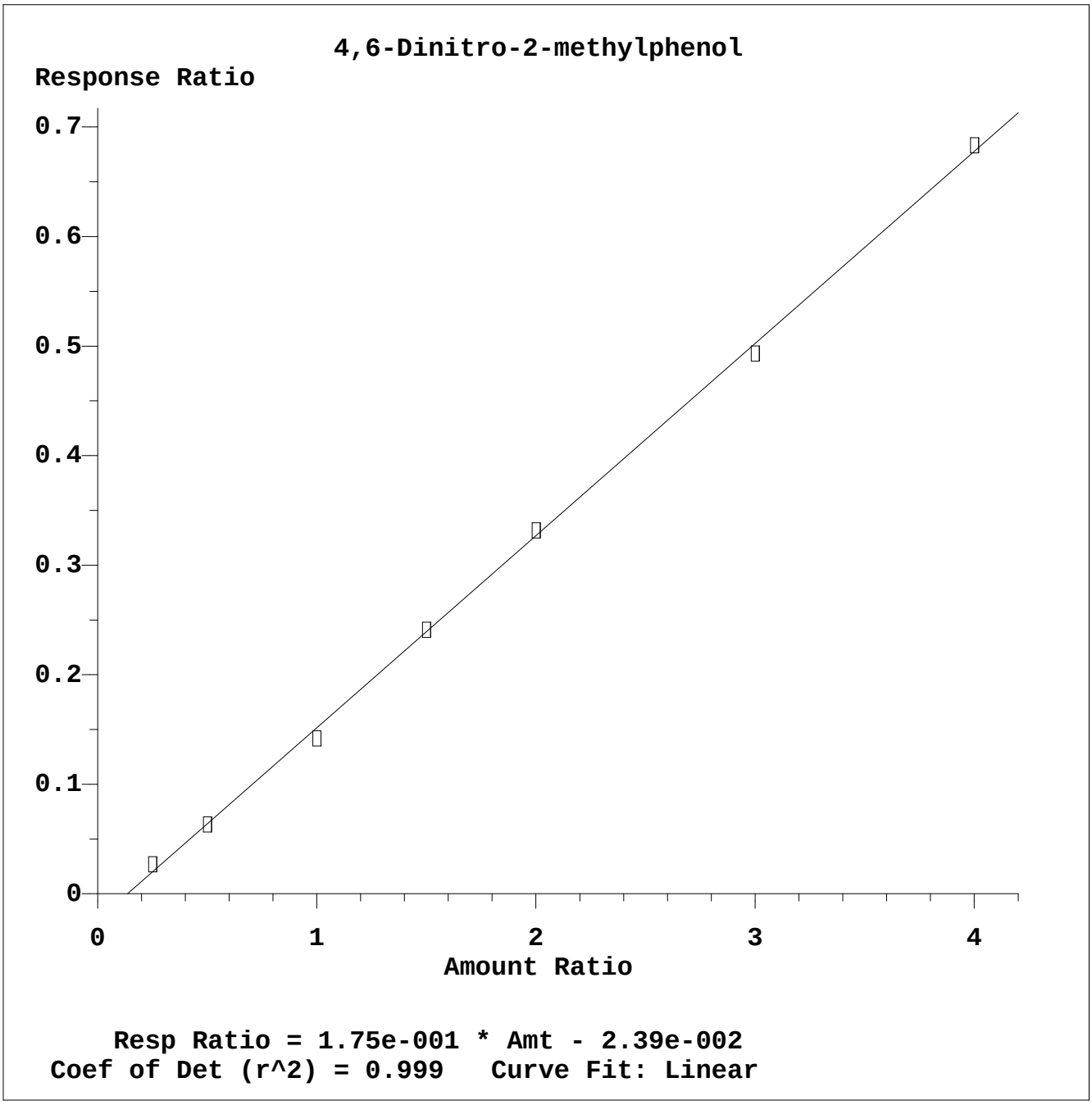
Method Name: C:\HPCHEM\1\METHODS\B052404.M
Calibration Table Last Updated: Tue May 25 09:30:23 2004



Method Name: C:\HPCHEM\1\METHODS\B052404.M
Calibration Table Last Updated: Tue May 25 09:30:23 2004



Method Name: C:\HPCHEM\1\METHODS\B052404.M
Calibration Table Last Updated: Tue May 25 09:30:23 2004



Method Name: C:\HPCHEM\1\METHODS\B052404.M
Calibration Table Last Updated: Tue May 25 09:30:23 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	136251	40.00	ng	0.00
23) Naphthalene-d8	6.58	136	515624	40.00	ng	0.00
45) Acenaphthene-d10	9.36	164	291515	40.00	ng	0.00
73) Phenanthrene-d10	12.24	188	489710	40.00	ng	0.00
92) Chrysene-d12	17.99	240	423306	40.00	ng	0.00
105) Perylene-d12	22.77	264	373255	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.81	112	42850	9.57	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 9.57%#			
9) Phenol-d5	4.80	99	58083	9.88	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 9.88%#			
24) Nitrobenzene-d5	5.73	82	60048	9.71	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 19.42%#			
50) 2-Fluorobiphenyl	8.18	172	108945	10.48	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 20.96%#			
72) 2,4,6-Tribromophenol	10.89	330	7592	9.29	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 9.29%#			
94) 4-Terphenyl-d14	15.66	244	106930	9.87	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 19.74%#			
Target Compounds						Qvalue
2) Pyridine	2.00	79	52451	9.89	ng	100
3) 2-Picoline	3.05	93	41655	9.73	ng	100
4) Methyl methanesulfonate	3.60	80	23830	9.60	ng	100
6) Ethyl methanesulfonate	4.35	79	41315	9.78	ng	100
7) Benzaldehyde	4.64	105	1373m	3.06	ng	
8) Aniline	4.79	66	33491	10.41	ng	100
10) Phenol	4.82	94	71512	10.09	ng	100
11) Bis(2-chloroethyl)ether	4.83	63	45011	9.93	ng	100
12) 2-Chlorophenol	4.91	128	50421	10.05	ng	100
13) 1,3-Dichlorobenzene	5.04	146	55380	10.12	ng	100
14) 1,4-Dichlorobenzene	5.10	146	55744	10.12	ng	100
15) 1,2-Dichlorobenzene	5.30	146	52524	10.07	ng	100
16) Benzyl alcohol	5.27	108	31697	9.53	ng	100
17) Bis(2-chloroisopropyl)ethe	5.42	45	80606	10.15	ng	100
18) 2-Methylphenol	5.43	107	43026	10.08	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.59	107	104808	19.96	ng		100
20)	N-Nitrosodi-n-propylamine	5.57	70	42250	10.06	ng		100
21)	N-Nitrosodimethylamine	1.95	42	25139	9.60	ng		100
22)	Hexachloroethane	5.65	117	22746	9.86	ng		100
25)	Acetophenone	5.55	105	72976	10.01	ng		100
26)	Nitrobenzene	5.74	77	61074	10.08	ng		100
27)	N-Nitrosopiperidine	5.91	114	24695	9.84	ng		100
28)	Isophorone	6.01	82	104586	9.90	ng		100
29)	2-Nitrophenol	6.12	139	23484	9.08	ng		100
30)	2,4-Dimethylphenol	6.18	122	44224	9.99	ng		100
31)	Bis(2-chloroethoxy)methane	6.27	93	63775	10.09	ng		100
32)	2,4-Dichlorophenol	6.44	162	37503	9.74	ng		100
33)	1,2,4-Trichlorobenzene	6.52	180	41234	10.04	ng		100
34)	Naphthalene	6.60	128	148727	10.39	ng		100
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.72	162	37003	9.94	ng		100
37)	4-Chloroaniline	6.70	127	59907	10.55	ng		100
38)	Hexachlorobutadiene	6.84	225	22753	10.04	ng		100
39)	a,a-Dimethylphenethylamine	6.64	58	110047m	9.18	ng		
40)	Caprolactam	7.11	55	24822	8.23	ng		100
41)	4-Chloro-3-methylphenol	7.40	107	44634	9.66	ng		100
42)	N-Nitrosodi-n-butylamine	7.17	84	38300	8.00	ng		100
43)	2-Methylnaphthalene	7.58	142	100741	10.13	ng		100
44)	1-Methylnaphthalene	7.75	142	101314	10.14	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.90	216	39067	10.15	ng		100
47)	Hexachlorocyclopentadiene	7.93	237	15642	8.08	ng	#	100
48)	2,4,6-Trichlorophenol	8.08	196	25387	9.66	ng		100
49)	2,4,5-Trichlorophenol	8.16	196	26939	9.73	ng		100
51)	Biphenyl	8.33	154	136474	10.35	ng		100
52)	2-Chloronaphthalene	8.35	162	99418	10.28	ng		100
53)	1-Chloronaphthalene	8.41	162	78391	10.33	ng		100
54)	2-Nitroaniline	8.59	65	29944	8.94	ng		100
55)	3-Nitroaniline	9.33	138	24402	9.19	ng		100
56)	Pentachlorobenzene	9.76	250	31599	10.39	ng		100
57)	4-Nitroaniline	10.50	138	25039	9.28	ng		100
58)	2-Naphthylamine	9.88	143	75537	8.86	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	10.02	143	91114	10.24	ng	100
60)	Dimethyl phthalate	8.95	163	104334	10.04	ng	100
61)	Acenaphthylene	9.09	152	152177	10.28	ng	100
62)	2,6-Dinitrotoluene	9.06	165	20429	8.91	ng	100
63)	Acenaphthene	9.42	154	86908	10.14	ng	100
64)	2,4-Dinitrophenol	9.51	184	5732	14.59	ng	100
65)	Dibenzofuran	9.72	168	130467	10.31	ng	100
66)	4-Nitrophenol	9.73	65	22355	9.20	ng	100
67)	2,4-Dinitrotoluene	9.79	165	28079	9.27	ng	100
68)	2,3,4,6-Tetrachlorophenol	10.05	232	19435	9.57	ng	100
69)	Diethyl phthalate	10.28	149	105538	9.95	ng	100
70)	Fluorene	10.37	166	105914	10.21	ng	100
71)	4-Chlorophenyl phenyl ethe	10.38	204	46885	10.10	ng	100
74)	4,6-Dinitro-2-methylphenol	10.57	198	13175	7.26	ng	100
75)	Azobenzene	10.68	77	136260	9.98	ng	100
76)	1,2-Diphenylhydrazine	10.69	182	29600	9.89	ng	100
77)	Diphenylamine	10.62	170	18666	10.05	ng	100
78)	N-Nitrosodiphenylamine	10.62	168	91353	9.97	ng	100
79)	4-Bromophenyl phenyl ether	11.34	248	26708	10.08	ng	100
80)	Phenacetin	11.32	108	54847	8.98	ng	100
81)	Hexachlorobenzene	11.63	284	23227	9.80	ng	100
82)	Atrazine	11.78	200	27965	9.74	ng	100
83)	4-Aminobiphenyl	11.89	169	83767	9.21	ng	100
84)	Pentachlorophenol	12.02	266	10598	7.46	ng	100
85)	Pentachloronitrobenzene	12.16	237	11122	8.92	ng	100
86)	Pronamide	12.12	173	41911	9.30	ng	100
87)	Phenanthrene	12.29	178	151582	10.24	ng	100
88)	Anthracene	12.38	178	162214	10.22	ng	100
89)	Carbazole	12.75	167	157924	10.09	ng	100
90)	Di-n-butyl phthalate	13.64	149	187600	9.60	ng	100
91)	Fluoranthene	14.80	202	164276	9.90	ng	100
93)	Pyrene	15.27	202	174873	10.04	ng	100
95)	Benzidine	15.13	184	28078	12.09	ng	100
96)	Dimethylaminoazobenzene	16.00	225	33414	9.18	ng	100
97)	Butyl benzyl phthalate	16.81	149	87240	9.28	ng	100
98)	Benz(a)anthracene	17.94	228	159730	9.87	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

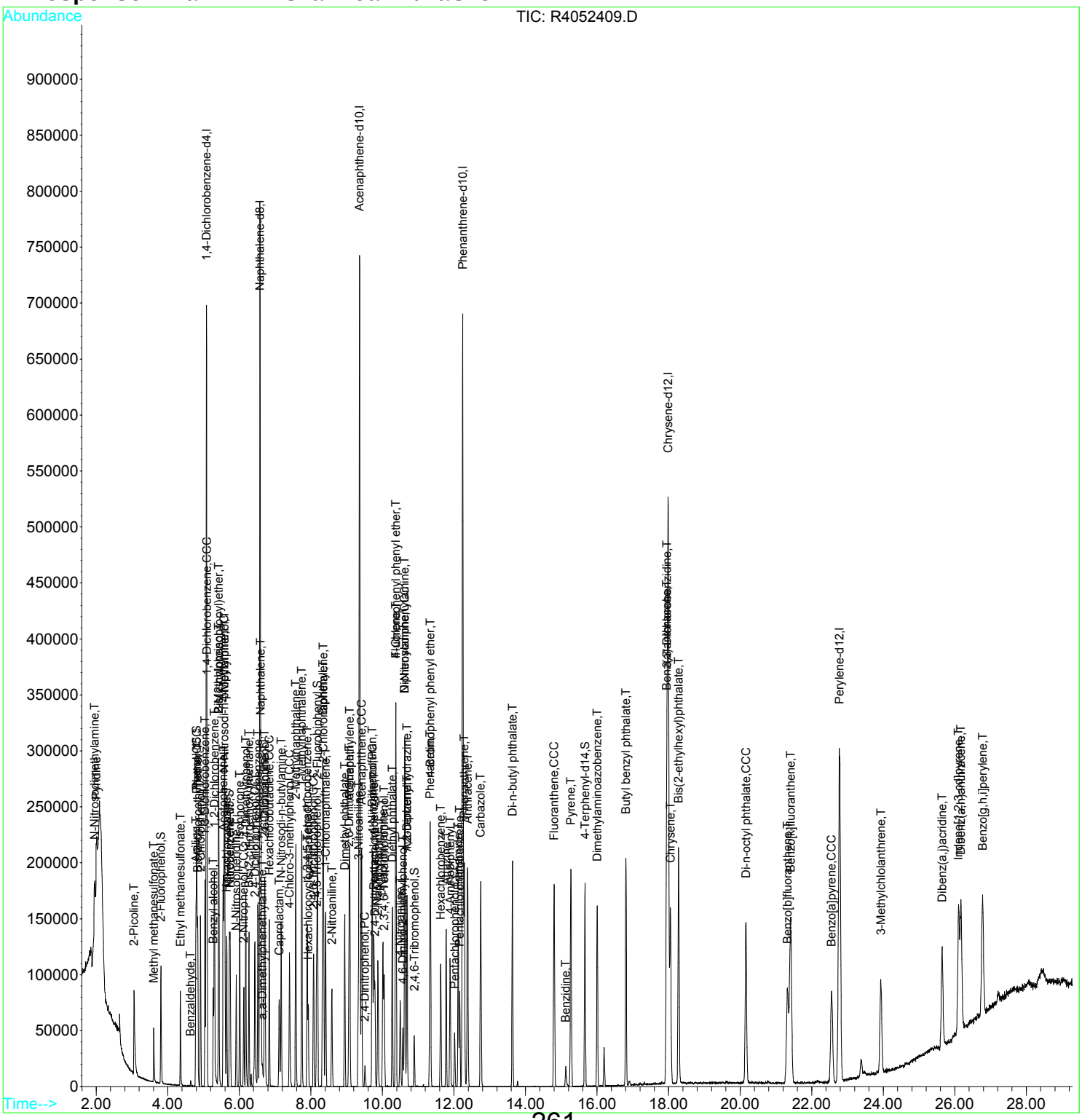
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.95	252	48367	9.86	ng		100
100)	Chrysene	18.05	228	150955	10.04	ng		100
101)	Bis(2-ethylhexyl)phthalate	18.28	149	120848	9.39	ng		100
102)	Di-n-octyl phthalate	20.16	149	194607	9.21	ng		100
103)	3-Methylchlolanthrene	23.93	268	72523	9.53	ng		100
104)	Indeno[1,2,3-cd]pyrene	26.11	276	158421	9.60	ng	#	100
106)	Benzo[b]fluoranthene	21.31	252	139013	9.54	ng		100
107)	Benzo[k]fluoranthene	21.42	252	142061m	10.14	ng		
108)	Benzo[a]pyrene	22.55	252	130507	9.63	ng		100
109)	Dibenz(a,j)acridine	25.64	279	108763	9.54	ng		100
110)	Dibenz(a,h)anthracene	26.17	278	135485	9.86	ng		100
111)	Benzo[g,h,i]perylene	26.77	276	130413	9.65	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: B052404.RES

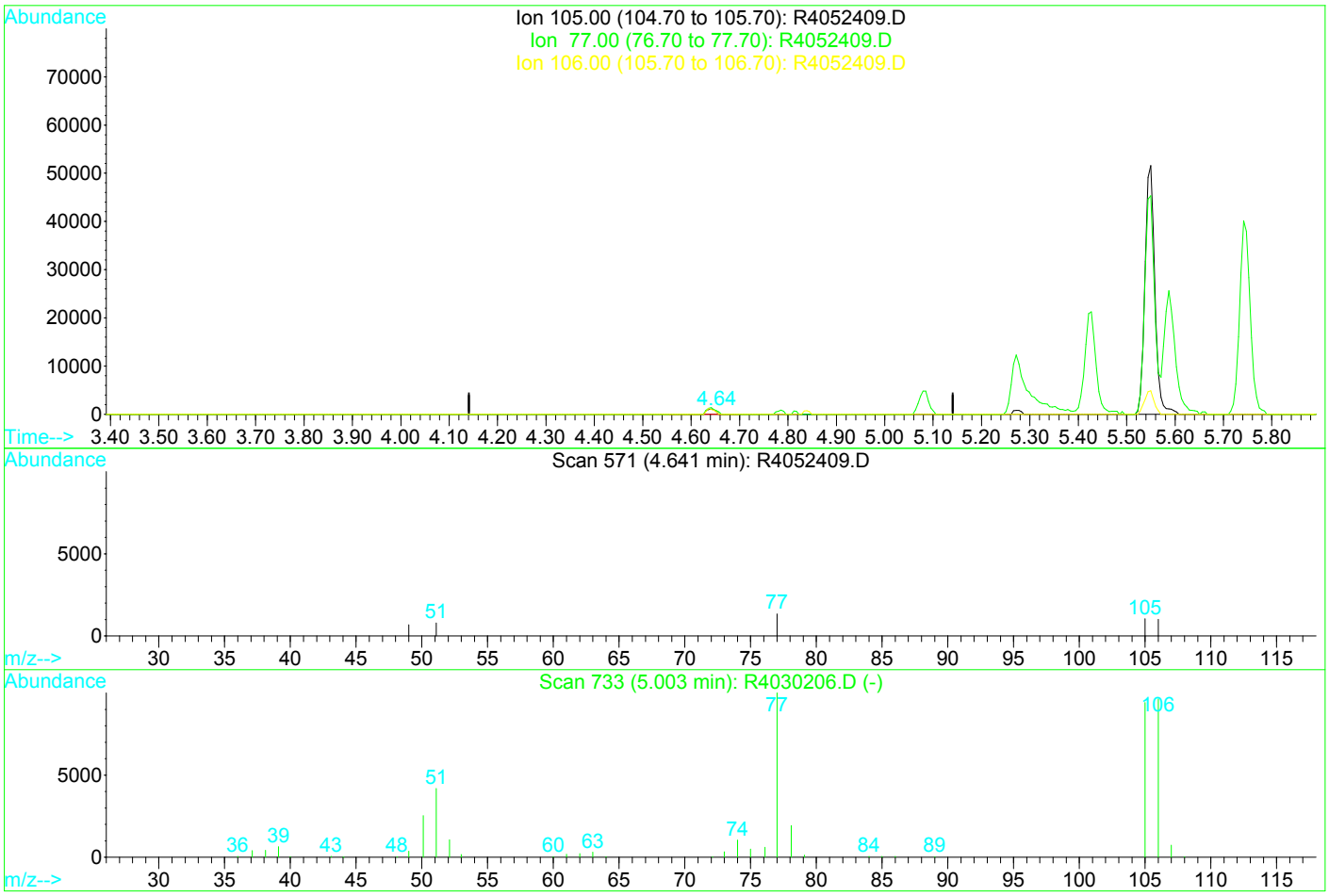
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052409.D

(7) Benzaldehyde (T)

4.64min 3.06ng m

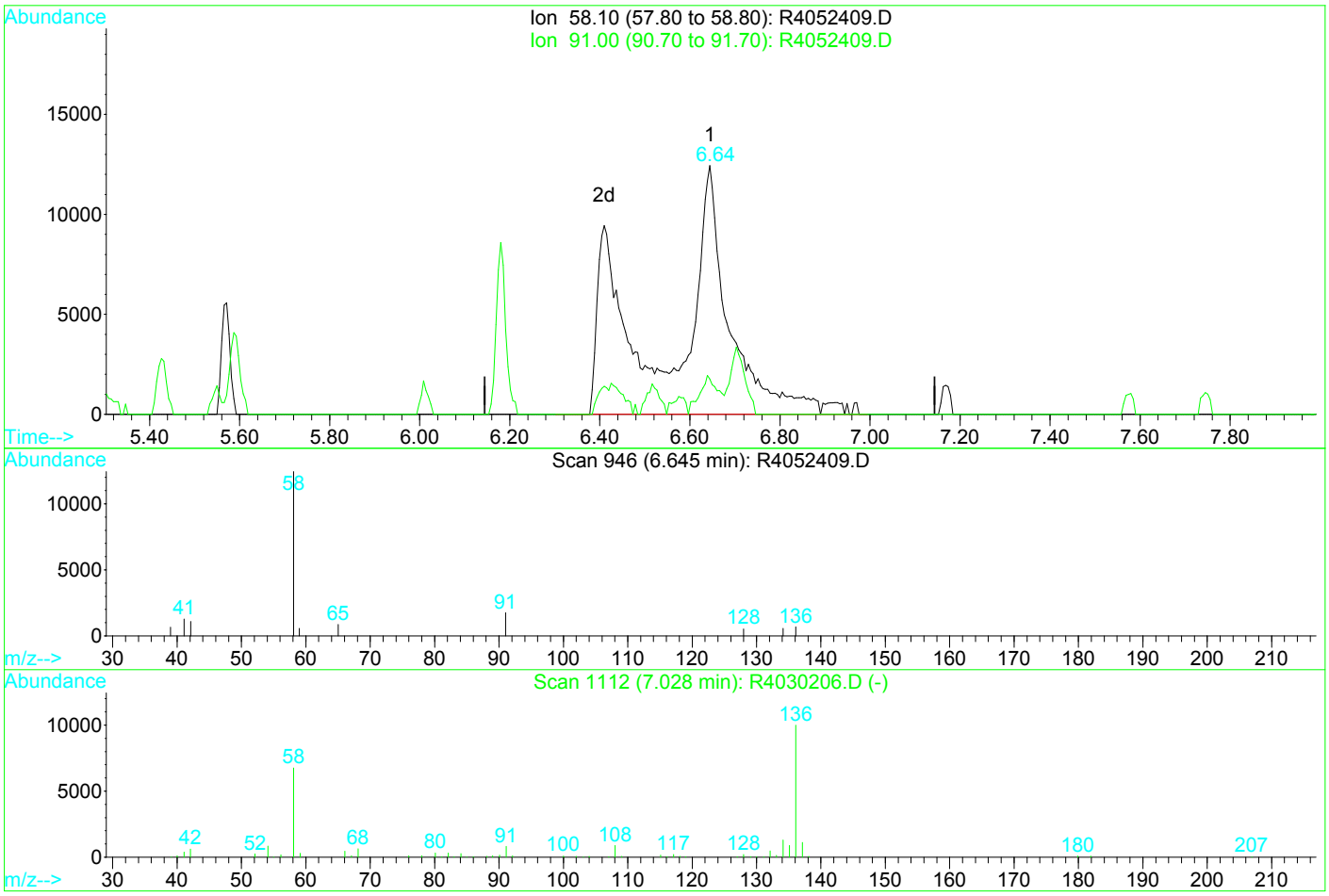
response 1373

Ion	Exp%	Act%
105.00	100	100
77.00	0.00	0.00
106.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052409.D

(39) a,a-Dimethylphenethylamine (T)

6.64min 9.18ng m

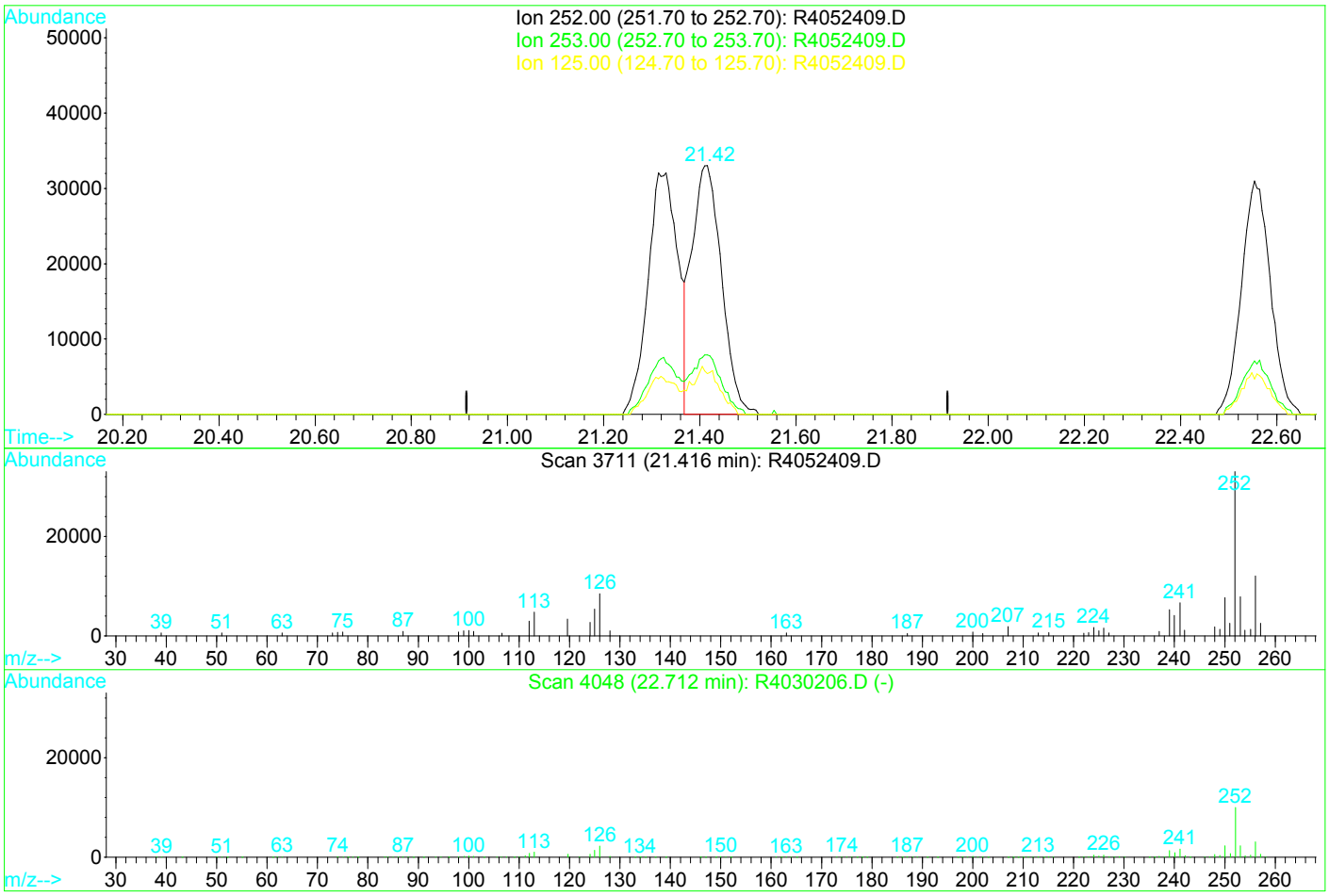
response 110047

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	5.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052409.D Vial: 2
Acq On : 24 May 2004 3:27 pm Operator: YH
Sample : BNA10 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:04 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052409.D

(107) Benzo[k]fluoranthene (T)

21.42min 10.14ng m

response 142061

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.68
125.00	14.30	14.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	126447	40.00	ng	0.00
23) Naphthalene-d8	6.57	136	477207	40.00	ng	0.00
45) Acenaphthene-d10	9.36	164	273570	40.00	ng	0.00
73) Phenanthrene-d10	12.24	188	452746	40.00	ng	0.00
92) Chrysene-d12	17.98	240	386849	40.00	ng	-0.01
105) Perylene-d12	22.77	264	334820	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.80	112	80985	19.49	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 19.49%#			
9) Phenol-d5	4.80	99	109780	20.12	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 20.12%			
24) Nitrobenzene-d5	5.72	82	113221	19.77	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 39.54%			
50) 2-Fluorobiphenyl	8.18	172	197950	20.29	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 40.58%#			
72) 2,4,6-Tribromophenol	10.88	330	14547	18.97	ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 18.97%			
94) 4-Terphenyl-d14	15.66	244	199314	20.14	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 40.28%			
Target Compounds						Qvalue
2) Pyridine	1.97	79	97338	19.77	ng	# 83
3) 2-Picoline	3.04	93	77913	19.60	ng	99
4) Methyl methanesulfonate	3.60	80	44774	19.43	ng	98
6) Ethyl methanesulfonate	4.35	79	76685	19.56	ng	100
7) Benzaldehyde	4.63	105	4536	10.90	ng	# 100
8) Aniline	4.78	66	62517	20.95	ng	97
10) Phenol	4.81	94	133679	20.33	ng	99
11) Bis(2-chloroethyl)ether	4.83	63	83903	19.94	ng	95
12) 2-Chlorophenol	4.91	128	93317	20.04	ng	99
13) 1,3-Dichlorobenzene	5.04	146	102665	20.23	ng	99
14) 1,4-Dichlorobenzene	5.09	146	103164	20.18	ng	99
15) 1,2-Dichlorobenzene	5.30	146	98910	20.44	ng	99
16) Benzyl alcohol	5.27	108	59811	19.38	ng	98
17) Bis(2-chloroisopropyl)ethe	5.41	45	148129	20.09	ng	100
18) 2-Methylphenol	5.42	107	79180	19.98	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.59	107	197114	40.45	ng		98
20)	N-Nitrosodi-n-propylamine	5.56	70	76852	19.71	ng		97
21)	N-Nitrosodimethylamine	1.93	42	46704	19.21	ng		95
22)	Hexachloroethane	5.64	117	42363	19.79	ng		99
25)	Acetophenone	5.54	105	135725	20.12	ng		99
26)	Nitrobenzene	5.74	77	112815	20.13	ng		98
27)	N-Nitrosopiperidine	5.91	114	45824	19.72	ng		98
28)	Isophorone	6.01	82	196359	20.08	ng		100
29)	2-Nitrophenol	6.12	139	45057	18.82	ng		99
30)	2,4-Dimethylphenol	6.17	122	82340	20.10	ng		99
31)	Bis(2-chloroethoxy)methane	6.27	93	117882	20.15	ng		100
32)	2,4-Dichlorophenol	6.43	162	70366	19.76	ng		98
33)	1,2,4-Trichlorobenzene	6.52	180	76867	20.23	ng		98
34)	Naphthalene	6.60	128	272811	20.60	ng		100
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.71	162	69246	20.10	ng		99
37)	4-Chloroaniline	6.70	127	111431	21.20	ng		93
38)	Hexachlorobutadiene	6.84	225	42275	20.16	ng		99
39)	a,a-Dimethylphenethylamine	6.70	58	224929m	20.27	ng		
40)	Caprolactam	7.12	55	46977	16.83	ng		97
41)	4-Chloro-3-methylphenol	7.40	107	84475	19.75	ng		100
42)	N-Nitrosodi-n-butylamine	7.17	84	74071	16.72	ng		98
43)	2-Methylnaphthalene	7.57	142	186901	20.31	ng		99
44)	1-Methylnaphthalene	7.74	142	186463	20.17	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.89	216	71676	19.85	ng		99
47)	Hexachlorocyclopentadiene	7.93	237	33125	18.24	ng		97
48)	2,4,6-Trichlorophenol	8.07	196	47998	19.45	ng		99
49)	2,4,5-Trichlorophenol	8.16	196	51178	19.70	ng		99
51)	Biphenyl	8.33	154	251502	20.32	ng		99
52)	2-Chloronaphthalene	8.35	162	183888	20.26	ng		99
53)	1-Chloronaphthalene	8.41	162	142234	19.98	ng		100
54)	2-Nitroaniline	8.58	65	58796	18.71	ng		98
55)	3-Nitroaniline	9.33	138	46899	18.82	ng	#	87
56)	Pentachlorobenzene	9.75	250	57428	20.13	ng		98
57)	4-Nitroaniline	10.50	138	47892	18.91	ng		97
58)	2-Naphthylamine	9.87	143	157731	19.73	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	10.01	143	173541	20.78	ng	98
60)	Dimethyl phthalate	8.94	163	194074	19.90	ng	100
61)	Acenaphthylene	9.08	152	284562	20.48	ng	100
62)	2,6-Dinitrotoluene	9.06	165	41415	19.25	ng	96
63)	Acenaphthene	9.42	154	161510	20.08	ng	99
64)	2,4-Dinitrophenol	9.51	184	13428	20.41	ng	92
65)	Dibenzofuran	9.71	168	242031	20.39	ng	98
66)	4-Nitrophenol	9.72	65	41009	17.98	ng	93
67)	2,4-Dinitrotoluene	9.78	165	54245	19.08	ng	99
68)	2,3,4,6-Tetrachlorophenol	10.05	232	36274	19.03	ng	98
69)	Diethyl phthalate	10.27	149	199200	20.02	ng	100
70)	Fluorene	10.37	166	196549	20.20	ng	99
71)	4-Chlorophenyl phenyl ethe	10.37	204	88624	20.35	ng	99
74)	4,6-Dinitro-2-methylphenol	10.57	198	28658	17.08	ng	97
75)	Azobenzene	10.68	77	252228	19.98	ng	99
76)	1,2-Diphenylhydrazine	10.68	182	54930	19.86	ng	100
77)	Diphenylamine	10.62	170	34588	20.13	ng	100
78)	N-Nitrosodiphenylamine	10.62	168	169541	20.01	ng	99
79)	4-Bromophenyl phenyl ether	11.33	248	48770	19.91	ng	99
80)	Phenacetin	11.32	108	108010	19.14	ng	99
81)	Hexachlorobenzene	11.63	284	43519	19.87	ng	99
82)	Atrazine	11.78	200	53998	20.35	ng	99
83)	4-Aminobiphenyl	11.88	169	165461	19.68	ng	100
84)	Pentachlorophenol	12.01	266	22486	17.12	ng	92
85)	Pentachloronitrobenzene	12.16	237	22341	19.38	ng	98
86)	Pronamide	12.11	173	81008	19.44	ng	98
87)	Phenanthrene	12.28	178	277037	20.25	ng	99
88)	Anthracene	12.38	178	297554	20.28	ng	100
89)	Carbazole	12.74	167	290119	20.05	ng	98
90)	Di-n-butyl phthalate	13.63	149	358121	19.81	ng	100
91)	Fluoranthene	14.80	202	307869	20.06	ng	99
93)	Pyrene	15.26	202	324230	20.38	ng	99
95)	Benzidine	15.12	184	31600	14.89	ng	97
96)	Dimethylaminoazobenzene	16.00	225	64809	19.49	ng	100
97)	Butyl benzyl phthalate	16.80	149	167905	19.54	ng	99
98)	Benz(a)anthracene	17.94	228	296087	20.03	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

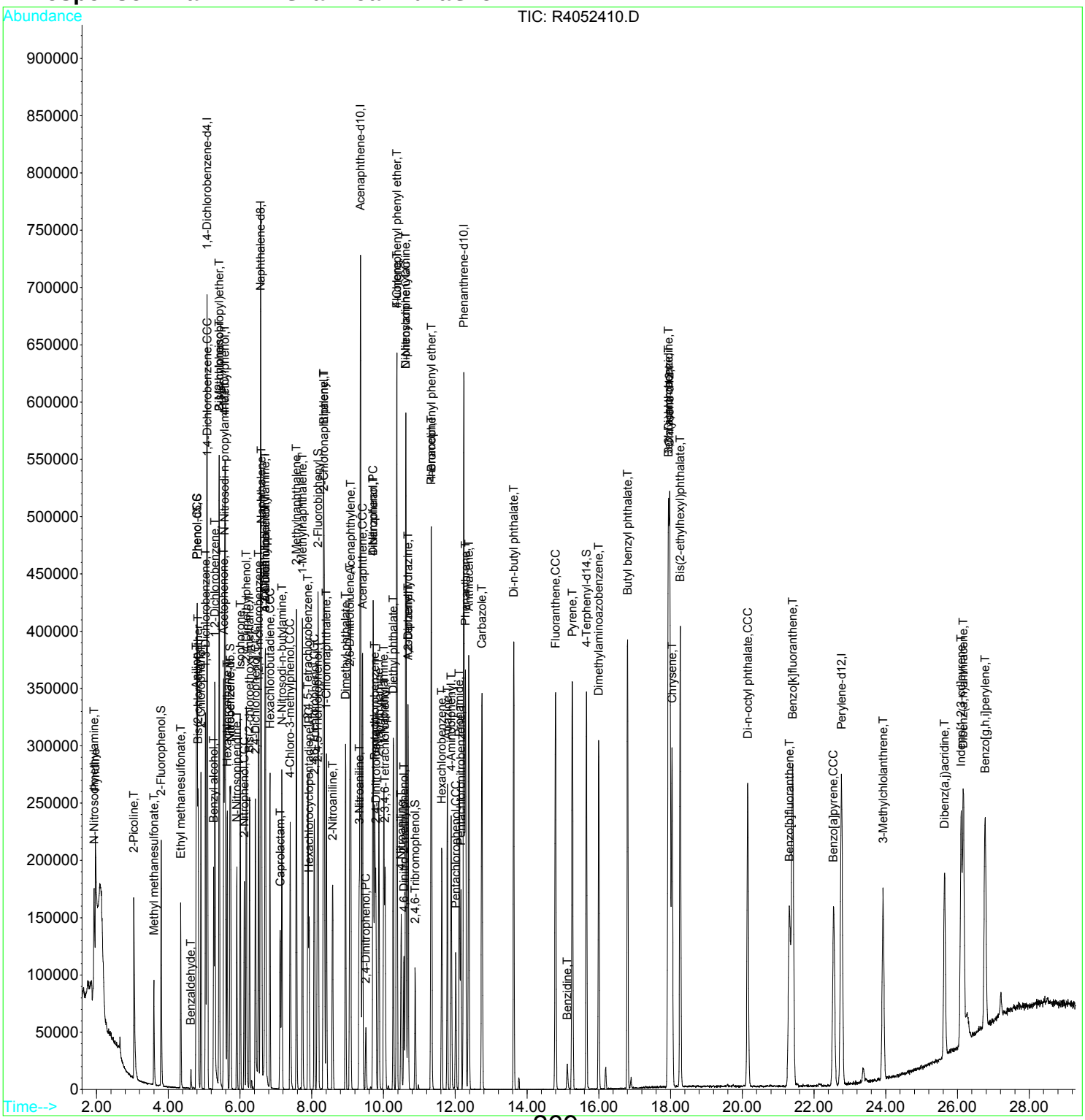
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.94	252	85878	19.16	ng		98
100)	Chrysene	18.04	228	276591	20.14	ng		100
101)	Bis(2-ethylhexyl)phthalate	18.27	149	229147	19.49	ng		100
102)	Di-n-octyl phthalate	20.15	149	364675	18.88	ng		98
103)	3-Methylchlolanthrene	23.93	268	131238	18.88	ng		99
104)	Indeno[1,2,3-cd]pyrene	26.10	276	280764	18.61	ng	#	97
106)	Benzo[b]fluoranthene	21.31	252	254959	19.50	ng		99
107)	Benzo[k]fluoranthene	21.41	252	244937m	19.49	ng		
108)	Benzo[a]pyrene	22.54	252	239113	19.66	ng		93
109)	Dibenz(a,j)acridine	25.64	279	194876	19.05	ng		99
110)	Dibenz(a,h)anthracene	26.17	278	240212	19.49	ng		100
111)	Benzo[g,h,i]perylene	26.77	276	233431	19.27	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: B052404.RES

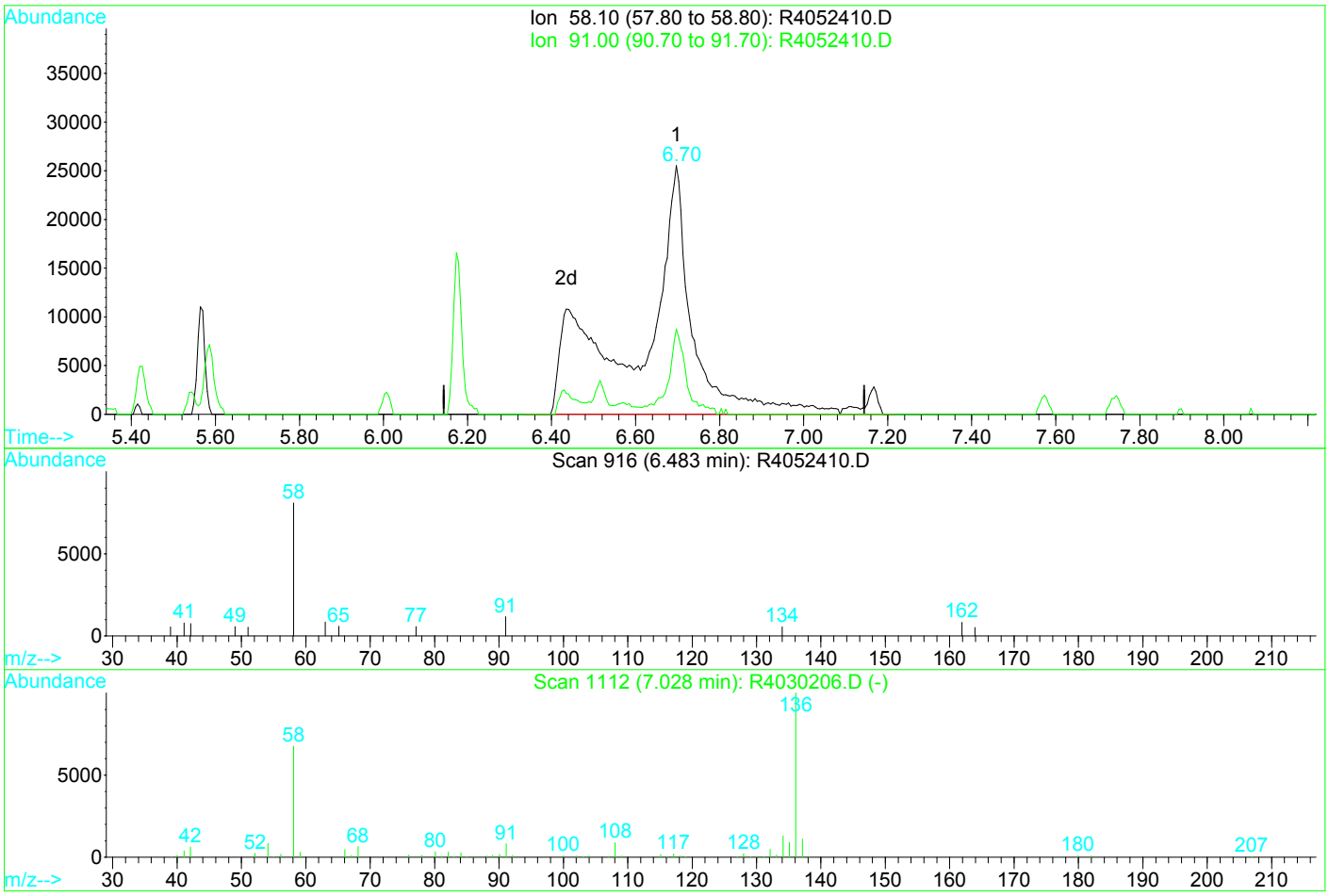
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052410.D

(39) a,a-Dimethylphenethylamine (T)

6.70min 20.27ng m

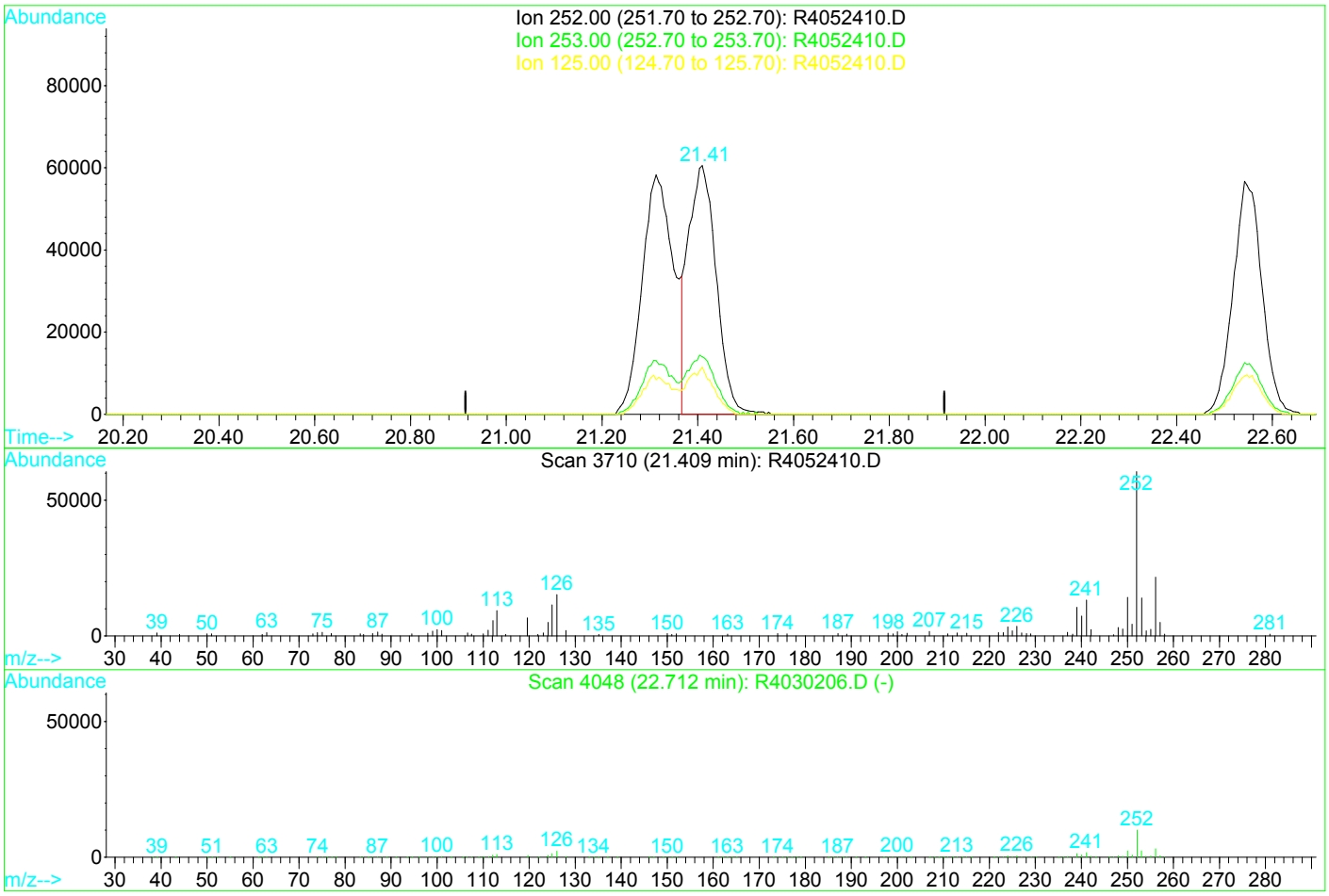
response 224929

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	11.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052410.D Vial: 3
Acq On : 24 May 2004 4:04 pm Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:05 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052410.D

(107) Benzo[k]fluoranthene (T)

21.41min 19.49ng m

response 244937

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.95
125.00	14.30	16.87
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.09	152	120961	40.00	ng	0.00
23) Naphthalene-d8	6.59	136	465327	40.00	ng	0.02
45) Acenaphthene-d10	9.38	164	260823	40.00	ng	0.02
73) Phenanthrene-d10	12.26	188	425390	40.00	ng	0.02
92) Chrysene-d12	18.01	240	359711	40.00	ng	0.02
105) Perylene-d12	22.80	264	312687	40.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.81	112	157835	39.71	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 39.71%			
9) Phenol-d5	4.81	99	208372	39.93	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 39.93%			
24) Nitrobenzene-d5	5.74	82	218969	39.22	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 78.44%			
50) 2-Fluorobiphenyl	8.20	172	373043	40.11	ng	0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 80.22%			
72) 2,4,6-Tribromophenol	10.91	330	28037	38.34	ng	0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 38.34%			
94) 4-Terphenyl-d14	15.68	244	365975	39.77	ng	0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 79.54%			
Target Compounds						Qvalue
2) Pyridine	1.96	79	185822	39.45	ng	# 93
3) 2-Picoline	3.04	93	149493	39.32	ng	99
4) Methyl methanesulfonate	3.60	80	88010	39.93	ng	100
6) Ethyl methanesulfonate	4.36	79	148679	39.64	ng	99
7) Benzaldehyde	4.64	105	14893	37.42	ng	# 100
8) Aniline	4.80	66	104954	36.76	ng	92
10) Phenol	4.82	94	255866	40.68	ng	96
11) Bis(2-chloroethyl)ether	4.84	63	161641	40.16	ng	96
12) 2-Chlorophenol	4.92	128	176509	39.63	ng	98
13) 1,3-Dichlorobenzene	5.05	146	193491	39.85	ng	99
14) 1,4-Dichlorobenzene	5.11	146	197747	40.43	ng	99
15) 1,2-Dichlorobenzene	5.31	146	186627	40.32	ng	99
16) Benzyl alcohol	5.28	108	117176	39.69	ng	98
17) Bis(2-chloroisopropyl)ethe	5.43	45	283911	40.26	ng	99
18) 2-Methylphenol	5.44	107	152145	40.13	ng	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.60	107	380103	81.54	ng		96
20)	N-Nitrosodi-n-propylamine	5.59	70	148118	39.71	ng		97
21)	N-Nitrosodimethylamine	1.93	42	91006	39.14	ng		99
22)	Hexachloroethane	5.66	117	81611	39.86	ng		99
25)	Acetophenone	5.56	105	261091	39.69	ng		99
26)	Nitrobenzene	5.76	77	214174	39.19	ng		97
27)	N-Nitrosopiperidine	5.93	114	88814	39.20	ng		97
28)	Isophorone	6.02	82	380225	39.88	ng		100
29)	2-Nitrophenol	6.14	139	92141	39.46	ng		98
30)	2,4-Dimethylphenol	6.19	122	159419	39.91	ng		99
31)	Bis(2-chloroethoxy)methane	6.29	93	226135	39.65	ng		100
32)	2,4-Dichlorophenol	6.45	162	138111	39.77	ng		99
33)	1,2,4-Trichlorobenzene	6.53	180	146804	39.63	ng		99
34)	Naphthalene	6.62	128	514936	39.87	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.73	162	133620	39.78	ng		99
37)	4-Chloroaniline	6.71	127	203049	39.62	ng		99
38)	Hexachlorobutadiene	6.85	225	80234	39.24	ng		99
39)	a,a-Dimethylphenethylamine	6.80	58	419460m	38.76	ng		
40)	Caprolactam	7.16	55	112123	41.19	ng	#	67
41)	4-Chloro-3-methylphenol	7.42	107	162304	38.91	ng		100
42)	N-Nitrosodi-n-butylamine	7.18	84	182868	42.34	ng		86
43)	2-Methylnaphthalene	7.59	142	357890	39.88	ng		98
44)	1-Methylnaphthalene	7.76	142	359274	39.85	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.92	216	138114	40.12	ng		98
47)	Hexachlorocyclopentadiene	7.95	237	68474	39.55	ng		96
48)	2,4,6-Trichlorophenol	8.09	196	92441	39.30	ng		99
49)	2,4,5-Trichlorophenol	8.17	196	95668	38.62	ng		99
51)	Biphenyl	8.35	154	475849	40.32	ng		99
52)	2-Chloronaphthalene	8.37	162	348722	40.29	ng		99
53)	1-Chloronaphthalene	8.43	162	272125	40.09	ng		99
54)	2-Nitroaniline	8.60	65	115997	38.72	ng		99
55)	3-Nitroaniline	9.34	138	92173	38.79	ng	#	85
56)	Pentachlorobenzene	9.78	250	107795	39.63	ng		98
57)	4-Nitroaniline	10.52	138	92040	38.11	ng		98
58)	2-Naphthylamine	9.89	143	308488	40.46	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	10.03	143	309898	38.93	ng	97
60)	Dimethyl phthalate	8.96	163	368590	39.65	ng	99
61)	Acenaphthylene	9.10	152	532991	40.23	ng	99
62)	2,6-Dinitrotoluene	9.08	165	80326	39.17	ng	97
63)	Acenaphthene	9.43	154	305971	39.89	ng	99
64)	2,4-Dinitrophenol	9.53	184	34105	36.57	ng	97
65)	Dibenzofuran	9.73	168	453966	40.11	ng	96
66)	4-Nitrophenol	9.73	65	79979	36.79	ng	94
67)	2,4-Dinitrotoluene	9.81	165	105275	38.84	ng	99
68)	2,3,4,6-Tetrachlorophenol	10.07	232	68986	37.96	ng	98
69)	Diethyl phthalate	10.30	149	374610	39.49	ng	99
70)	Fluorene	10.39	166	367223	39.58	ng	99
71)	4-Chlorophenyl phenyl ethe	10.40	204	164201	39.55	ng	100
74)	4,6-Dinitro-2-methylphenol	10.59	198	60271	38.24	ng	96
75)	Azobenzene	10.70	77	478195	40.32	ng	99
76)	1,2-Diphenylhydrazine	10.71	182	105308	40.52	ng	98
77)	Diphenylamine	10.64	170	63862	39.57	ng	99
78)	N-Nitrosodiphenylamine	10.64	168	314071	39.46	ng	100
79)	4-Bromophenyl phenyl ether	11.36	248	91399	39.71	ng	98
80)	Phenacetin	11.35	108	208025	39.23	ng	99
81)	Hexachlorobenzene	11.65	284	82503	40.08	ng	99
82)	Atrazine	11.81	200	99183	39.79	ng	99
83)	4-Aminobiphenyl	11.91	169	316272	40.04	ng	99
84)	Pentachlorophenol	12.04	266	47218	38.26	ng	93
85)	Pentachloronitrobenzene	12.18	237	42410	39.16	ng	99
86)	Pronamide	12.14	173	153817	39.29	ng	99
87)	Phenanthrene	12.31	178	510957	39.75	ng	99
88)	Anthracene	12.40	178	550765	39.95	ng	99
89)	Carbazole	12.77	167	534211	39.29	ng	98
90)	Di-n-butyl phthalate	13.65	149	679489	40.01	ng	99
91)	Fluoranthene	14.82	202	571774	39.66	ng	99
93)	Pyrene	15.29	202	599371	40.51	ng	99
95)	Benzidine	15.14	184	65030	32.96	ng	95
96)	Dimethylaminoazobenzene	16.02	225	123896	40.07	ng	100
97)	Butyl benzyl phthalate	16.83	149	317769	39.77	ng	100
98)	Benz(a)anthracene	17.97	228	544887	39.64	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

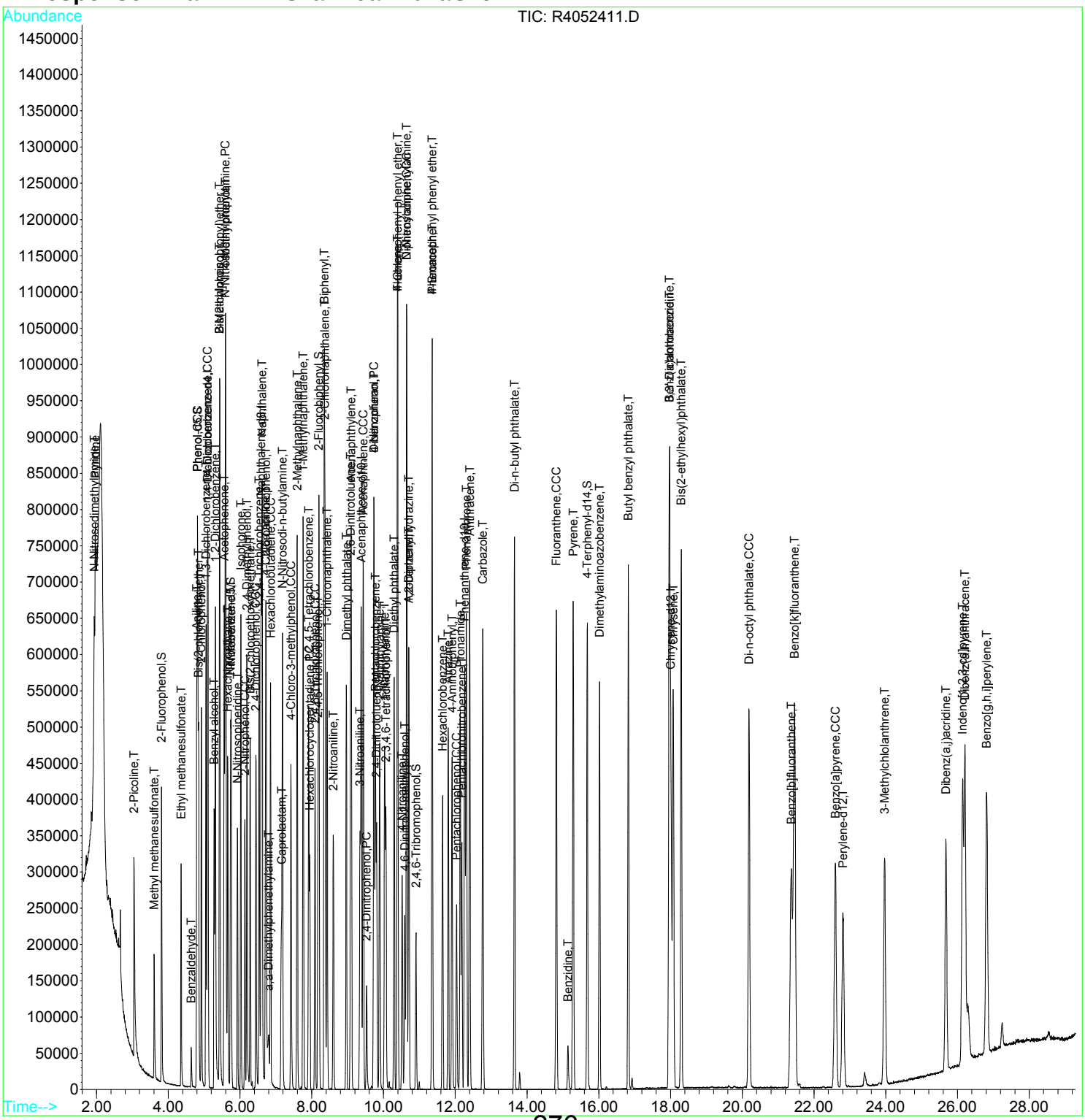
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.97	252	157771	37.85	ng		98
100)	Chrysene	18.08	228	506838	39.68	ng		99
101)	Bis(2-ethylhexyl)phthalate	18.30	149	431808	39.50	ng		100
102)	Di-n-octyl phthalate	20.19	149	704621	39.24	ng		97
103)	3-Methylchlolanthrene	23.97	268	245973	38.05	ng		97
104)	Indeno[1,2,3-cd]pyrene	26.14	276	544606	38.83	ng	#	95
106)	Benzo[b]fluoranthene	21.37	252	476330	39.01	ng		99
107)	Benzo[k]fluoranthene	21.46	252	487709m	41.56	ng		
108)	Benzo[a]pyrene	22.60	252	449662	39.59	ng		92
109)	Dibenz(a,j)acridine	25.68	279	377245	39.49	ng		99
110)	Dibenz(a,h)anthracene	26.21	278	457577	39.76	ng		99
111)	Benzo[g,h,i]perylene	26.81	276	450415	39.80	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: B052404.RES

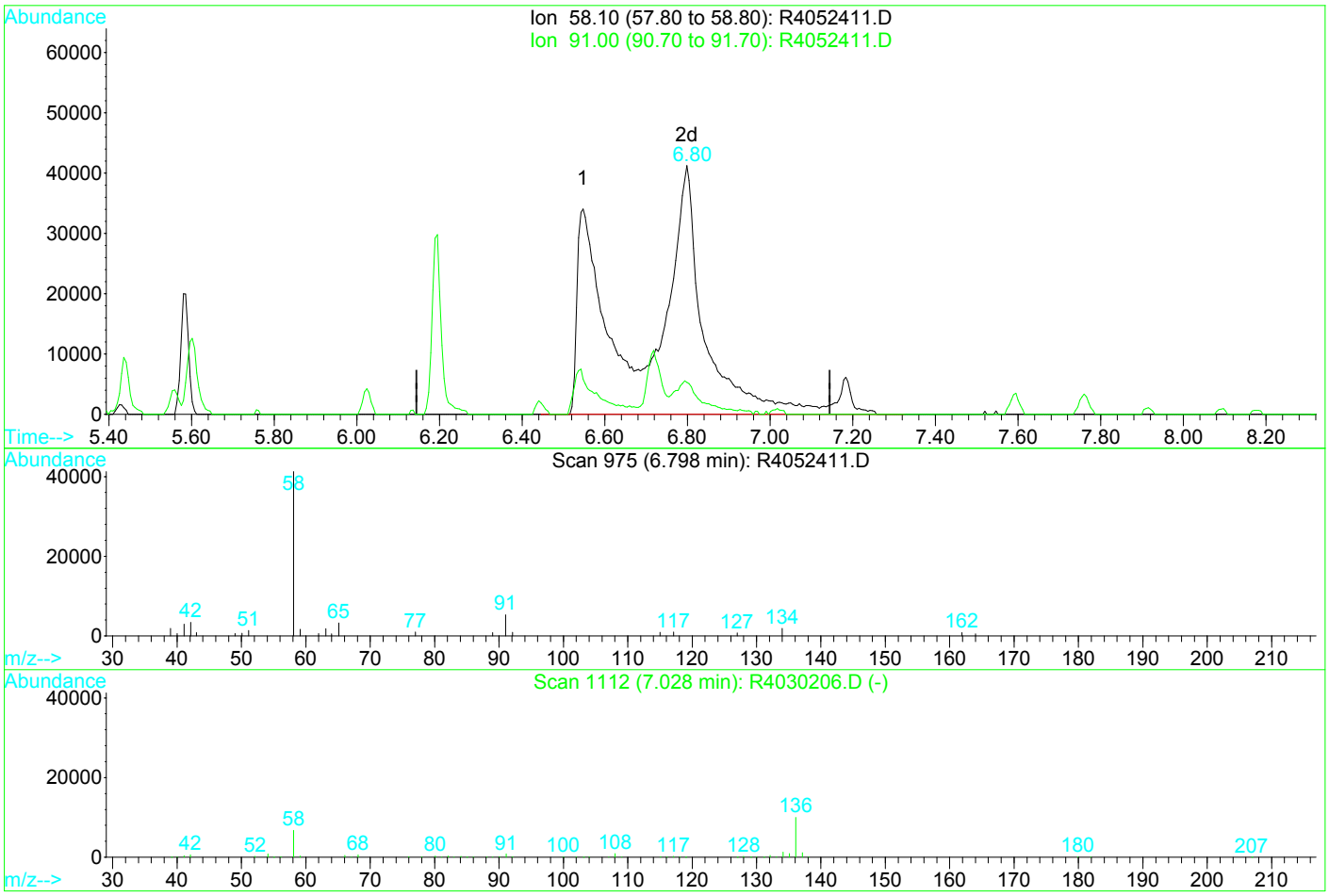
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052411.D

(39) a,a-Dimethylphenethylamine (T)

6.80min 38.76ng m

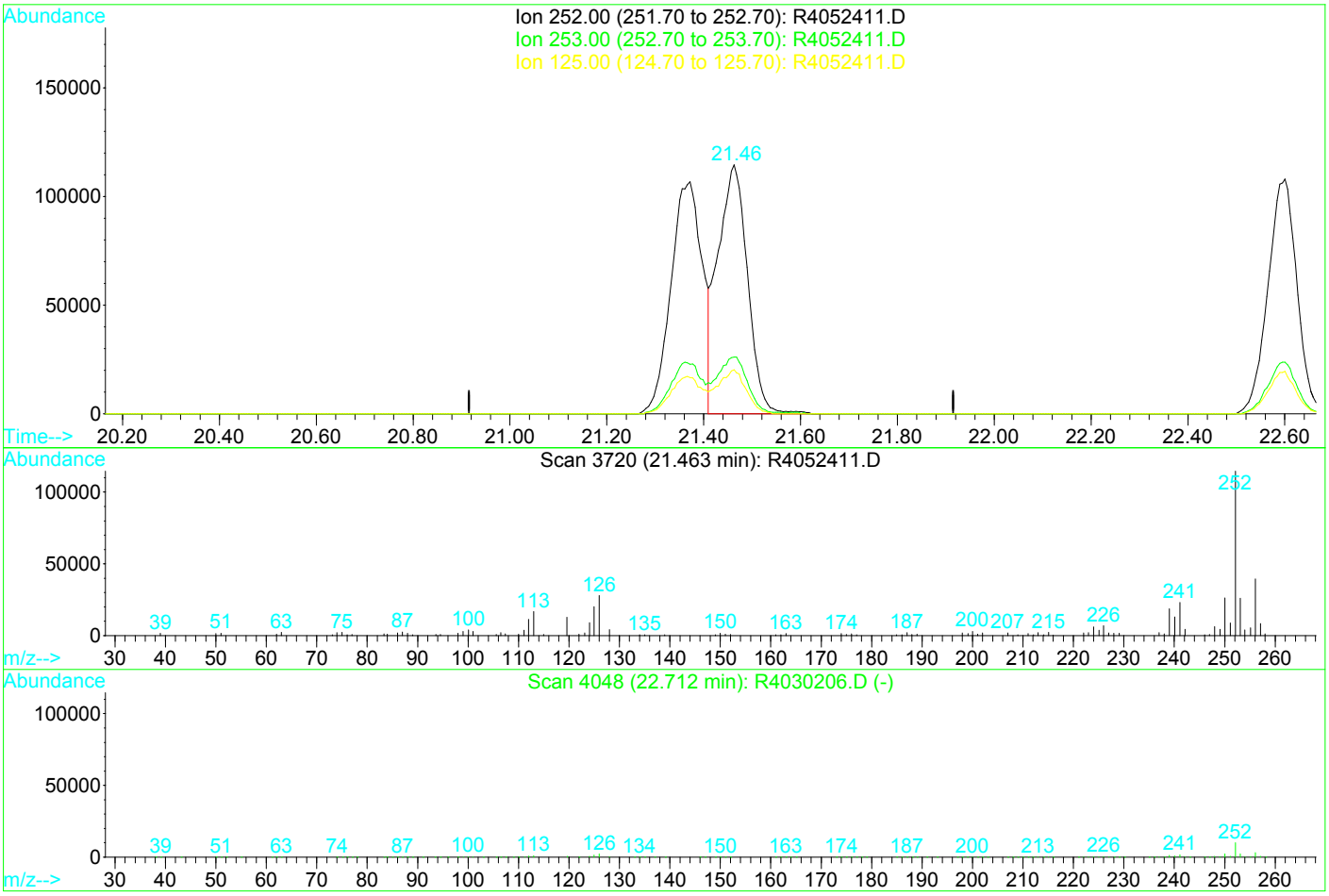
response 419460

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	6.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052411.D Vial: 4
Acq On : 24 May 2004 4:41 pm Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:17 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052411.D

(107) Benzo[k]fluoranthene (T)

21.46min 41.56ng m

response 487709

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.76
125.00	14.30	15.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.09	152	116227	40.00	ng	0.00
23) Naphthalene-d8	6.58	136	443920	40.00	ng	0.00
45) Acenaphthene-d10	9.37	164	255053	40.00	ng	0.00
73) Phenanthrene-d10	12.26	188	422751	40.00	ng	0.01
92) Chrysene-d12	18.00	240	369820	40.00	ng	0.00
105) Perylene-d12	22.79	264	331455	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.81	112	236647	61.96	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 61.96%			
9) Phenol-d5	4.81	99	313010	62.42	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 62.42%			
24) Nitrobenzene-d5	5.73	82	328672	61.71	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 123.42%#			
50) 2-Fluorobiphenyl	8.19	172	545607	59.99	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 119.98%#			
72) 2,4,6-Tribromophenol	10.90	330	43932	61.44	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 61.44%			
94) 4-Terphenyl-d14	15.67	244	577999	61.09	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 122.18%			
Target Compounds						Qvalue
2) Pyridine	1.96	79	277669	61.35	ng	# 86
3) 2-Picoline	3.04	93	227073	62.15	ng	99
4) Methyl methanesulfonate	3.60	80	130906	61.81	ng	99
6) Ethyl methanesulfonate	4.35	79	222528	61.75	ng	99
7) Benzaldehyde	4.63	105	28267	73.92	ng	# 100
8) Aniline	4.79	66	172680	62.95	ng	95
10) Phenol	4.82	94	372563	61.64	ng	99
11) Bis(2-chloroethyl)ether	4.84	63	240402	62.17	ng	95
12) 2-Chlorophenol	4.92	128	263854	61.65	ng	98
13) 1,3-Dichlorobenzene	5.04	146	286625	61.43	ng	99
14) 1,4-Dichlorobenzene	5.10	146	284664	60.57	ng	99
15) 1,2-Dichlorobenzene	5.31	146	272342	61.23	ng	99
16) Benzyl alcohol	5.27	108	175684	61.93	ng	97
17) Bis(2-chloroisopropyl)ethe	5.42	45	414823	61.21	ng	99
18) 2-Methylphenol	5.43	107	223658	61.40	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.59	107	549618	122.71	ng		98
20)	N-Nitrosodi-n-propylamine	5.58	70	221174	61.71	ng		97
21)	N-Nitrosodimethylamine	1.93	42	138353	61.92	ng		97
22)	Hexachloroethane	5.65	117	119906	60.95	ng		99
25)	Acetophenone	5.55	105	385222	61.38	ng		99
26)	Nitrobenzene	5.75	77	320561	61.48	ng		98
27)	N-Nitrosopiperidine	5.93	114	131911	61.04	ng		96
28)	Isophorone	6.02	82	561738	61.75	ng		99
29)	2-Nitrophenol	6.13	139	139222	62.50	ng		98
30)	2,4-Dimethylphenol	6.19	122	233023	61.15	ng		99
31)	Bis(2-chloroethoxy)methane	6.28	93	335375	61.63	ng		99
32)	2,4-Dichlorophenol	6.44	162	206363	62.28	ng		98
33)	1,2,4-Trichlorobenzene	6.52	180	217544	61.55	ng		98
34)	Naphthalene	6.61	128	753669	61.16	ng		99
35)	Benzoic acid	6.31	122	27603	55.72	ng	#	1
36)	2,6-Dichlorophenol	6.72	162	196141	61.21	ng		99
37)	4-Chloroaniline	6.71	127	294655	60.26	ng		98
38)	Hexachlorobutadiene	6.84	225	118076	60.54	ng		98
39)	a,a-Dimethylphenethylamine	6.57	58	657132m	63.66	ng		
40)	Caprolactam	7.17	55	168707	64.97	ng	#	67
41)	4-Chloro-3-methylphenol	7.41	107	246776	62.02	ng		99
42)	N-Nitrosodi-n-butylamine	7.18	84	271542	65.90	ng		85
43)	2-Methylnaphthalene	7.58	142	527381	61.60	ng		98
44)	1-Methylnaphthalene	7.75	142	529147	61.53	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.91	216	201960	60.00	ng		98
47)	Hexachlorocyclopentadiene	7.93	237	106676	63.01	ng		97
48)	2,4,6-Trichlorophenol	8.08	196	140856	61.24	ng		99
49)	2,4,5-Trichlorophenol	8.17	196	148908	61.47	ng		97
51)	Biphenyl	8.34	154	693507	60.10	ng		99
52)	2-Chloronaphthalene	8.36	162	508124	60.04	ng		99
53)	1-Chloronaphthalene	8.42	162	395841	59.64	ng		98
54)	2-Nitroaniline	8.59	65	181449	61.94	ng		99
55)	3-Nitroaniline	9.34	138	145268	62.51	ng	#	85
56)	Pentachlorobenzene	9.77	250	160019	60.16	ng		97
57)	4-Nitroaniline	10.52	138	148028	62.68	ng		98
58)	2-Naphthylamine	9.89	143	472058	63.32	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	10.03	143	476741	61.24	ng	98
60)	Dimethyl phthalate	8.96	163	555202	61.08	ng	99
61)	Acenaphthylene	9.09	152	787653	60.80	ng	99
62)	2,6-Dinitrotoluene	9.07	165	126037	62.85	ng	95
63)	Acenaphthene	9.43	154	454729	60.63	ng	99
64)	2,4-Dinitrophenol	9.52	184	61685	58.54	ng	94
65)	Dibenzofuran	9.72	168	671982	60.71	ng	93
66)	4-Nitrophenol	9.73	65	133430	62.76	ng	91
67)	2,4-Dinitrotoluene	9.80	165	165340	62.38	ng	98
68)	2,3,4,6-Tetrachlorophenol	10.06	232	109663	61.70	ng	98
69)	Diethyl phthalate	10.29	149	566482	61.07	ng	99
70)	Fluorene	10.38	166	551615	60.80	ng	99
71)	4-Chlorophenyl phenyl ethe	10.39	204	243102	59.88	ng	99
74)	4,6-Dinitro-2-methylphenol	10.59	198	101883	65.04	ng	97
75)	Azobenzene	10.70	77	715346	60.70	ng	99
76)	1,2-Diphenylhydrazine	10.70	182	157718	61.07	ng	97
77)	Diphenylamine	10.64	170	96015	59.86	ng	99
78)	N-Nitrosodiphenylamine	10.64	168	469354	59.33	ng	99
79)	4-Bromophenyl phenyl ether	11.35	248	138293	60.46	ng	98
80)	Phenacetin	11.35	108	332354	63.07	ng	99
81)	Hexachlorobenzene	11.64	284	125033	61.12	ng	98
82)	Atrazine	11.80	200	153886	62.12	ng	99
83)	4-Aminobiphenyl	11.90	169	504293	64.24	ng	99
84)	Pentachlorophenol	12.03	266	80348	65.51	ng	94
85)	Pentachloronitrobenzene	12.18	237	66638	61.91	ng	99
86)	Pronamide	12.13	173	242266	62.27	ng	98
87)	Phenanthrene	12.30	178	778978	60.98	ng	99
88)	Anthracene	12.40	178	841097	61.39	ng	99
89)	Carbazole	12.76	167	834697	61.77	ng	98
90)	Di-n-butyl phthalate	13.65	149	1052219	62.35	ng	99
91)	Fluoranthene	14.81	202	884765	61.75	ng	98
93)	Pyrene	15.28	202	928994	61.07	ng	99
95)	Benzidine	15.13	184	124382	61.32	ng	94
96)	Dimethylaminoazobenzene	16.01	225	196539	61.83	ng	97
97)	Butyl benzyl phthalate	16.82	149	506163	61.62	ng	99
98)	Benz(a)anthracene	17.96	228	863784	61.12	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

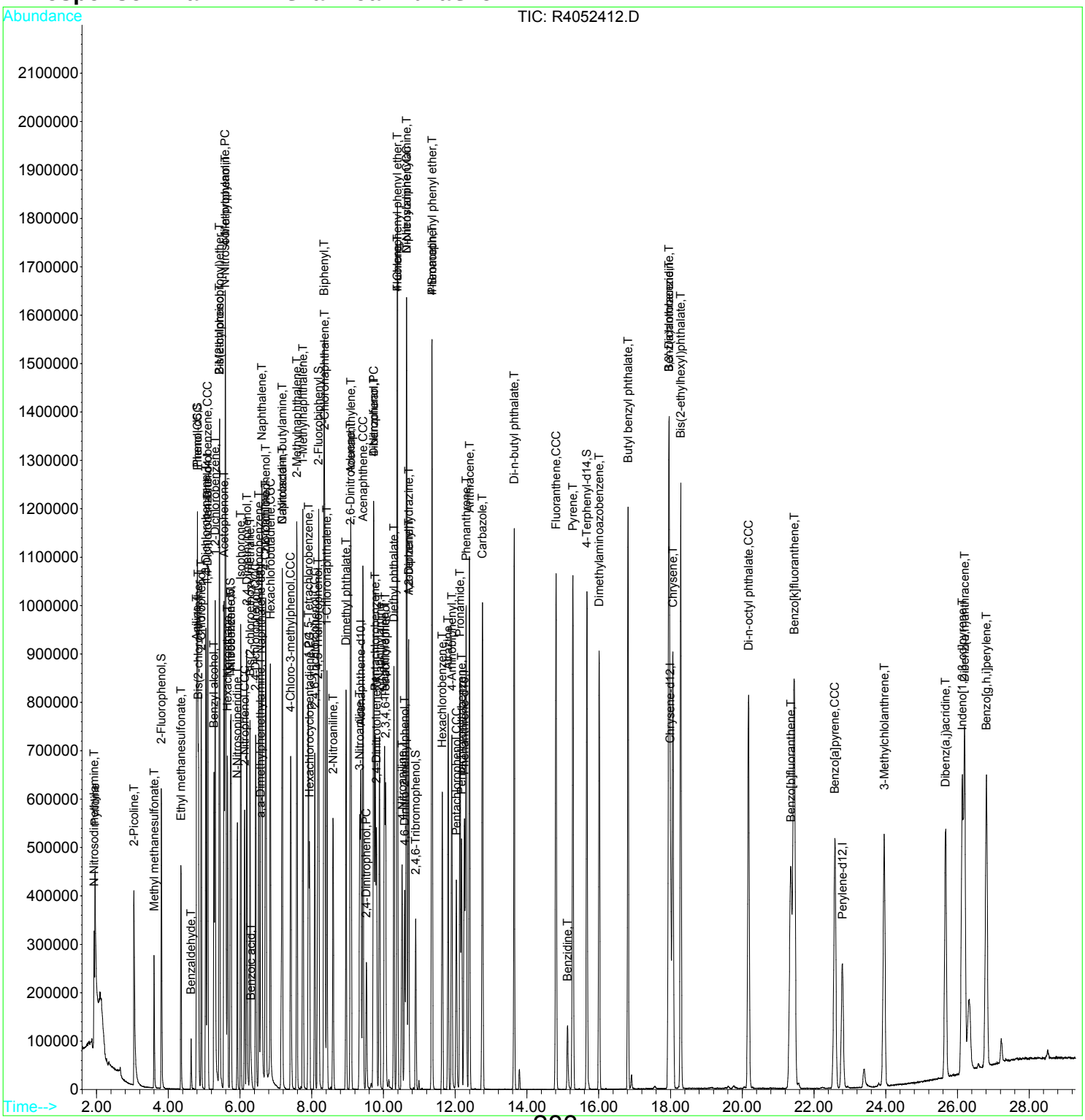
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.96	252	261337	60.99	ng		98
100)	Chrysene	18.07	228	803572	61.19	ng		99
101)	Bis(2-ethylhexyl)phthalate	18.29	149	695013	61.83	ng		99
102)	Di-n-octyl phthalate	20.18	149	1149276	62.25	ng		97
103)	3-Methylchlolanthrene	23.96	268	410192	61.71	ng		98
104)	Indeno[1,2,3-cd]pyrene	26.14	276	892236	61.88	ng	#	96
106)	Benzo[b]fluoranthene	21.35	252	782782	60.47	ng		97
107)	Benzo[k]fluoranthene	21.46	252	775652m	62.36	ng		
108)	Benzo[a]pyrene	22.59	252	743925	61.79	ng		93
109)	Dibenz(a,j)acridine	25.67	279	627920	62.01	ng		99
110)	Dibenz(a,h)anthracene	26.20	278	749111	61.41	ng		99
111)	Benzo[g,h,i]perylene	26.81	276	740300	61.72	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: B052404.RES

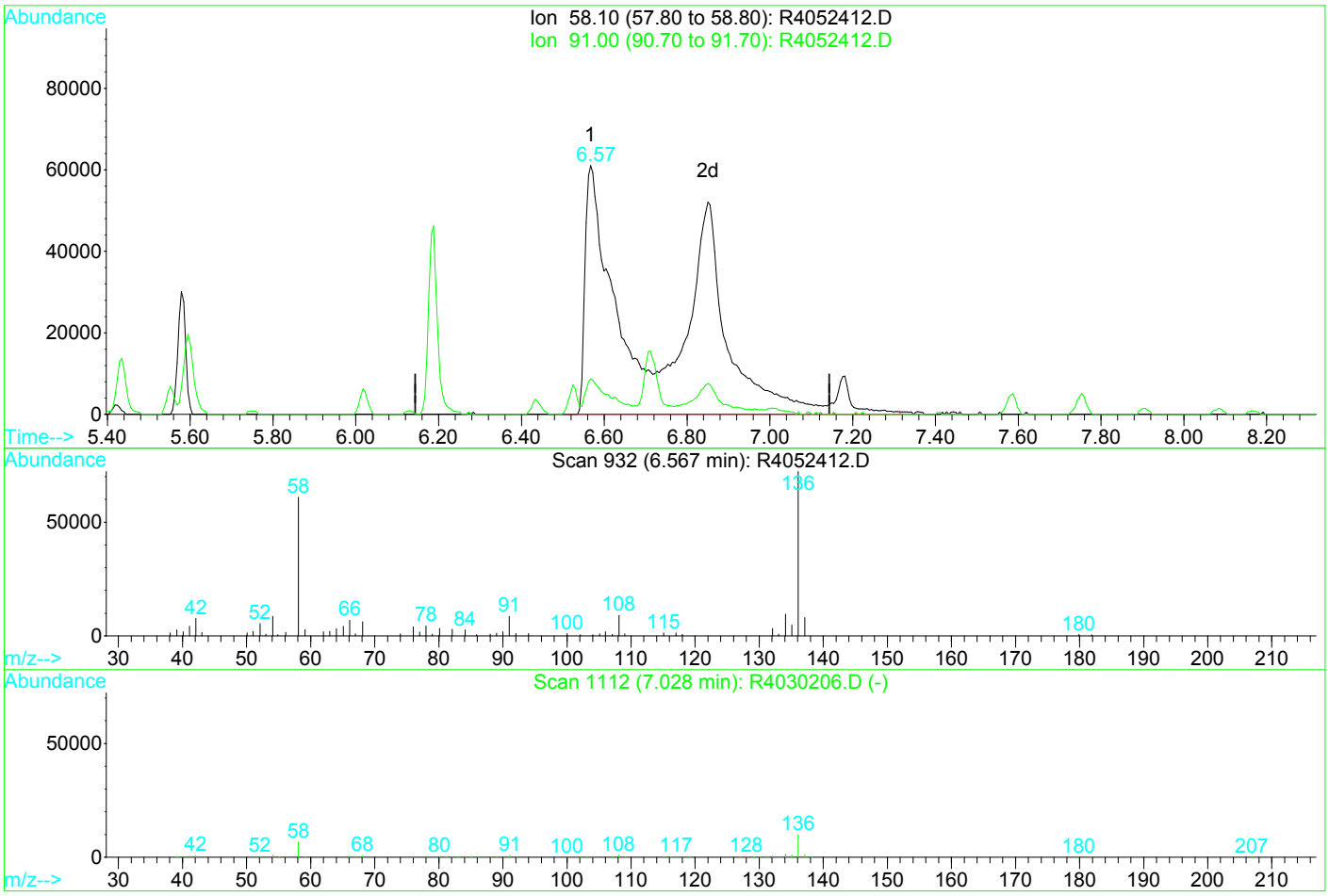
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052412.D

(39) a,a-Dimethylphenethylamine (T)

6.57min 63.66ng m

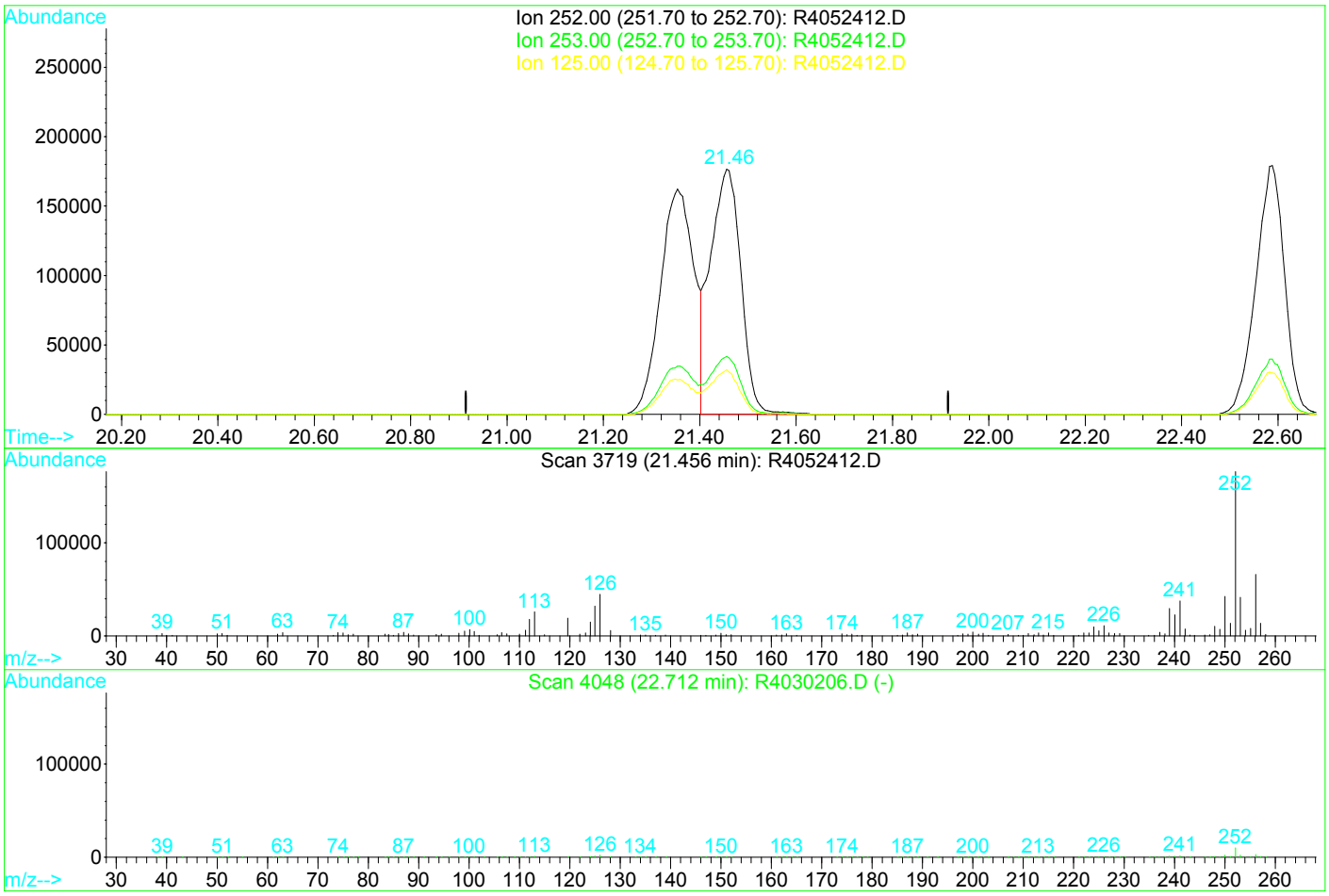
response 657132

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	4.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052412.D Vial: 5
Acq On : 24 May 2004 5:19 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:08 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052412.D

(107) Benzo[k]fluoranthene (T)

21.46min 62.36ng m

response 775652

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.59
125.00	14.30	16.20
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	108997	40.00	ng	0.00
23) Naphthalene-d8	6.58	136	412988	40.00	ng	0.00
45) Acenaphthene-d10	9.36	164	237627	40.00	ng	0.00
73) Phenanthrene-d10	12.25	188	397907	40.00	ng	0.00
92) Chrysene-d12	17.99	240	346544	40.00	ng	0.00
105) Perylene-d12	22.77	264	315759	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.80	112	293144	81.84	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 81.84%			
9) Phenol-d5	4.80	99	381856	81.20	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 81.20%			
24) Nitrobenzene-d5	5.72	82	409613	82.66	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 165.32%#			
50) 2-Fluorobiphenyl	8.19	172	673304	79.47	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 158.94%#			
72) 2,4,6-Tribromophenol	10.89	330	56470	84.76	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 84.76%			
94) 4-Terphenyl-d14	15.66	244	724669	81.74	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 163.48%#			
Target Compounds						Qvalue
2) Pyridine	1.95	79	343856	81.02	ng	# 89
3) 2-Picoline	3.03	93	278434	81.27	ng	98
4) Methyl methanesulfonate	3.60	80	163803	82.47	ng	99
6) Ethyl methanesulfonate	4.35	79	274959	81.36	ng	99
7) Benzaldehyde	4.63	105	39788	110.95	ng	# 100
8) Aniline	4.78	66	216698	84.24	ng	92
10) Phenol	4.82	94	454458	80.18	ng	97
11) Bis(2-chloroethyl)ether	4.83	63	292745	80.72	ng	95
12) 2-Chlorophenol	4.91	128	324668	80.89	ng	98
13) 1,3-Dichlorobenzene	5.04	146	349455	79.87	ng	99
14) 1,4-Dichlorobenzene	5.10	146	353337	80.17	ng	99
15) 1,2-Dichlorobenzene	5.30	146	332173	79.63	ng	99
16) Benzyl alcohol	5.27	108	218881	82.28	ng	97
17) Bis(2-chloroisopropyl)ethe	5.41	45	512394	80.63	ng	99
18) 2-Methylphenol	5.43	107	275465	80.64	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.59	107	676982	161.17	ng		98
20)	N-Nitrosodi-n-propylamine	5.57	70	273969	81.51	ng		98
21)	N-Nitrosodimethylamine	1.93	42	172594	82.37	ng		98
22)	Hexachloroethane	5.64	117	148621	80.56	ng		98
25)	Acetophenone	5.55	105	475186	81.38	ng		99
26)	Nitrobenzene	5.74	77	394708	81.37	ng		97
27)	N-Nitrosopiperidine	5.92	114	166211	82.67	ng		97
28)	Isophorone	6.01	82	696877	82.35	ng		99
29)	2-Nitrophenol	6.12	139	175170	84.53	ng		99
30)	2,4-Dimethylphenol	6.18	122	289751	81.73	ng		99
31)	Bis(2-chloroethoxy)methane	6.27	93	414319	81.85	ng		99
32)	2,4-Dichlorophenol	6.43	162	254365	82.52	ng		97
33)	1,2,4-Trichlorobenzene	6.52	180	266721	81.12	ng		99
34)	Naphthalene	6.60	128	928353	80.98	ng		99
35)	Benzoic acid	6.33	122	85538	81.79	ng	#	1
36)	2,6-Dichlorophenol	6.72	162	243263	81.60	ng		98
37)	4-Chloroaniline	6.70	127	362021	79.58	ng		98
38)	Hexachlorobutadiene	6.83	225	146829	80.92	ng		99
39)	a,a-Dimethylphenethylamine	6.58	58	840142m	87.48	ng		
40)	Caprolactam	7.17	55	214373	88.74	ng	#	67
41)	4-Chloro-3-methylphenol	7.41	107	308756	83.41	ng		100
42)	N-Nitrosodi-n-butylamine	7.17	84	335374	87.48	ng		85
43)	2-Methylnaphthalene	7.58	142	652509	81.93	ng		98
44)	1-Methylnaphthalene	7.74	142	654867	81.85	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.90	216	251181	80.09	ng		98
47)	Hexachlorocyclopentadiene	7.93	237	132976	84.30	ng		97
48)	2,4,6-Trichlorophenol	8.08	196	176025	82.14	ng		99
49)	2,4,5-Trichlorophenol	8.16	196	185813	82.33	ng		98
51)	Biphenyl	8.34	154	856452	79.66	ng		99
52)	2-Chloronaphthalene	8.36	162	626197	79.41	ng		99
53)	1-Chloronaphthalene	8.42	162	498420	80.61	ng		99
54)	2-Nitroaniline	8.59	65	230224	84.36	ng		99
55)	3-Nitroaniline	9.33	138	182913	84.48	ng	#	85
56)	Pentachlorobenzene	9.76	250	198737	80.19	ng		98
57)	4-Nitroaniline	10.52	138	188473	85.66	ng		98
58)	2-Naphthylamine	9.88	143	586262	84.41	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	10.02	143	582046	80.25	ng		97
60)	Dimethyl phthalate	8.95	163	688791	81.33	ng		99
61)	Acenaphthylene	9.08	152	971577	80.50	ng		99
62)	2,6-Dinitrotoluene	9.07	165	157463	84.27	ng		96
63)	Acenaphthene	9.42	154	562100	80.44	ng		99
64)	2,4-Dinitrophenol	9.52	184	82101	79.04	ng		95
65)	Dibenzofuran	9.71	168	825311	80.03	ng		91
66)	4-Nitrophenol	9.72	65	170331	85.99	ng	#	89
67)	2,4-Dinitrotoluene	9.80	165	207235	83.92	ng		99
68)	2,3,4,6-Tetrachlorophenol	10.05	232	139169	84.05	ng		97
69)	Diethyl phthalate	10.28	149	707790	81.90	ng		99
70)	Fluorene	10.37	166	681662	80.64	ng		99
71)	4-Chlorophenyl phenyl ethe	10.38	204	305347	80.73	ng		99
74)	4,6-Dinitro-2-methylphenol	10.58	198	131959	89.50	ng		97
75)	Azobenzene	10.69	77	900069	81.14	ng		99
76)	1,2-Diphenylhydrazine	10.69	182	194711	80.10	ng		99
77)	Diphenylamine	10.64	170	121828	80.69	ng		96
78)	N-Nitrosodiphenylamine	10.64	168	612103	82.21	ng		95
79)	4-Bromophenyl phenyl ether	11.34	248	173138	80.43	ng		97
80)	Phenacetin	11.35	108	419356	84.54	ng		99
81)	Hexachlorobenzene	11.63	284	156363	81.21	ng		98
82)	Atrazine	11.80	200	192753	82.66	ng		99
83)	4-Aminobiphenyl	11.89	169	619088	83.79	ng		98
84)	Pentachlorophenol	12.02	266	101624	88.04	ng		92
85)	Pentachloronitrobenzene	12.17	237	84267	83.18	ng		99
86)	Pronamide	12.13	173	305429	83.41	ng		98
87)	Phenanthrene	12.29	178	964189	80.19	ng		98
88)	Anthracene	12.38	178	1041121	80.73	ng		99
89)	Carbazole	12.75	167	1039853	81.76	ng		98
90)	Di-n-butyl phthalate	13.64	149	1325124	83.42	ng		99
91)	Fluoranthene	14.80	202	1106963	82.08	ng		98
93)	Pyrene	15.27	202	1160006	81.38	ng		98
95)	Benzidine	15.12	184	162374	85.43	ng		93
96)	Dimethylaminoazobenzene	16.01	225	247398	83.06	ng		97
97)	Butyl benzyl phthalate	16.81	149	639645	83.10	ng		99
98)	Benz(a)anthracene	17.95	228	1077830	81.39	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

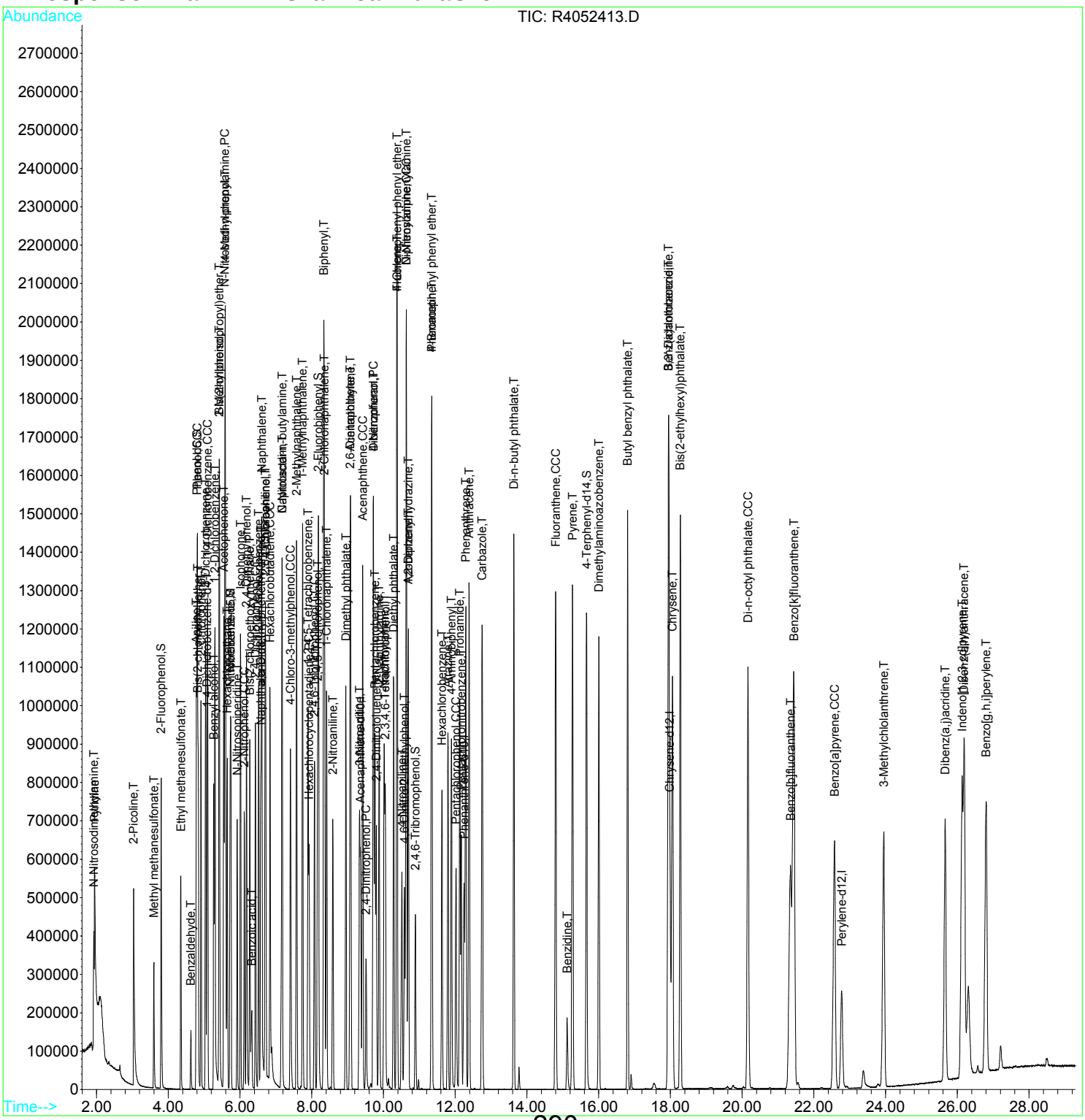
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.95	252	335287	83.50	ng		99
100)	Chrysene	18.06	228	1003496	81.55	ng		99
101)	Bis(2-ethylhexyl)phthalate	18.28	149	876938	83.26	ng		100
102)	Di-n-octyl phthalate	20.16	149	1457752	84.26	ng		98
103)	3-Methylchlolanthrene	23.95	268	525392	84.35	ng		98
104)	Indeno[1,2,3-cd]pyrene	26.14	276	1131906	83.77	ng	#	93
106)	Benzo[b]fluoranthene	21.35	252	974714	79.04	ng		99
107)	Benzo[k]fluoranthene	21.45	252	997170m	84.15	ng		
108)	Benzo[a]pyrene	22.58	252	945834	82.47	ng		92
109)	Dibenz(a,j)acridine	25.66	279	801531	83.10	ng		99
110)	Dibenz(a,h)anthracene	26.19	278	950795	81.81	ng		99
111)	Benzo[g,h,i]perylene	26.81	276	944831	82.68	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: B052404.RES

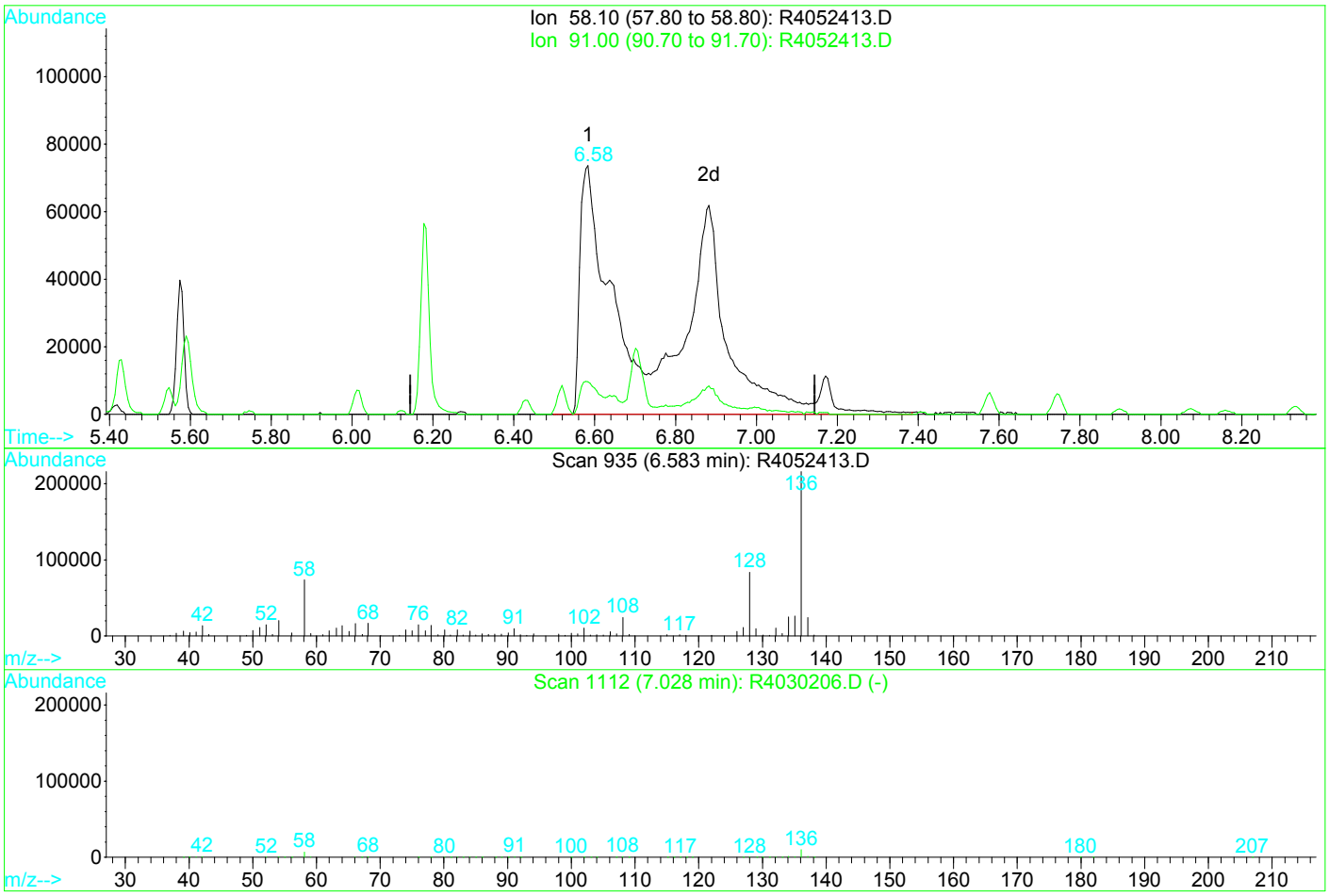
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052413.D

(39) a,a-Dimethylphenethylamine (T)

6.58min 87.48ng m

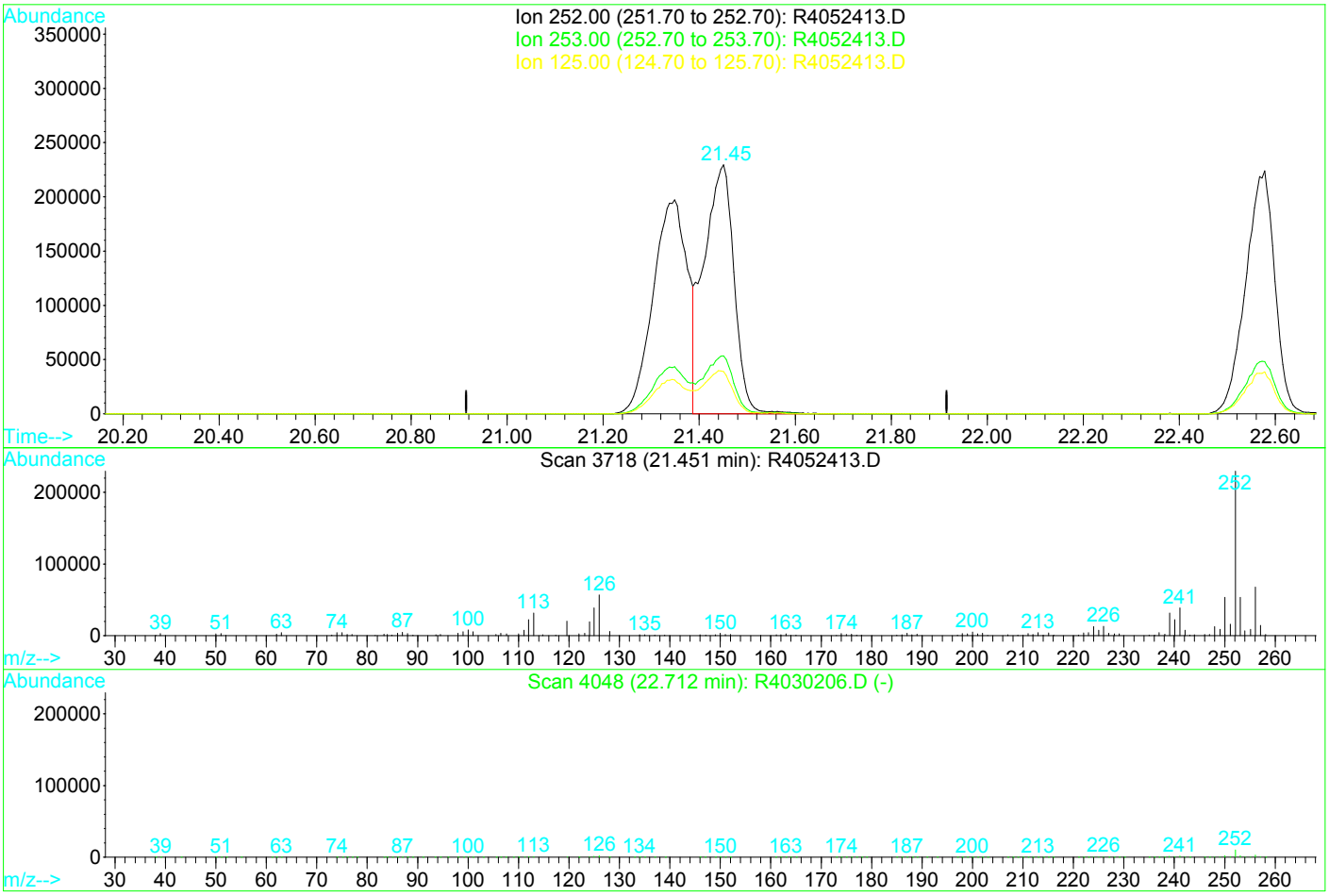
response 840142

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	3.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052413.D Vial: 6
Acq On : 24 May 2004 5:57 pm Operator: YH
Sample : BNA80 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:09 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052413.D

(107) Benzo[k]fluoranthene (T)

21.45min 84.15ng m

response 997170

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.61
125.00	14.30	15.81
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.09	152	112568	40.00	ng	0.01
23) Naphthalene-d8	6.59	136	432547	40.00	ng	0.02
45) Acenaphthene-d10	9.37	164	241140	40.00	ng	0.02
73) Phenanthrene-d10	12.26	188	395182	40.00	ng	0.02
92) Chrysene-d12	18.01	240	336574	40.00	ng	0.02
105) Perylene-d12	22.80	264	305220	40.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.81	112	449828	121.60	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 121.60%#			
9) Phenol-d5	4.81	99	569732	117.31	ng	0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 117.31%#			
24) Nitrobenzene-d5	5.74	82	615936	118.68	ng	0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 237.36%#			
50) 2-Fluorobiphenyl	8.20	172	998888	116.17	ng	0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 232.34%#			
72) 2,4,6-Tribromophenol	10.91	330	83079	122.89	ng	0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 122.89%			
94) 4-Terphenyl-d14	15.68	244	1023735	118.89	ng	0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 237.78%#			
Target Compounds						Qvalue
2) Pyridine	1.94	79	526228	120.05	ng	# 88
3) 2-Picoline	3.03	93	433775	122.59	ng	98
4) Methyl methanesulfonate	3.61	80	246928	120.38	ng	99
6) Ethyl methanesulfonate	4.36	79	422089	120.94	ng	99
7) Benzaldehyde	4.64	105	60918	164.48	ng	# 100
8) Aniline	4.79	66	304546	114.63	ng	99
10) Phenol	4.82	94	676904	115.64	ng	96
11) Bis(2-chloroethyl)ether	4.84	63	441248	117.81	ng	94
12) 2-Chlorophenol	4.92	128	489640	118.12	ng	97
13) 1,3-Dichlorobenzene	5.05	146	533033	117.96	ng	99
14) 1,4-Dichlorobenzene	5.11	146	534267	117.38	ng	99
15) 1,2-Dichlorobenzene	5.31	146	502542	116.65	ng	99
16) Benzyl alcohol	5.28	108	334251	121.66	ng	97
17) Bis(2-chloroisopropyl)ethe	5.43	45	768061	117.02	ng	99
18) 2-Methylphenol	5.44	107	413662	117.25	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.60	107	1010396	232.91	ng		97
20)	N-Nitrosodi-n-propylamine	5.59	70	409610	118.00	ng		97
21)	N-Nitrosodimethylamine	1.93	42	266660	123.23	ng		97
22)	Hexachloroethane	5.65	117	228489	119.93	ng		98
25)	Acetophenone	5.56	105	716605	117.18	ng		99
26)	Nitrobenzene	5.76	77	592599	116.64	ng		97
27)	N-Nitrosopiperidine	5.94	114	249963	118.70	ng		97
28)	Isophorone	6.03	82	1034406	116.70	ng		99
29)	2-Nitrophenol	6.13	139	266606	122.84	ng		98
30)	2,4-Dimethylphenol	6.20	122	432520	116.49	ng		99
31)	Bis(2-chloroethoxy)methane	6.29	93	617804	116.52	ng		99
32)	2,4-Dichlorophenol	6.44	162	380366	117.82	ng		97
33)	1,2,4-Trichlorobenzene	6.53	180	403205	117.08	ng		99
34)	Naphthalene	6.62	128	1373003	114.35	ng		98
35)	Benzoic acid	6.36	122	177813m	118.48	ng		
36)	2,6-Dichlorophenol	6.73	162	365210	116.96	ng		98
37)	4-Chloroaniline	6.71	127	541784	113.72	ng		97
38)	Hexachlorobutadiene	6.85	225	223770	117.75	ng		98
39)	a,a-Dimethylphenethylamine	6.97	58	1240029m	123.28	ng		
40)	Caprolactam	7.20	55	317317	125.41	ng	#	66
41)	4-Chloro-3-methylphenol	7.42	107	460731	118.83	ng		100
42)	N-Nitrosodi-n-butylamine	7.19	84	506463	126.14	ng		86
43)	2-Methylnaphthalene	7.59	142	962971	115.44	ng		98
44)	1-Methylnaphthalene	7.76	142	966888	115.38	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.92	216	375984	118.14	ng		97
47)	Hexachlorocyclopentadiene	7.94	237	207431	129.59	ng		97
48)	2,4,6-Trichlorophenol	8.09	196	262113	120.53	ng		99
49)	2,4,5-Trichlorophenol	8.18	196	275127	120.12	ng		97
51)	Biphenyl	8.35	154	1270176	116.42	ng		99
52)	2-Chloronaphthalene	8.38	162	935844	116.96	ng		98
53)	1-Chloronaphthalene	8.43	162	736278	117.34	ng		98
54)	2-Nitroaniline	8.61	65	345152	124.63	ng		99
55)	3-Nitroaniline	9.35	138	269809	122.80	ng	#	85
56)	Pentachlorobenzene	9.78	250	292986	116.50	ng		97
57)	4-Nitroaniline	10.54	138	270566	121.18	ng		96
58)	2-Naphthylamine	9.90	143	847633	120.26	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	10.04	143	851364	115.68	ng		97
60)	Dimethyl phthalate	8.97	163	1012143	117.77	ng		99
61)	Acenaphthylene	9.10	152	1409674	115.09	ng		98
62)	2,6-Dinitrotoluene	9.09	165	231870	122.29	ng		97
63)	Acenaphthene	9.44	154	835601	117.84	ng		99
64)	2,4-Dinitrophenol	9.53	184	129860	117.21	ng		99
65)	Dibenzofuran	9.73	168	1202507	114.91	ng		90
66)	4-Nitrophenol	9.74	65	250893	124.82	ng	#	88
67)	2,4-Dinitrotoluene	9.82	165	305842	122.04	ng		98
68)	2,3,4,6-Tetrachlorophenol	10.07	232	202925	120.77	ng		95
69)	Diethyl phthalate	10.30	149	1028959	117.32	ng		99
70)	Fluorene	10.40	166	994703	115.96	ng		99
71)	4-Chlorophenyl phenyl ethe	10.40	204	446526	116.33	ng		98
74)	4,6-Dinitro-2-methylphenol	10.61	198	194870	133.07	ng		95
75)	Azobenzene	10.71	77	1298875	117.90	ng		99
76)	1,2-Diphenylhydrazine	10.71	182	286533	118.68	ng		97
77)	Diphenylamine	10.66	170	177610	118.45	ng	#	95
78)	N-Nitrosodiphenylamine	10.66	168	886074	119.82	ng		95
79)	4-Bromophenyl phenyl ether	11.36	248	255251	119.39	ng		98
80)	Phenacetin	11.38	108	601350	122.07	ng		99
81)	Hexachlorobenzene	11.65	284	228498	119.50	ng		97
82)	Atrazine	11.82	200	272403	117.63	ng		98
83)	4-Aminobiphenyl	11.91	169	871820	118.80	ng		97
84)	Pentachlorophenol	12.04	266	152613	133.12	ng		93
85)	Pentachloronitrobenzene	12.19	237	124377	123.61	ng		99
86)	Pronamide	12.15	173	438924	120.69	ng		98
87)	Phenanthrene	12.32	178	1402679	117.47	ng		98
88)	Anthracene	12.41	178	1486485	116.06	ng		98
89)	Carbazole	12.77	167	1479659	117.14	ng		97
90)	Di-n-butyl phthalate	13.65	149	1868224	118.42	ng		98
91)	Fluoranthene	14.82	202	1572309	117.39	ng		97
93)	Pyrene	15.29	202	1617874	116.87	ng		98
95)	Benzidine	15.14	184	232244	125.81	ng		93
96)	Dimethylaminoazobenzene	16.03	225	354267	122.46	ng		96
97)	Butyl benzyl phthalate	16.82	149	910565	121.81	ng		99
98)	Benz(a)anthracene	17.97	228	1522664	118.38	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

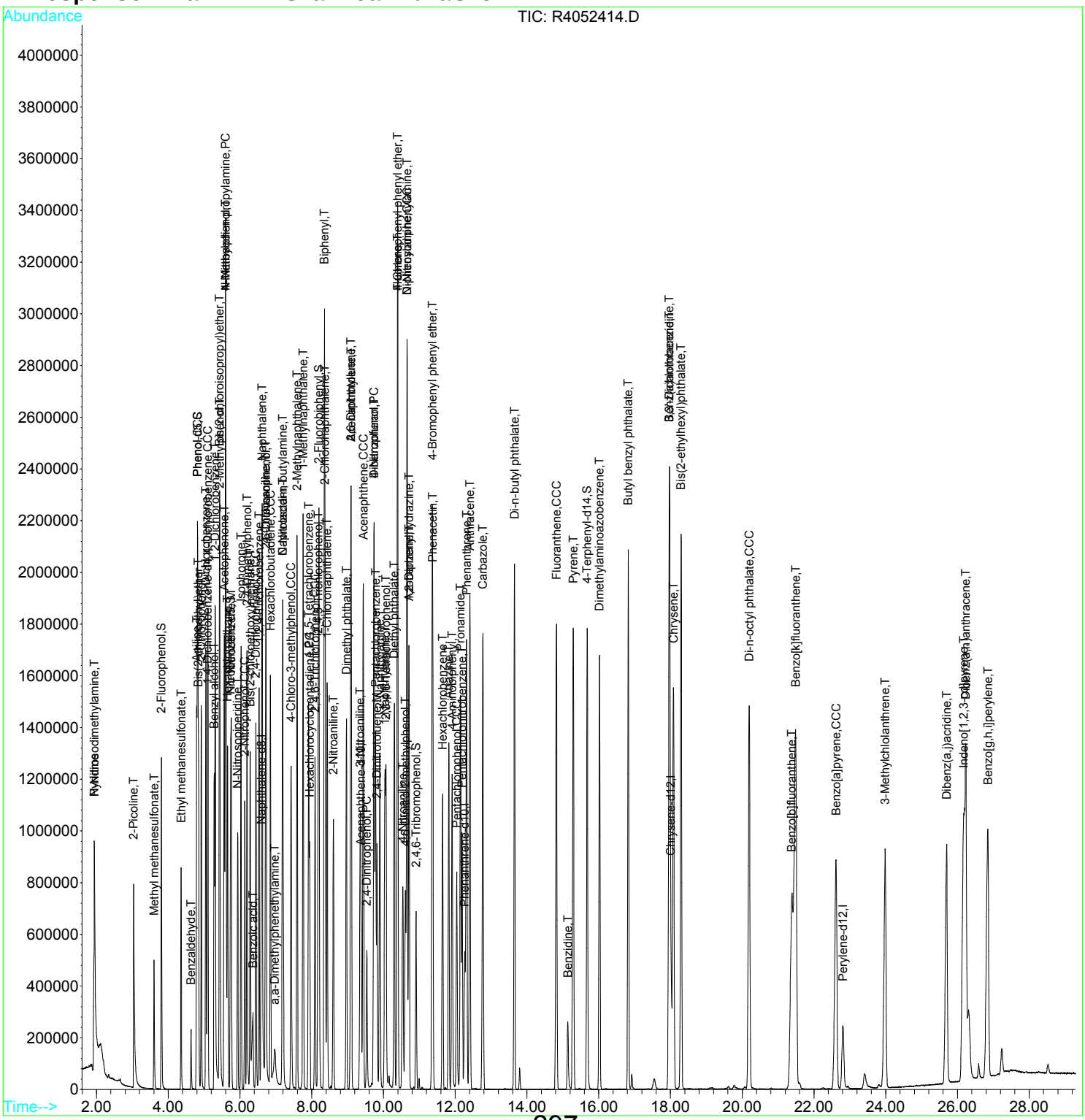
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.98	252	471515	120.91	ng		98
100)	Chrysene	18.08	228	1401185	117.24	ng		98
101)	Bis(2-ethylhexyl)phthalate	18.30	149	1243491	121.56	ng		99
102)	Di-n-octyl phthalate	20.20	149	2074105	123.44	ng		98
103)	3-Methylchlolanthrene	23.99	268	739521	122.25	ng		97
104)	Indeno[1,2,3-cd]pyrene	26.17	276	1603454	122.19	ng	#	94
106)	Benzo[b]fluoranthene	21.38	252	1431492	120.09	ng		97
107)	Benzo[k]fluoranthene	21.50	252	1335963m	116.63	ng		
108)	Benzo[a]pyrene	22.62	252	1329004	119.88	ng		93
109)	Dibenz(a,j)acridine	25.70	279	1132612	121.47	ng		99
110)	Dibenz(a,h)anthracene	26.23	278	1352498	120.40	ng		98
111)	Benzo[g,h,i]perylene	26.85	276	1337694	121.11	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: B052404.RES

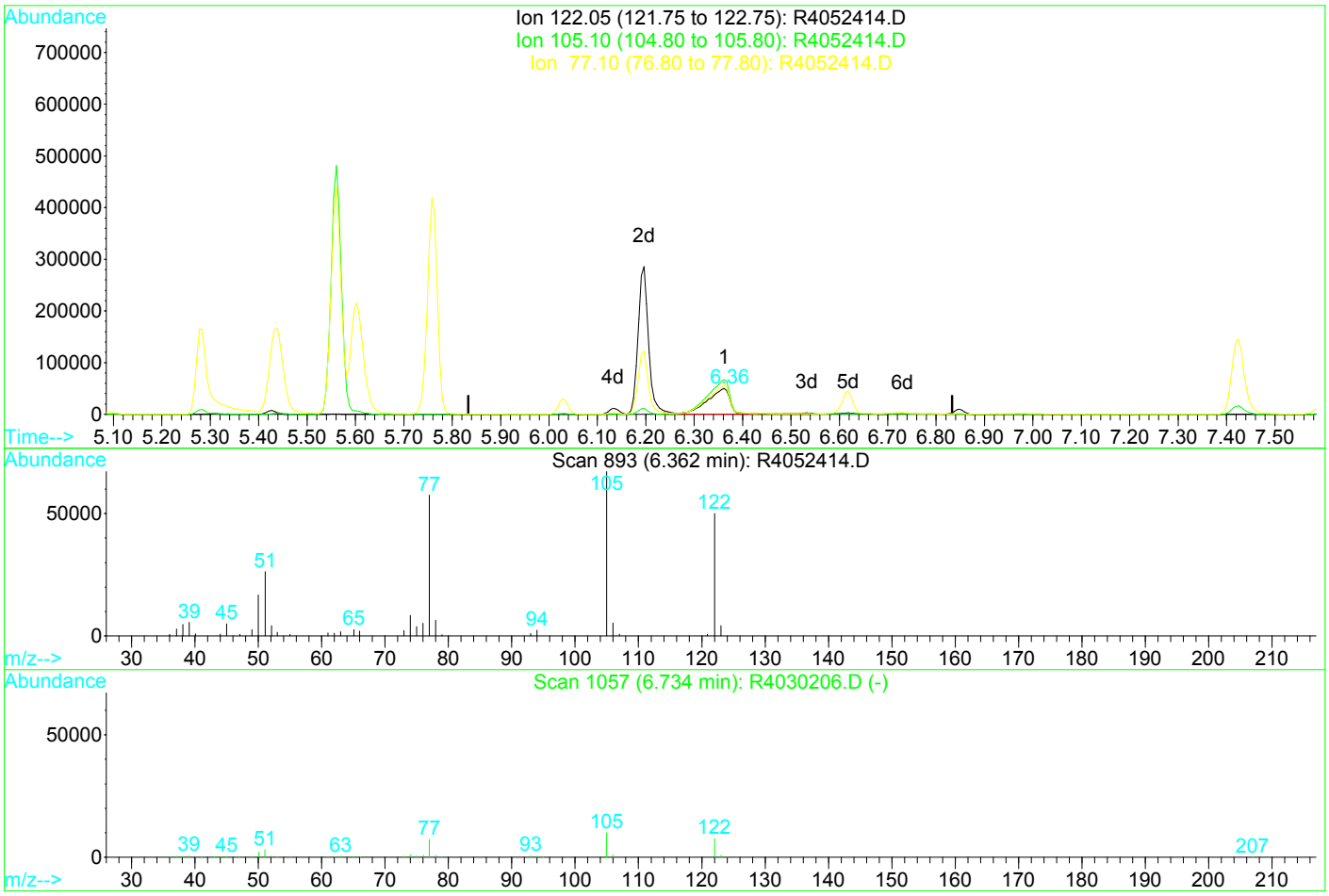
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052414.D

(35) Benzoic acid (T)

6.36min 118.48ng m

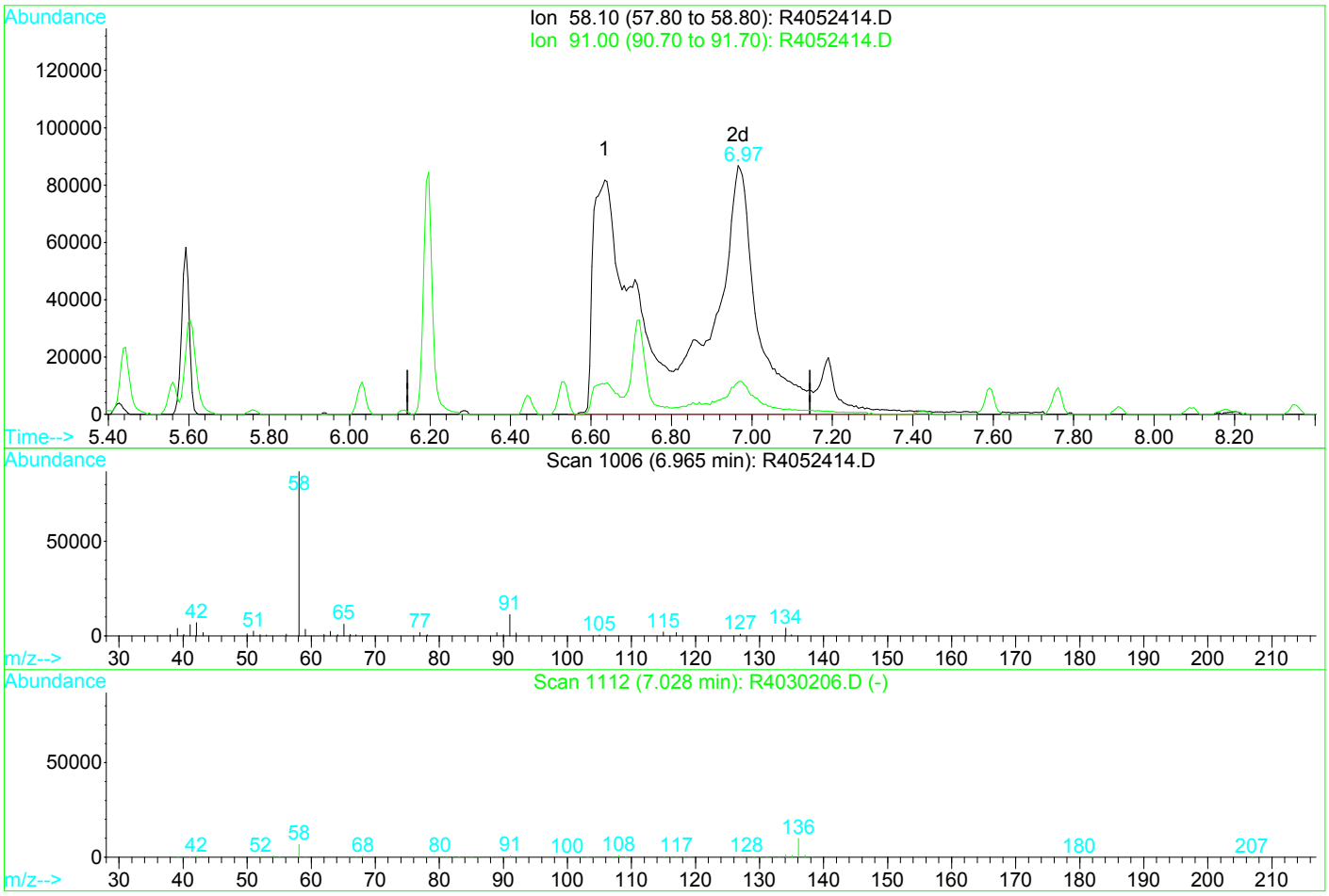
response 177813

Ion	Exp%	Act%
122.05	100	100
105.10	0.00	123.40#
77.10	1139.70	95.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052414.D

(39) a,a-Dimethylphenethylamine (T)

6.97min 123.28ng m

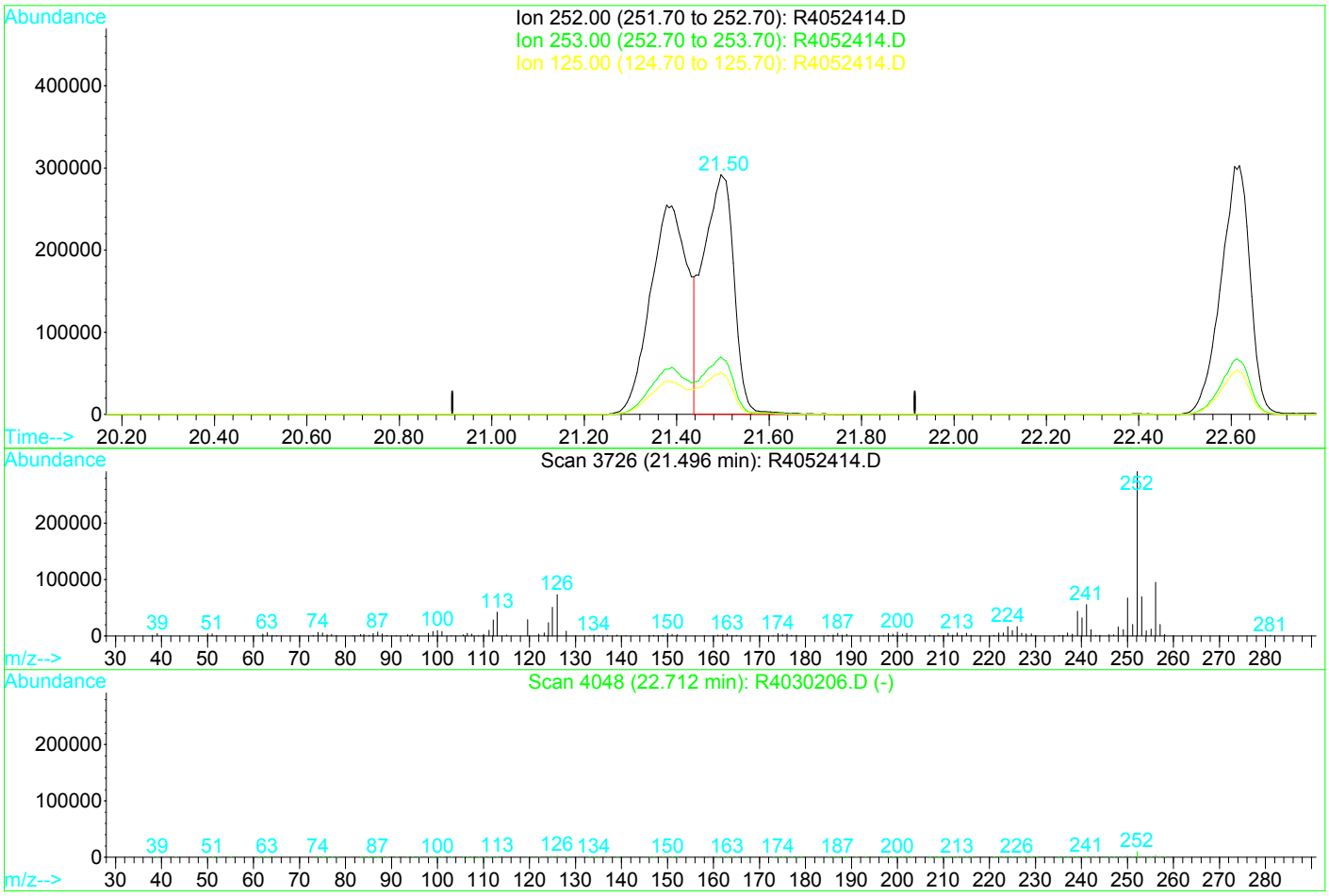
response 1240029

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	3.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052414.D Vial: 7
Acq On : 24 May 2004 6:34 pm Operator: YH
Sample : BNA120 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:24 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052414.D

(107) Benzo[k]fluoranthene (T)

21.50min 116.63ng m

response 1335963

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.99
125.00	14.30	16.74
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	108180	40.00	ng	0.00
23) Naphthalene-d8	6.58	136	412720	40.00	ng	0.00
45) Acenaphthene-d10	9.36	164	230031	40.00	ng	0.00
73) Phenanthrene-d10	12.25	188	384183	40.00	ng	0.00
92) Chrysene-d12	18.00	240	335896	40.00	ng	0.00
105) Perylene-d12	22.78	264	310644	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.80	112	572630	161.08	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 161.08%#			
9) Phenol-d5	4.80	99	727892	155.95	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 155.95%#			
24) Nitrobenzene-d5	5.73	82	799921	161.53	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 323.06%#			
50) 2-Fluorobiphenyl	8.19	172	1277002	155.69	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 311.38%#			
72) 2,4,6-Tribromophenol	10.90	330	109018	169.05	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 169.05%#			
94) 4-Terphenyl-d14	15.67	244	1348465	156.92	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 313.84%#			
Target Compounds						Qvalue
2) Pyridine	1.94	79	674674	160.16	ng	# 86
3) 2-Picoline	3.03	93	539168	158.56	ng	97
4) Methyl methanesulfonate	3.60	80	317388	161.00	ng	99
6) Ethyl methanesulfonate	4.35	79	536100	159.83	ng	98
7) Benzaldehyde	4.63	105	80587m	226.41	ng	
8) Aniline	4.78	66	381802	149.54	ng	100
10) Phenol	4.82	94	867405	154.20	ng	95
11) Bis(2-chloroethyl)ether	4.84	63	563843	156.65	ng	95
12) 2-Chlorophenol	4.91	128	624220	156.70	ng	97
13) 1,3-Dichlorobenzene	5.04	146	677433	155.99	ng	98
14) 1,4-Dichlorobenzene	5.10	146	684936	156.59	ng	99
15) 1,2-Dichlorobenzene	5.30	146	645740	155.97	ng	99
16) Benzyl alcohol	5.28	108	427153	161.78	ng	98
17) Bis(2-chloroisopropyl)ethe	5.42	45	979990	155.37	ng	97
18) 2-Methylphenol	5.43	107	532478	157.05	ng	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.60	107	1295478	310.74	ng		97
20)	N-Nitrosodi-n-propylamine	5.58	70	526082	157.70	ng		97
21)	N-Nitrosodimethylamine	1.93	42	336824	161.97	ng		99
22)	Hexachloroethane	5.64	117	294437	160.81	ng		99
25)	Acetophenone	5.55	105	918776	157.46	ng		99
26)	Nitrobenzene	5.75	77	769132	158.66	ng		97
27)	N-Nitrosopiperidine	5.93	114	324789	161.64	ng		97
28)	Isophorone	6.02	82	1323530	156.50	ng		99
29)	2-Nitrophenol	6.12	139	345583	166.87	ng		97
30)	2,4-Dimethylphenol	6.19	122	559210	157.84	ng		99
31)	Bis(2-chloroethoxy)methane	6.27	93	785751	155.32	ng		98
32)	2,4-Dichlorophenol	6.43	162	489077	158.77	ng		97
33)	1,2,4-Trichlorobenzene	6.52	180	514020	156.43	ng		99
34)	Naphthalene	6.61	128	1741075	151.98	ng		98
35)	Benzoic acid	6.38	122	282328	167.58	ng	#	1
36)	2,6-Dichlorophenol	6.72	162	472621	158.64	ng		98
37)	4-Chloroaniline	6.71	127	689536	151.68	ng	#	91
38)	Hexachlorobutadiene	6.84	225	291474	160.74	ng		99
39)	a,a-Dimethylphenethylamine	7.03	58	1646285m	171.53	ng		
40)	Caprolactam	7.21	55	412852	171.00	ng	#	65
41)	4-Chloro-3-methylphenol	7.42	107	596404	161.21	ng		100
42)	N-Nitrosodi-n-butylamine	7.18	84	651128	169.96	ng		86
43)	2-Methylnaphthalene	7.58	142	1224442	153.84	ng		99
44)	1-Methylnaphthalene	7.75	142	1242099	155.35	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.90	216	487246	160.50	ng		97
47)	Hexachlorocyclopentadiene	7.93	237	270421	177.10	ng		97
48)	2,4,6-Trichlorophenol	8.09	196	340972	164.36	ng		99
49)	2,4,5-Trichlorophenol	8.17	196	357320	163.55	ng		98
51)	Biphenyl	8.34	154	1621038	155.76	ng		98
52)	2-Chloronaphthalene	8.36	162	1201966	157.47	ng		98
53)	1-Chloronaphthalene	8.42	162	944095	157.72	ng		98
54)	2-Nitroaniline	8.59	65	455020	172.23	ng		99
55)	3-Nitroaniline	9.34	138	351948	167.93	ng	#	85
56)	Pentachlorobenzene	9.77	250	379086	158.02	ng		98
57)	4-Nitroaniline	10.54	138	357515	167.85	ng		96
58)	2-Naphthylamine	9.89	143	1079132	160.50	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	10.03	143	1095805	156.08	ng		97
60)	Dimethyl phthalate	8.96	163	1302837	158.92	ng		99
61)	Acenaphthylene	9.09	152	1802007	154.23	ng		98
62)	2,6-Dinitrotoluene	9.08	165	303027	167.53	ng		97
63)	Acenaphthene	9.43	154	1068224	157.92	ng		99
64)	2,4-Dinitrophenol	9.53	184	177870	163.64	ng		97
65)	Dibenzofuran	9.72	168	1559938	156.27	ng		90
66)	4-Nitrophenol	9.73	65	337503	176.02	ng	#	85
67)	2,4-Dinitrotoluene	9.82	165	398733	166.80	ng		100
68)	2,3,4,6-Tetrachlorophenol	10.06	232	271210	169.20	ng		96
69)	Diethyl phthalate	10.30	149	1334729	159.54	ng		99
70)	Fluorene	10.38	166	1298699	158.70	ng		99
71)	4-Chlorophenyl phenyl ethe	10.39	204	589825	161.08	ng		98
74)	4,6-Dinitro-2-methylphenol	10.61	198	262491	184.38	ng		92
75)	Azobenzene	10.70	77	1689687	157.77	ng		99
76)	1,2-Diphenylhydrazine	10.70	182	374308	159.47	ng		97
77)	Diphenylamine	10.65	170	234654	160.98	ng	#	94
78)	N-Nitrosodiphenylamine	10.65	168	1151598	160.19	ng		95
79)	4-Bromophenyl phenyl ether	11.34	248	331128	159.31	ng		97
80)	Phenacetin	11.37	108	796066	166.22	ng		99
81)	Hexachlorobenzene	11.64	284	295874	159.16	ng		95
82)	Atrazine	11.82	200	347432	154.32	ng		98
83)	4-Aminobiphenyl	11.90	169	1125221	157.73	ng		97
84)	Pentachlorophenol	12.03	266	203258	182.37	ng		92
85)	Pentachloronitrobenzene	12.18	237	165634	169.33	ng		99
86)	Pronamide	12.14	173	582441	164.73	ng		98
87)	Phenanthrene	12.31	178	1804476	155.44	ng		98
88)	Anthracene	12.40	178	1924587	154.56	ng		98
89)	Carbazole	12.76	167	1923344	156.62	ng		96
90)	Di-n-butyl phthalate	13.64	149	2407089	156.94	ng		98
91)	Fluoranthene	14.81	202	2046305	157.15	ng		97
93)	Pyrene	15.28	202	2110791	152.78	ng		97
95)	Benzidine	15.13	184	319450	173.40	ng		92
96)	Dimethylaminoazobenzene	16.01	225	469441	162.59	ng		95
97)	Butyl benzyl phthalate	16.81	149	1217232	163.16	ng		99
98)	Benz(a)anthracene	17.96	228	2049135	159.64	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 08:59:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

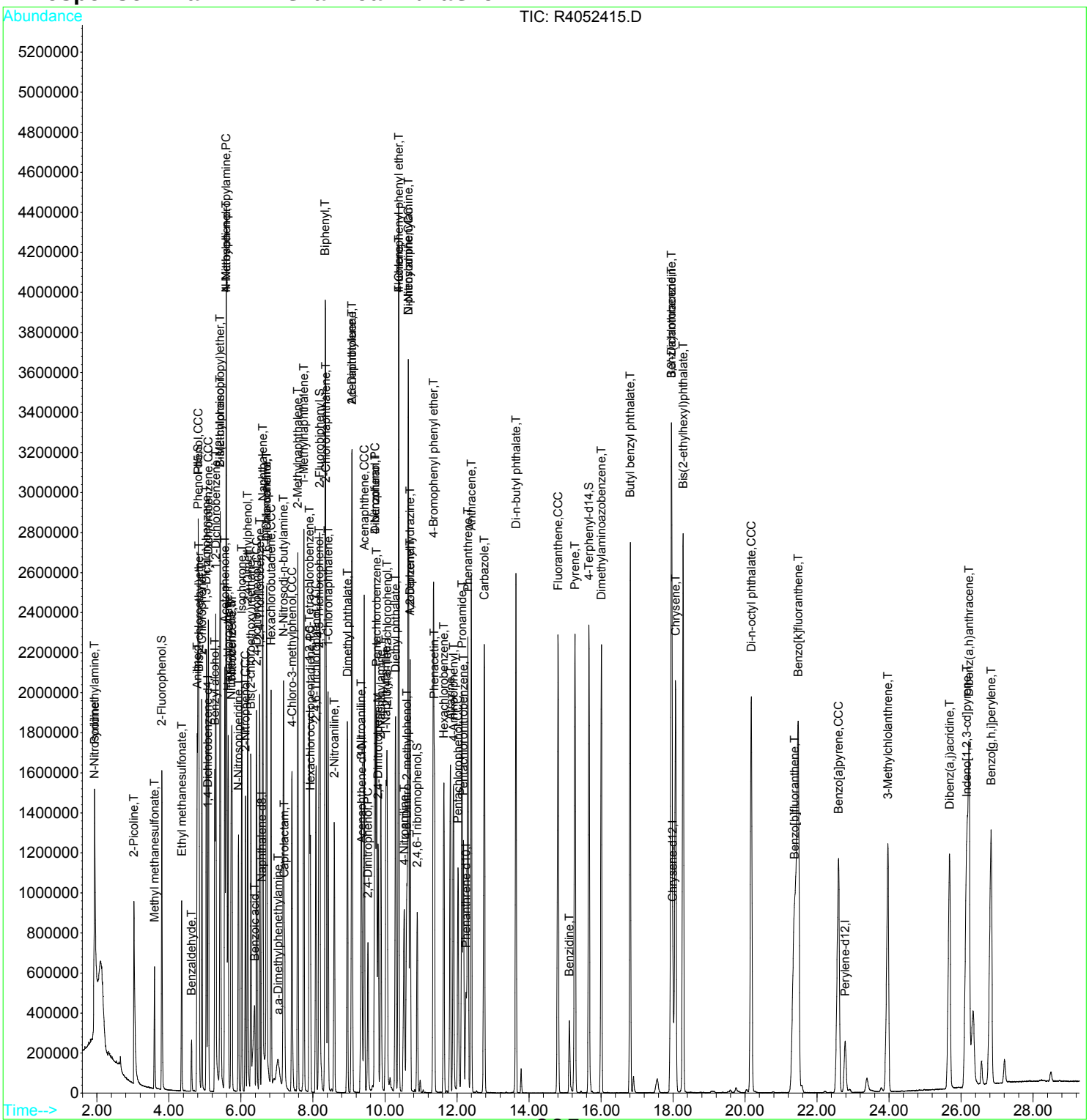
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.96	252	648708	166.68	ng		98
100)	Chrysene	18.07	228	1871605	156.92	ng		98
101)	Bis(2-ethylhexyl)phthalate	18.28	149	1656935	162.31	ng		99
102)	Di-n-octyl phthalate	20.17	149	2775834	165.54	ng		98
103)	3-Methylchlolanthrene	23.97	268	1014451	168.03	ng		97
104)	Indeno[1,2,3-cd]pyrene	26.15	276	2183472	166.72	ng	#	92
106)	Benzo[b]fluoranthene	21.37	252	2134840	175.97	ng		92
107)	Benzo[k]fluoranthene	21.48	252	1701752m	145.97	ng		
108)	Benzo[a]pyrene	22.60	252	1813728	160.75	ng		93
109)	Dibenz(a,j)acridine	25.68	279	1551207	163.46	ng		99
110)	Dibenz(a,h)anthracene	26.22	278	1821542	159.32	ng		99
111)	Benzo[g,h,i]perylene	26.83	276	1807347	160.77	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: B052404.RES

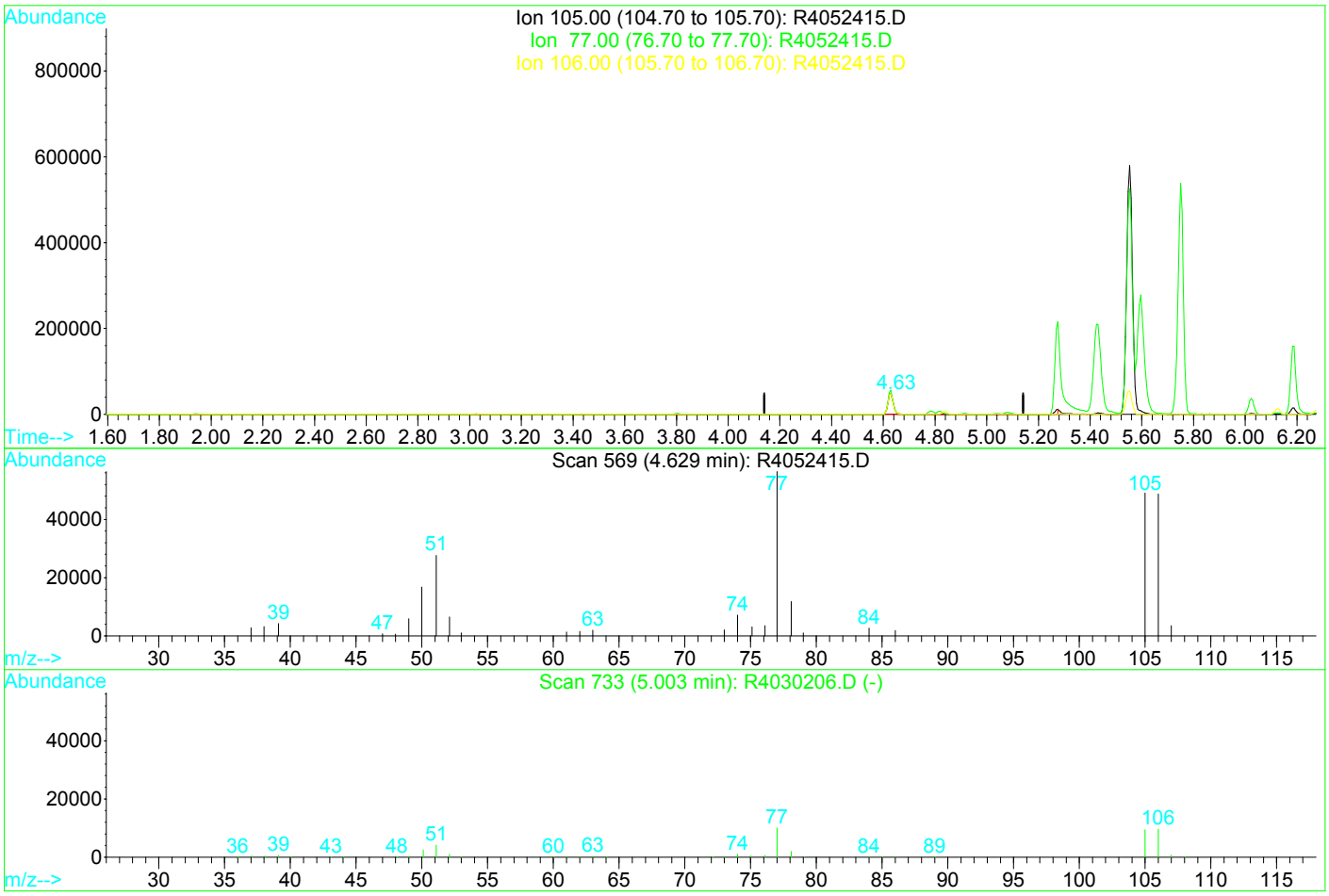
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052415.D

(7) Benzaldehyde (T)

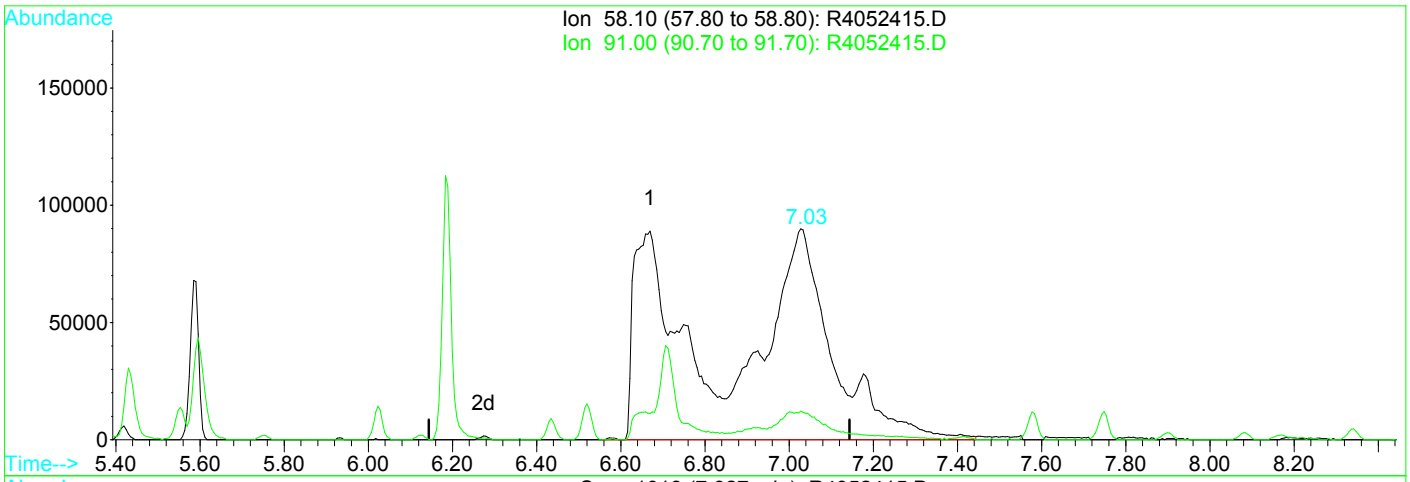
4.63min 226.41ng m

response 80587

Ion	Exp%	Act%
105.00	100	100
77.00	0.00	98.99#
106.00	0.00	85.84#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052415.D

(39) a,a-Dimethylphenethylamine (T)

7.03min 171.53ng m

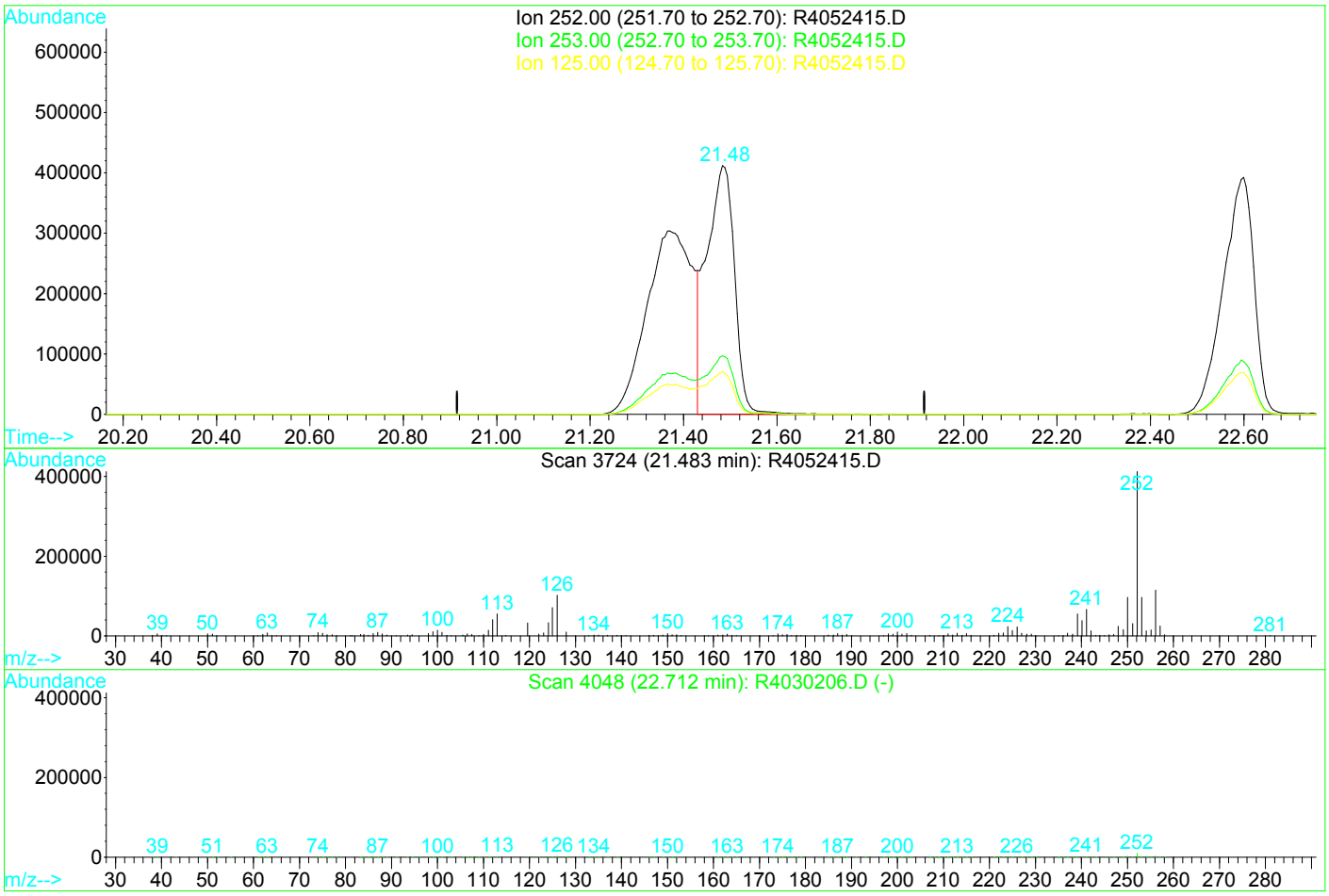
response 1646285

Ion	Exp%	Act%
58.10	100	100
91.00	5.10	2.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052415.D Vial: 8
Acq On : 24 May 2004 7:11 pm Operator: YH
Sample : BNA160 2271 Inst : GC/MS 10
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:29 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052415.D

(107) Benzo[k]fluoranthene (T)

21.48min 145.97ng m

response 1701752

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	26.33
125.00	14.30	11.69
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:41:15 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	114636	40.00	ng	0.00
23) Naphthalene-d8	6.58	136	440707	40.00	ng	0.00
45) Acenaphthene-d10	9.36	164	248562	40.00	ng	0.00
73) Phenanthrene-d10	12.25	188	412508	40.00	ng	0.00
92) Chrysene-d12	17.99	240	351249	40.00	ng	-0.01
105) Perylene-d12	22.78	264	299594	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.80	112	148352	39.38	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 39.38%			
9) Phenol-d5	4.80	99	198833	40.20	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 40.20%			
24) Nitrobenzene-d5	5.72	82	205066	38.78	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 77.56%			
50) 2-Fluorobiphenyl	8.19	172	338342	38.18	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 76.36%			
72) 2,4,6-Tribromophenol	10.89	330	26599	38.17	ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 38.17%			
94) 4-Terphenyl-d14	15.66	244	341628	38.02	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 76.04%			
Target Compounds						Qvalue
2) Pyridine	1.96	79	157290	35.24	ng	# 86
3) 2-Picoline	3.04	93	162003	44.96	ng	99
4) Methyl methanesulfonate	3.60	80	108240	51.82	ng	99
6) Ethyl methanesulfonate	4.35	79	132731	37.34	ng	99
7) Benzaldehyde	4.63	105	18472	42.84	ng	# 70
8) Aniline	4.78	66	111748	41.30	ng	96
10) Phenol	4.81	94	229023	38.42	ng	# 39
11) Bis(2-chloroethyl)ether	4.84	63	148075	38.82	ng	98
12) 2-Chlorophenol	4.91	128	159198	37.71	ng	99
13) 1,3-Dichlorobenzene	5.04	146	175197	38.07	ng	99
14) 1,4-Dichlorobenzene	5.10	146	175334	37.83	ng	99
15) 1,2-Dichlorobenzene	5.31	146	167447	38.17	ng	99
16) Benzyl alcohol	5.27	108	103656	37.05	ng	99
17) Bis(2-chloroisopropyl)ethe	5.42	45	262105	39.21	ng	96
18) 2-Methylphenol	5.43	107	135309	37.66	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:41:15 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.58	107	328443	74.35	ng		96
20)	N-Nitrosodi-n-propylamine	5.57	70	143139	40.49	ng		96
21)	N-Nitrosodimethylamine	1.94	42	96550	43.81	ng		86
22)	Hexachloroethane	5.65	117	73732	38.00	ng		100
25)	Acetophenone	5.55	105	479694	76.99	ng		99
26)	Nitrobenzene	5.74	77	205112	39.63	ng		97
27)	N-Nitrosopiperidine	5.92	114	78827	36.74	ng		97
28)	Isophorone	6.01	82	357159	39.55	ng		98
29)	2-Nitrophenol	6.12	139	85904	38.85	ng		98
30)	2,4-Dimethylphenol	6.18	122	140811	37.22	ng		99
31)	Bis(2-chloroethoxy)methane	6.27	93	192114	35.56	ng		98
32)	2,4-Dichlorophenol	6.43	162	127074	38.63	ng		98
33)	1,2,4-Trichlorobenzene	6.52	180	136082	38.78	ng		98
34)	Naphthalene	6.60	128	471970	38.58	ng		98
35)	Benzoic acid	6.29	122	18685	55.79	ng		92
36)	2,6-Dichlorophenol	6.72	162	123234	38.74	ng		99
37)	4-Chloroaniline	6.70	127	182296	37.55	ng		93
38)	Hexachlorobutadiene	6.84	225	72012	37.19	ng		100
39)	a,a-Dimethylphenethylamine	6.79	58	441108m	42.11	ng		
40)	Caprolactam	7.14	55	98041	38.03	ng	#	59
41)	4-Chloro-3-methylphenol	7.41	107	148909	37.70	ng		99
42)	N-Nitrosodi-n-butylamine	7.17	84	164228	40.15	ng		100
43)	2-Methylnaphthalene	7.58	142	318865	37.52	ng		100
44)	1-Methylnaphthalene	7.75	142	318227	37.27	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.90	216	126095	38.44	ng		99
47)	Hexachlorocyclopentadiene	7.93	237	49890	30.91	ng		98
48)	2,4,6-Trichlorophenol	8.08	196	85312	38.06	ng		100
49)	2,4,5-Trichlorophenol	8.16	196	91951	38.95	ng		99
51)	Biphenyl	8.34	154	418010	37.17	ng		98
52)	2-Chloronaphthalene	8.36	162	290509	35.22	ng		98
53)	1-Chloronaphthalene	8.42	162	276128	42.69	ng		99
54)	2-Nitroaniline	8.59	65	109070	38.21	ng		99
55)	3-Nitroaniline	9.33	138	88562	39.11	ng		98
56)	Pentachlorobenzene	9.76	250	99508	38.39	ng		99
57)	4-Nitroaniline	10.50	138	88380	38.40	ng		99
58)	2-Naphthylamine	9.88	143	280083	38.55	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:41:15 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	10.02	143	267303	35.24	ng		100
60)	Dimethyl phthalate	8.95	163	333235	37.62	ng		99
61)	Acenaphthylene	9.08	152	420916	33.34	ng		99
62)	2,6-Dinitrotoluene	9.07	165	72860	37.28	ng		98
63)	Acenaphthene	9.42	154	280712	38.41	ng		99
64)	2,4-Dinitrophenol	9.51	184	30719	35.15	ng		97
65)	Dibenzofuran	9.72	168	408573	37.88	ng		95
66)	4-Nitrophenol	9.72	65	77098	37.21	ng	#	90
67)	2,4-Dinitrotoluene	9.79	165	98740	38.23	ng		99
68)	2,3,4,6-Tetrachlorophenol	10.05	232	62688	36.19	ng		98
69)	Diethyl phthalate	10.28	149	354125	39.17	ng		99
70)	Fluorene	10.38	166	343098	38.80	ng		100
71)	4-Chlorophenyl phenyl ethe	10.38	204	152427	38.53	ng		98
74)	4,6-Dinitro-2-methylphenol	10.58	198	52408	34.43	ng		97
75)	Azobenzene	10.69	77	423218	36.80	ng		99
76)	1,2-Diphenylhydrazine	10.69	182	91356	36.25	ng		95
77)	Diphenylamine	10.63	170	67097	42.87	ng	#	95
78)	N-Nitrosodiphenylamine	10.63	168	326612	42.31	ng		96
79)	4-Bromophenyl phenyl ether	11.34	248	78773	35.30	ng		99
80)	Phenacetin	11.34	108	188947	36.74	ng		99
81)	Hexachlorobenzene	11.63	284	73987	37.07	ng		96
82)	Atrazine	11.79	200	93443	38.65	ng		99
83)	4-Aminobiphenyl	11.89	169	272706	35.60	ng		100
84)	Pentachlorophenol	12.02	266	40530	33.07	ng		99
85)	Pentachloronitrobenzene	12.17	237	38022	36.20	ng		98
86)	Pronamide	12.12	173	150714	39.70	ng		99
87)	Phenanthrene	12.29	178	475264	38.13	ng		99
88)	Anthracene	12.38	178	474196	35.47	ng		98
89)	Carbazole	12.75	167	465725	35.32	ng		98
90)	Di-n-butyl phthalate	13.63	149	596442	36.22	ng		98
91)	Fluoranthene	14.80	202	515432	36.87	ng		98
93)	Pyrene	15.27	202	521288	36.08	ng		98
95)	Benzidine	15.13	184	69319m	34.51	ng		
96)	Dimethylaminoazobenzene	16.01	225	106738	35.35	ng		98
97)	Butyl benzyl phthalate	16.81	149	269674	34.57	ng		99
98)	Benz(a)anthracene	17.95	228	472739	35.22	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:41:15 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

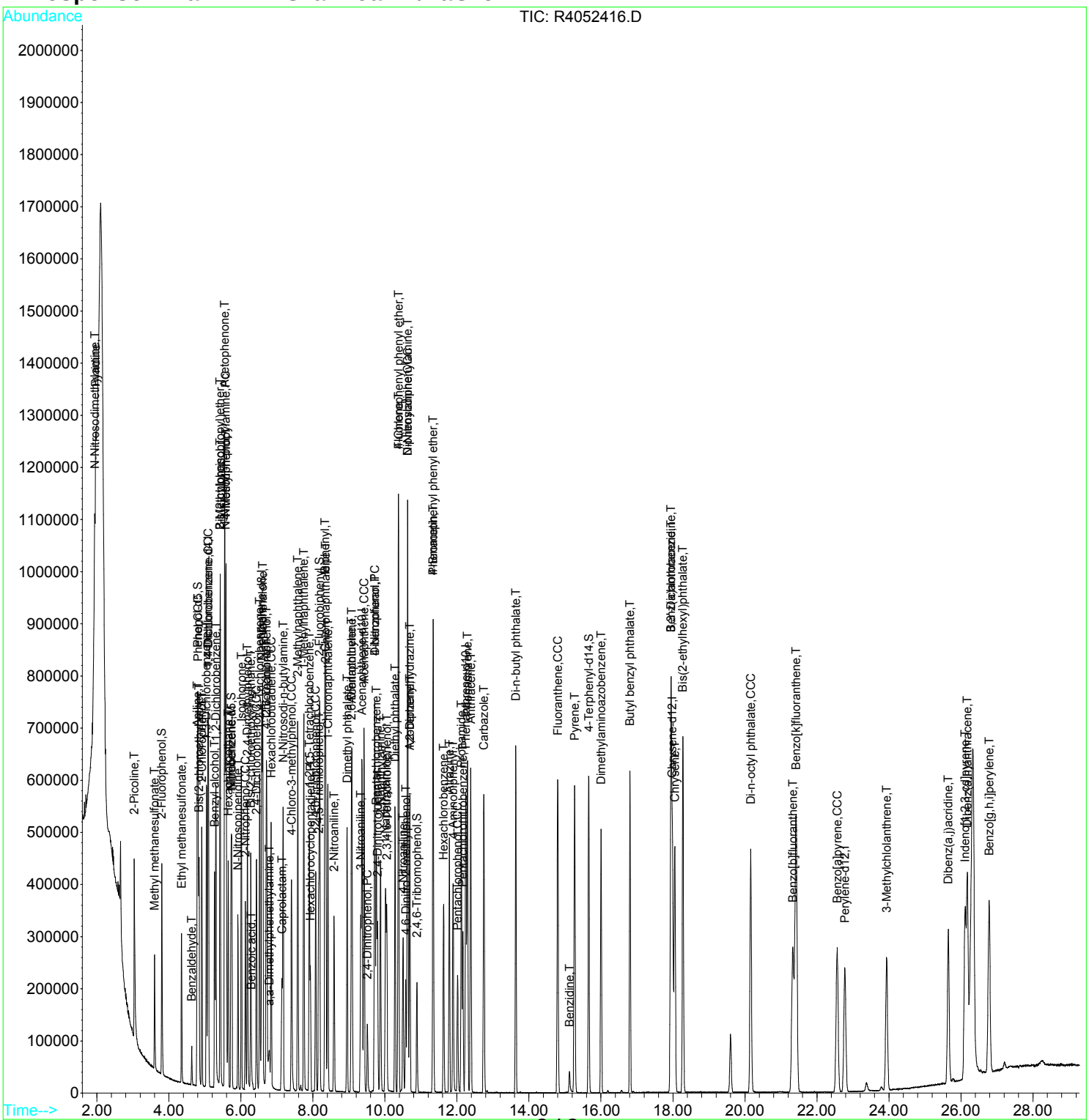
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.95	252	137901	33.88	ng		99
100)	Chrysene	18.05	228	434373	34.83	ng		99
101)	Bis(2-ethylhexyl)phthalate	18.28	149	369011	34.57	ng		99
102)	Di-n-octyl phthalate	20.16	149	630778	35.97	ng		99
103)	3-Methylchlolanthrene	23.93	268	204479	32.39	ng		98
104)	Indeno[1,2,3-cd]pyrene	26.11	276	485280	35.43	ng	#	97
106)	Benzo[b]fluoranthene	21.33	252	416889	35.63	ng		92
107)	Benzo[k]fluoranthene	21.43	252	477305m	42.43	ng		
108)	Benzo[a]pyrene	22.57	252	408558	37.55	ng		100
109)	Dibenz(a,j)acridine	25.65	279	343669	37.55	ng		99
110)	Dibenz(a,h)anthracene	26.18	278	409604	37.15	ng		99
111)	Benzo[g,h,i]perylene	26.79	276	415373	38.31	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

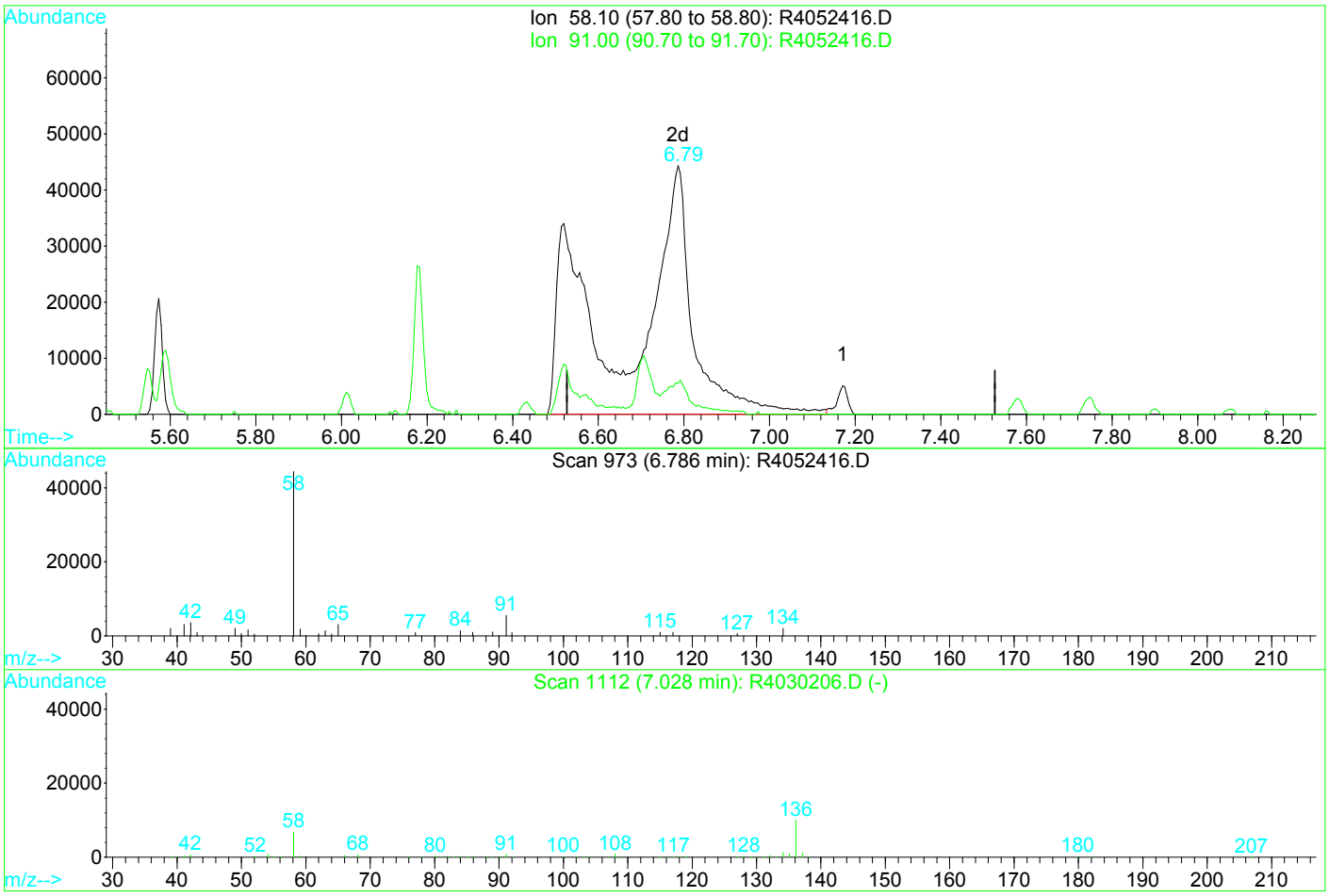
Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052416.D

(39) a,a-Dimethylphenethylamine (T)

6.79min 42.11ng m

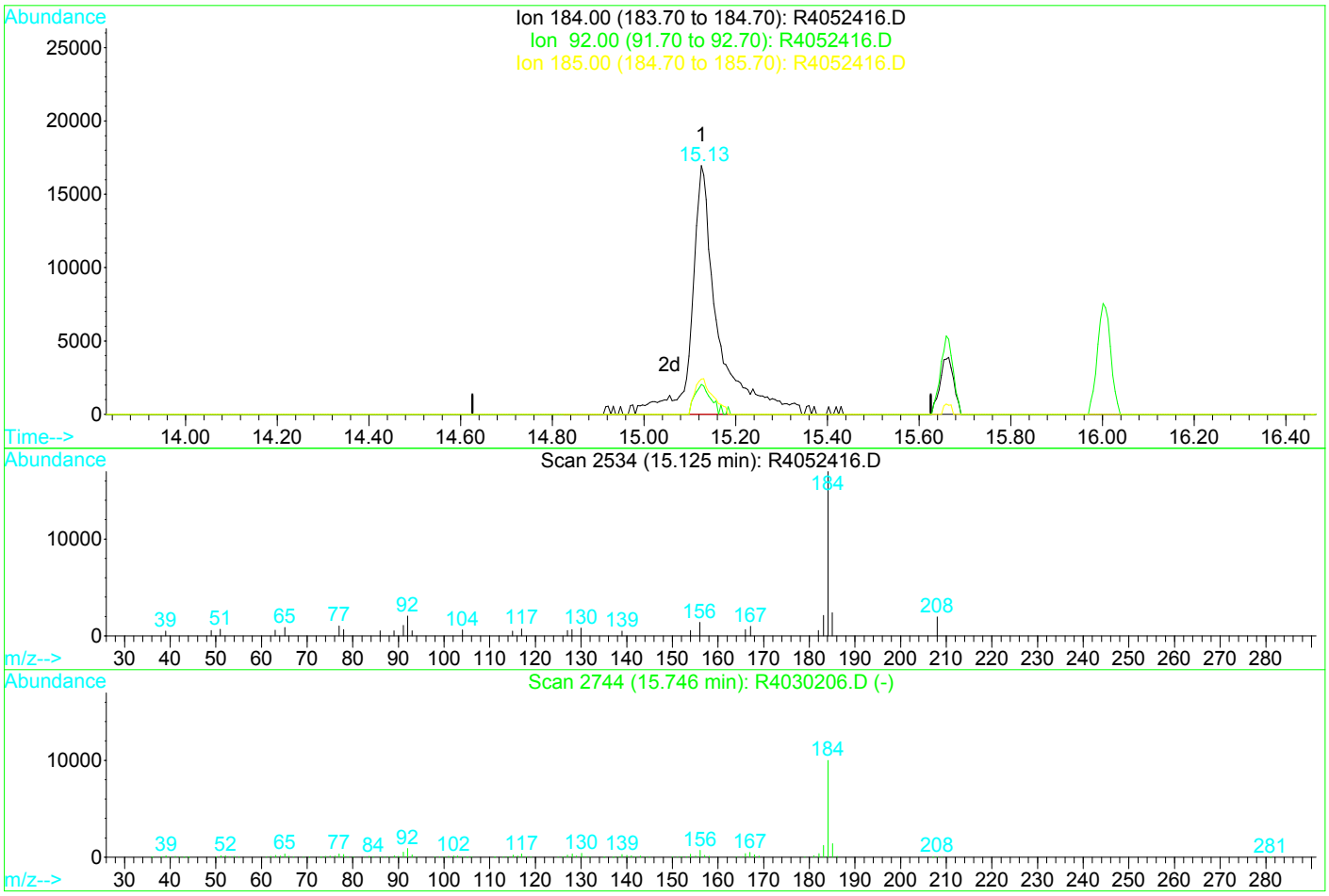
response 441108

Ion	Exp%	Act%
58.10	100	100
91.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052416.D

(95) Benzidine (T)

15.13min 34.51ng m

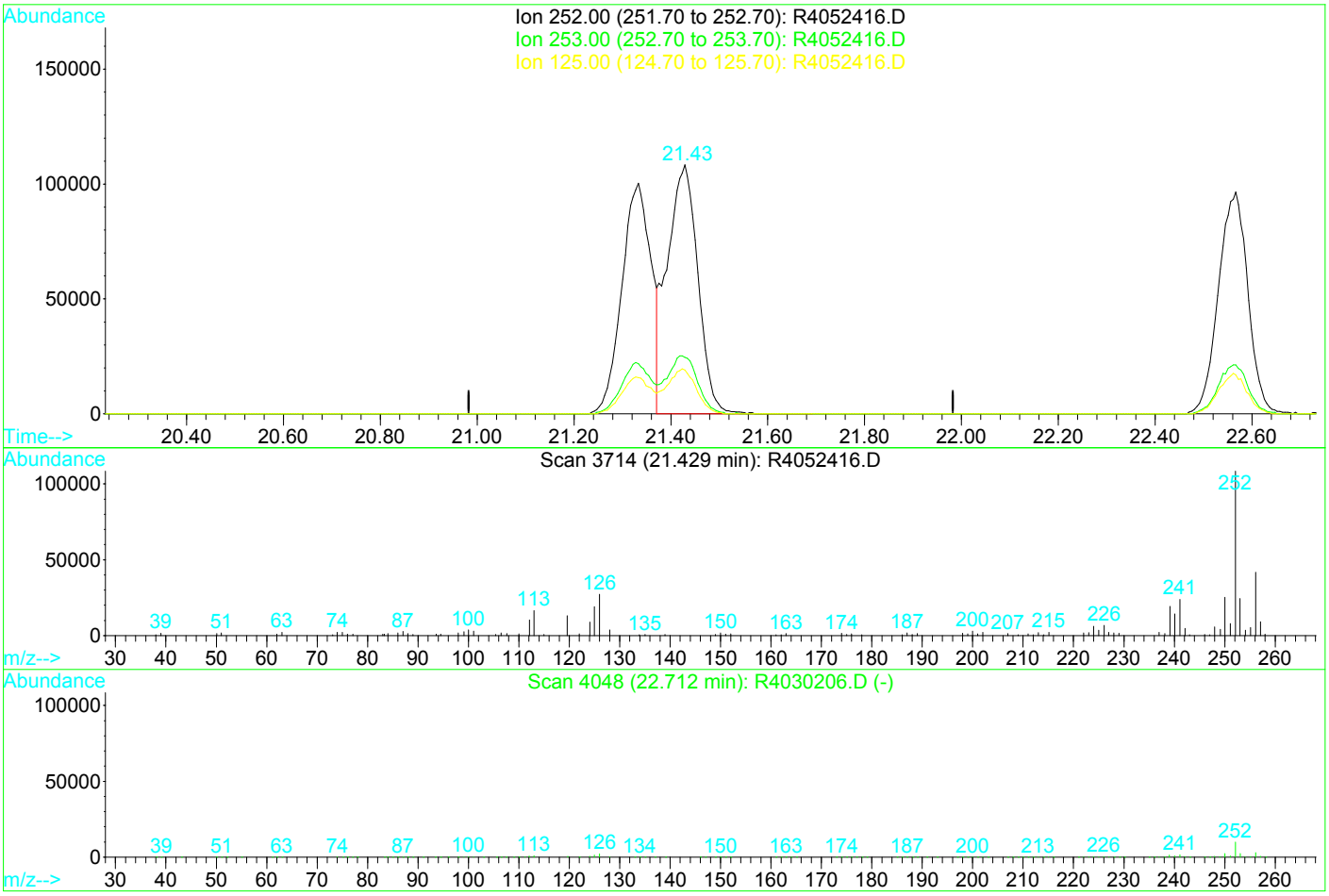
response 69319

Ion	Exp%	Act%
184.00	100	100
92.00	10.20	7.17
185.00	13.80	9.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:43 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052416.D

(107) Benzo[k]fluoranthene (T)

21.43min 42.43ng m

response 477305

Ion	Exp%	Act%
252.00	100	100
253.00	26.30	19.55
125.00	11.70	14.08
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	95	0.00
2		Pyridine	40.000	35.236	11.9	85	0.03
3	T	2-Picoline	40.000	44.959	-12.4	108	0.00
4	T	Methyl methanesulfonate	40.000	51.815	-29.5#	123	0.00
5	S	2-Fluorophenol	40.000	39.381	1.5	94	0.00
6	T	Ethyl methanesulfonate	40.000	37.344	6.6	89	0.00
7	T	Benzaldehyde	40.000	42.837	-7.1	124	0.00
8	T	Aniline	40.000	41.303	-3.3	106	0.00
9	S	Phenol-d5	40.000	40.201	-0.5	95	0.00
10	CCC	Phenol	40.000	38.420	3.9	90	0.00
11	T	Bis(2-chloroethyl)ether	40.000	38.822	2.9	92	0.00
12	T	2-Chlorophenol	40.000	37.713	5.7	90	0.00
13	T	1,3-Dichlorobenzene	40.000	38.070	4.8	91	0.00
14	CCC	1,4-Dichlorobenzene	40.000	37.826	5.4	89	0.00
15	T	1,2-Dichlorobenzene	40.000	38.168	4.6	90	0.00
16	T	Benzyl alcohol	40.000	37.047	7.4	88	0.00
17	T	Bis(2-chloroisopropyl)ether	40.000	39.215	2.0	92	0.00
18	T	2-Methylphenol	40.000	37.662	5.8	89	0.00
19	T	4-Methylphenol	80.000	74.346	7.1	86	-0.01
20	PC	N-Nitrosodi-n-propylamine	40.000	40.491	-1.2	97	-0.01
21	T	N-Nitrosodimethylamine	40.000	43.814	-9.5	106	0.00
22	T	Hexachloroethane	40.000	38.001	5.0	90	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	95	0.00
24	S	Nitrobenzene-d5	40.000	38.780	3.0	94	0.00
25	T	Acetophenone	40.000	76.989	-92.5#	184	0.00
26	M	Nitrobenzene	40.000	39.625	0.9	96	0.00
27	T	N-Nitrosopiperidine	40.000	36.739	8.2	89	-0.02
28	T	Isophorone	40.000	39.550	1.1	94	-0.01
29	CCC	2-Nitrophenol	40.000	38.847	2.9	93	0.00
30	T	2,4-Dimethylphenol	40.000	37.221	6.9	88	0.00
31	T	Bis(2-chloroethoxy)methane	40.000	35.564	11.1	85	0.00
32	CCC	2,4-Dichlorophenol	40.000	38.632	3.4	92	0.00
33	T	1,2,4-Trichlorobenzene	40.000	38.784	3.0	93	0.00
34	T	Naphthalene	40.000	38.581	3.5	92	0.00
35	T	Benzoic acid	40.000	55.789	-39.5#	0	-0.08

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	40.000	38.737	3.2	92	0.00
37	T	4-Chloroaniline	40.000	37.554	6.1	90	0.00
38	CCC	Hexachlorobutadiene	40.000	37.191	7.0	90	0.00
39	T	a,a-Dimethylphenethylamine	40.000	42.114	-5.3	105	-0.24
40	T	Caprolactam	40.000	38.030	4.9	87	-0.07
41	CCC	4-Chloro-3-methylphenol	40.000	37.695	5.8	92	-0.01
42	T	N-Nitrosodi-n-butylamine	40.000	40.145	-0.4	90	-0.01
43	T	2-Methylnaphthalene	40.000	37.518	6.2	89	0.00
44	T	1-Methylnaphthalene	40.000	37.272	6.8	89	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	95	0.00
46	T	1,2,4,5-Tetrachlorobenzene	40.000	38.439	3.9	91	0.00
47	PC	Hexachlorocyclopentadiene	40.000	30.906	22.7	73	0.00
48	CCC	2,4,6-Trichlorophenol	40.000	38.058	4.9	92	0.00
49	T	2,4,5-Trichlorophenol	40.000	38.948	2.6	96	0.00
50	S	2-Fluorobiphenyl	40.000	38.175	4.6	91	0.00
51	T	Biphenyl	40.000	37.171	7.1	88	0.00
52	T	2-Chloronaphthalene	40.000	35.222	11.9	83	0.00
53	T	1-Chloronaphthalene	40.000	42.692	-6.7	101	0.00
54	T	2-Nitroaniline	40.000	38.207	4.5	94	0.00
55	T	3-Nitroaniline	40.000	39.105	2.2	96	-0.01
56	T	Pentachlorobenzene	40.000	38.386	4.0	92	0.00
57	T	4-Nitroaniline	40.000	38.400	4.0	96	-0.03
58	T	2-Naphthylamine	40.000	38.550	3.6	91	0.00
59	T	1-Naphthylamine	40.000	35.235	11.9	86	-0.01
60	T	Dimethyl phthalate	40.000	37.617	6.0	90	0.00
61	T	Acenaphthylene	40.000	33.339	16.7	79	0.00
62	T	2,6-Dinitrotoluene	40.000	37.279	6.8	91	-0.01
63	CCC	Acenaphthene	40.000	38.405	4.0	92	0.00
64	PC	2,4-Dinitrophenol	40.000	35.147	12.1	90	-0.02
65	T	Dibenzofuran	40.000	37.878	5.3	90	0.00
66	PC	4-Nitrophenol	40.000	37.211	7.0	96	-0.01
67	M	2,4-Dinitrotoluene	40.000	38.225	4.4	94	-0.02
68	T	2,3,4,6-Tetrachlorophenol	40.000	36.193	9.5	91	0.00
69	T	Diethyl phthalate	40.000	39.172	2.1	95	-0.02
70	T	Fluorene	40.000	38.802	3.0	93	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	40.000	38.525	3.7	93	0.00
72	S	2,4,6-Tribromophenol	40.000	38.170	4.6	95	-0.01
73	I	Phenanthrene-d10	40.000	40.000	0.0	97	0.00
74	T	4,6-Dinitro-2-methylphenol	40.000	34.426	13.9	87	-0.03
75	T	Azobenzene	40.000	36.803	8.0	89	0.00
76	T	1,2-Diphenylhydrazine	40.000	36.250	9.4	87	-0.01
77	CCC	Diphenylamine	40.000	42.869	-7.2	105	-0.02
78	T	N-Nitrosodiphenylamine	40.000	42.312	-5.8	104	-0.02
79	T	4-Bromophenyl phenyl ether	40.000	35.296	11.8	86	0.00
80	T	Phenacetin	40.000	36.744	8.1	91	-0.03
81	T	Hexachlorobenzene	40.000	37.068	7.3	90	0.00
82	T	Atrazine	40.000	38.655	3.4	94	-0.03
83	T	4-Aminobiphenyl	40.000	35.601	11.0	86	0.00
84	CCC	Pentachlorophenol	40.000	33.074	17.3	86	-0.01
85	T	Pentachloronitrobenzene	40.000	36.202	9.5	90	-0.02
86	T	Pronamide	40.000	39.700	0.7	98	-0.02
87	T	Phenanthrene	40.000	38.130	4.7	93	-0.01
88	T	Anthracene	40.000	35.468	11.3	86	-0.01
89	T	Carbazole	40.000	35.321	11.7	87	-0.01
90	T	Di-n-butyl phthalate	40.000	36.217	9.5	88	0.00
91	CCC	Fluoranthene	40.000	36.866	7.8	90	0.00
92	I	Chrysene-d12	40.000	40.000	0.0	98	-0.01
93	T	Pyrene	40.000	36.082	9.8	87	0.00
94	S	4-Terphenyl-d14	40.000	38.017	5.0	93	0.00
95	T	Benzidine	40.000	34.513	13.7	107	0.00
96	T	Dimethylaminoazobenzene	40.000	35.354	11.6	86	0.00
97	T	Butyl benzyl phthalate	40.000	34.567	13.6	85	0.00
98	T	Benz(a)anthracene	40.000	35.218	12.0	87	-0.01
99	T	3,3'-Dichlorobenzidine	40.000	33.884	15.3	87	0.00
100	T	Chrysene	40.000	34.826	12.9	86	-0.02
101	T	Bis(2-ethylhexyl)phthalate	40.000	34.567	13.6	85	0.00
102	CCC	Di-n-octyl phthalate	40.000	35.972	10.1	90	-0.01
103	T	3-Methylchlolanthrene	40.000	32.390	19.0	83	-0.04
104	T	Indeno[1,2,3-cd]pyrene	40.000	35.434	11.4	89	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	96	0.00
106	T	Benzo[b]fluoranthene	40.000	35.630	10.9	88	-0.04
107	T	Benzo[k]fluoranthene	40.000	42.433	-6.1	98	-0.05
108	CCC	Benzo[a]pyrene	40.000	37.545	6.1	91	-0.03
109	T	Dibenz(a,j)acridine	40.000	37.551	6.1	91	-0.03
110	T	Dibenz(a,h)anthracene	40.000	37.147	7.1	90	-0.04
111	T	Benzo[g,h,i]perylene	40.000	38.311	4.2	92	-0.04

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2		Pyridine	1.558	1.372	11.9	85	0.03
3	T	2-Picoline	1.257	1.413	-12.4	108	0.00
4	T	Methyl methanesulfonate	0.729	0.944	-29.5#	123	0.00
5	S	2-Fluorophenol	1.314	1.294	1.5	94	0.00
6	T	Ethyl methanesulfonate	1.240	1.158	6.6	89	0.00
7	T	Benzaldehyde	0.146	0.161	-10.3	124	0.00
8	T	Aniline	0.944	0.975	-3.3	106	0.00
9	S	Phenol-d5	1.726	1.734	-0.5	95	0.00
10	CCC	Phenol	2.080	1.998	3.9	90	0.00
11	T	Bis(2-chloroethyl)ether	1.331	1.292	2.9	92	0.00
12	T	2-Chlorophenol	1.473	1.389	5.7	90	0.00
13	T	1,3-Dichlorobenzene	1.606	1.528	4.9	91	0.00
14	CCC	1,4-Dichlorobenzene	1.617	1.529	5.4	89	0.00
15	T	1,2-Dichlorobenzene	1.531	1.461	4.6	90	0.00
16	T	Benzyl alcohol	0.976	0.904	7.4	88	0.00
17	T	Bis(2-chloroisopropyl)ether	2.332	2.286	2.0	92	0.00
18	T	2-Methylphenol	1.254	1.180	5.9	89	0.00
19	T	4-Methylphenol	1.541	1.433	7.0	86	-0.01
20	PC	N-Nitrosodi-n-propylamine	1.234	1.249	-1.2	97	-0.01
21	T	N-Nitrosodimethylamine	0.769	0.842	-9.5	106	0.00
22	T	Hexachloroethane	0.677	0.643	5.0	90	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
24	S	Nitrobenzene-d5	0.480	0.465	3.1	94	0.00
25	T	Acetophenone	0.566	1.088	-92.2#	184#	0.00
26	M	Nitrobenzene	0.470	0.465	1.1	96	0.00
27	T	N-Nitrosopiperidine	0.195	0.179	8.2	89	-0.02
28	T	Isophorone	0.820	0.810	1.2	94	-0.01
29	CCC	2-Nitrophenol	0.201	0.195	3.0	93	0.00
30	T	2,4-Dimethylphenol	0.343	0.320	6.7	88	0.00
31	T	Bis(2-chloroethoxy)methane	0.490	0.436	11.0	85	0.00
32	CCC	2,4-Dichlorophenol	0.299	0.288	3.7	92	0.00
33	T	1,2,4-Trichlorobenzene	0.318	0.309	2.8	93	0.00
34	T	Naphthalene	1.110	1.071	3.5	92	0.00
35	T	Benzoic acid	0.113	0.042	62.8#	0#	-0.08

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.289	0.280	3.1	92	0.00
37	T	4-Chloroaniline	0.441	0.414	6.1	90	0.00
38	CCC	Hexachlorobutadiene	0.176	0.163	7.4	90	0.00
39	T	a,a-Dimethylphenethylamine	0.951	1.001	-5.3	105	-0.24
40	T	Caprolactam	0.234	0.222	5.1	87	-0.07
41	CCC	4-Chloro-3-methylphenol	0.359	0.338	5.8	92	-0.01
42	T	N-Nitrosodi-n-butylamine	0.371	0.373	-0.5	90	-0.01
43	T	2-Methylnaphthalene	0.771	0.724	6.1	89	0.00
44	T	1-Methylnaphthalene	0.775	0.722	6.8	89	0.00
45	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
46	T	1,2,4,5-Tetrachlorobenzene	0.528	0.507	4.0	91	0.00
47	PC	Hexachlorocyclopentadiene	0.266	0.201	24.4	73	0.00
48	CCC	2,4,6-Trichlorophenol	0.361	0.343	5.0	92	0.00
49	T	2,4,5-Trichlorophenol	0.380	0.370	2.6	96	0.00
50	S	2-Fluorobiphenyl	1.426	1.361	4.6	91	0.00
51	T	Biphenyl	1.810	1.682	7.1	88	0.00
52	T	2-Chloronaphthalene	1.327	1.169	11.9	83	0.00
53	T	1-Chloronaphthalene	1.041	1.111	-6.7	101	0.00
54	T	2-Nitroaniline	0.459	0.439	4.4	94	0.00
55	T	3-Nitroaniline	0.364	0.356	2.2	96	-0.01
56	T	Pentachlorobenzene	0.417	0.400	4.1	92	0.00
57	T	4-Nitroaniline	0.370	0.356	3.8	96	-0.03
58	T	2-Naphthylamine	1.169	1.127	3.6	91	0.00
59	T	1-Naphthylamine	1.221	1.075	12.0	86	-0.01
60	T	Dimethyl phthalate	1.426	1.341	6.0	90	0.00
61	T	Acenaphthylene	2.032	1.693	16.7	79	0.00
62	T	2,6-Dinitrotoluene	0.315	0.293	7.0	91	-0.01
63	CCC	Acenaphthene	1.176	1.129	4.0	92	0.00
64	PC	2,4-Dinitrophenol	0.145	0.124	14.5	90	-0.02
65	T	Dibenzofuran	1.736	1.644	5.3	90	0.00
66	PC	4-Nitrophenol	0.333	0.310	6.9	96	-0.01
67	M	2,4-Dinitrotoluene	0.416	0.397	4.6	94	-0.02
68	T	2,3,4,6-Tetrachlorophenol	0.279	0.252	9.7	91	0.00
69	T	Diethyl phthalate	1.455	1.425	2.1	95	-0.02
70	T	Fluorene	1.423	1.380	3.0	93	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.637	0.613	3.8	93	0.00
72	S	2,4,6-Tribromophenol	0.112	0.107	4.5	95	-0.01
73	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
74	T	4,6-Dinitro-2-methylphenol	0.148	0.127	14.2	87	-0.03
75	T	Azobenzene	1.115	1.026	8.0	89	0.00
76	T	1,2-Diphenylhydrazine	0.244	0.221	9.4	87	-0.01
77	CCC	Diphenylamine	0.152	0.163	-7.2	105	-0.02
78	T	N-Nitrosodiphenylamine	0.749	0.792	-5.7	104	-0.02
79	T	4-Bromophenyl phenyl ether	0.216	0.191	11.6	86	0.00
80	T	Phenacetin	0.499	0.458	8.2	91	-0.03
81	T	Hexachlorobenzene	0.194	0.179	7.7	90	0.00
82	T	Atrazine	0.234	0.227	3.0	94	-0.03
83	T	4-Aminobiphenyl	0.743	0.661	11.0	86	0.00
84	CCC	Pentachlorophenol	0.119	0.098	17.6	86	-0.01
85	T	Pentachloronitrobenzene	0.102	0.092	9.8	90	-0.02
86	T	Pronamide	0.368	0.365	0.8	98	-0.02
87	T	Phenanthrene	1.209	1.152	4.7	93	-0.01
88	T	Anthracene	1.296	1.150	11.3	86	-0.01
89	T	Carbazole	1.279	1.129	11.7	87	-0.01
90	T	Di-n-butyl phthalate	1.597	1.446	9.5	88	0.00
91	CCC	Fluoranthene	1.356	1.250	7.8	90	0.00
92	I	Chrysene-d12	1.000	1.000	0.0	98	-0.01
93	T	Pyrene	1.645	1.484	9.8	87	0.00
94	S	4-Terphenyl-d14	1.023	0.973	4.9	93	0.00
95	T	Benzidine	0.229	0.197	14.0	107	0.00
96	T	Dimethylaminoazobenzene	0.344	0.304	11.6	86	0.00
97	T	Butyl benzyl phthalate	0.888	0.768	13.5	85	0.00
98	T	Benz(a)anthracene	1.529	1.346	12.0	87	-0.01
99	T	3,3'-Dichlorobenzidine	0.463	0.393	15.1	87	0.00
100	T	Chrysene	1.420	1.237	12.9	86	-0.02
101	T	Bis(2-ethylhexyl)phthalate	1.216	1.051	13.6	85	0.00
102	CCC	Di-n-octyl phthalate	1.997	1.796	10.1	90	-0.01
103	T	3-Methylchlolanthrene	0.719	0.582	19.1	83	-0.04
104	T	Indeno[1,2,3-cd]pyrene	1.560	1.382	11.4	89	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052416.D Vial: 9
Acq On : 24 May 2004 7:49 pm Operator: YH
Sample : BNA40 2270 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	96	0.00
106	T	Benzo[b]fluoranthene	1.562	1.392	10.9	88	-0.04
107	T	Benzo[k]fluoranthene	1.502	1.593	-6.1	98	-0.05
108	CCC	Benzo[a]pyrene	1.453	1.364	6.1	91	-0.03
109	T	Dibenz(a,j)acridine	1.222	1.147	6.1	91	-0.03
110	T	Dibenz(a,h)anthracene	1.472	1.367	7.1	90	-0.04
111	T	Benzo[g,h,i]perylene	1.448	1.386	4.3	92	-0.04

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:53:08 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.08	152	120284	40.00	ng		0.00
23) Naphthalene-d8	6.58	136	461021	40.00	ng		0.00
45) Acenaphthene-d10	9.37	164	258952	40.00	ng		0.00
73) Phenanthrene-d10	12.26	188	413633	40.00	ng		0.00
92) Chrysene-d12	18.00	240	348719	40.00	ng		0.00
105) Perylene-d12	22.79	264	279548	40.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.80	112	477429	120.79	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 120.79%#				
9) Phenol-d5	4.81	99	606725	116.91	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 116.91%#				
24) Nitrobenzene-d5	5.73	82	648278	117.19	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 234.38%#				
50) 2-Fluorobiphenyl	8.20	172	1034250	112.01	ng		0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 224.02%#				
72) 2,4,6-Tribromophenol	10.90	330	87163	120.06	ng		0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 120.06%				
94) 4-Terphenyl-d14	15.67	244	1031696	115.64	ng		0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 231.28%#				
Target Compounds							Qvalue
2) Pyridine	1.95	79	493272	105.31	ng		96
3) 2-Picoline	3.03	93	518831	137.22	ng		99
4) Methyl methanesulfonate	3.61	80	306527	139.85	ng		99
6) Ethyl methanesulfonate	4.36	79	428853	114.99	ng		99
7) Benzaldehyde	4.63	105	131899	230.66	ng	#	73
8) Aniline	4.79	66	323244	113.86	ng		95
10) Phenol	4.82	94	690801	110.45	ng		98
11) Bis(2-chloroethyl)ether	4.84	63	467875	116.91	ng		100
12) 2-Chlorophenol	4.92	128	493315	111.37	ng		100
13) 1,3-Dichlorobenzene	5.04	146	546941	113.27	ng		100
14) 1,4-Dichlorobenzene	5.10	146	552613	113.62	ng		99
15) 1,2-Dichlorobenzene	5.31	146	521002	113.18	ng		100
16) Benzyl alcohol	5.27	108	341949	116.48	ng		99
17) Bis(2-chloroisopropyl)ethe	5.42	45	802940	114.49	ng		97
18) 2-Methylphenol	5.43	107	411515	109.16	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:53:08 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	4-Methylphenol	5.59	107	999218	215.56	ng	96
20)	N-Nitrosodi-n-propylamine	5.59	70	443477	119.56	ng	97
21)	N-Nitrosodimethylamine	1.94	42	275030	118.95	ng	98
22)	Hexachloroethane	5.65	117	236204	116.02	ng	100
25)	Acetophenone	5.56	105	1445126	221.72	ng	97
26)	Nitrobenzene	5.75	77	624761	115.38	ng	100
27)	N-Nitrosopiperidine	5.93	114	254010	113.17	ng	99
28)	Isophorone	6.02	82	1094974	115.91	ng	100
29)	2-Nitrophenol	6.13	139	280815	121.39	ng	99
30)	2,4-Dimethylphenol	6.19	122	421583	106.53	ng	99
31)	Bis(2-chloroethoxy)methane	6.28	93	594652	105.23	ng	99
32)	2,4-Dichlorophenol	6.44	162	395737	115.01	ng	100
33)	1,2,4-Trichlorobenzene	6.52	180	424513	115.66	ng	100
34)	Naphthalene	6.61	128	1430532	111.79	ng	100
35)	Benzoic acid	6.37	122	196572	119.05	ng	94
36)	2,6-Dichlorophenol	6.73	162	374700	112.59	ng	100
37)	4-Chloroaniline	6.71	127	544944	107.32	ng	95
38)	Hexachlorobutadiene	6.84	225	232659	114.86	ng	100
39)	a,a-Dimethylphenethylamine	6.99	58	1401190m	127.88	ng	
40)	Caprolactam	7.19	55	308737	114.48	ng	97
41)	4-Chloro-3-methylphenol	7.42	107	473488	114.58	ng	99
42)	N-Nitrosodi-n-butylamine	7.18	84	516556	120.71	ng	99
43)	2-Methylnaphthalene	7.58	142	967351	108.81	ng	100
44)	1-Methylnaphthalene	7.75	142	967540	108.33	ng	100
46)	1,2,4,5-Tetrachlorobenzene	7.91	216	394611	115.47	ng	99
47)	Hexachlorocyclopentadiene	7.93	237	175746	102.24	ng	99
48)	2,4,6-Trichlorophenol	8.08	196	267485	114.54	ng	100
49)	2,4,5-Trichlorophenol	8.17	196	285464	116.06	ng	98
51)	Biphenyl	8.35	154	1264917	107.97	ng	99
52)	2-Chloronaphthalene	8.37	162	896715	104.36	ng	99
53)	1-Chloronaphthalene	8.42	162	834649	123.87	ng	99
54)	2-Nitroaniline	8.60	65	356726	119.95	ng	99
55)	3-Nitroaniline	9.34	138	276314	117.11	ng	99
56)	Pentachlorobenzene	9.77	250	301236	111.54	ng	99
57)	4-Nitroaniline	10.53	138	278867	116.30	ng	100
58)	2-Naphthylamine	9.89	143	714934	94.45	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:53:08 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	10.03	143	695236	87.97	ng	100
60)	Dimethyl phthalate	8.96	163	1019221	110.44	ng	100
61)	Acenaphthylene	9.09	152	1262940	96.02	ng	99
62)	2,6-Dinitrotoluene	9.08	165	235451	115.63	ng	97
63)	Acenaphthene	9.43	154	864143	113.48	ng	99
64)	2,4-Dinitrophenol	9.53	184	130525	110.40	ng	98
65)	Dibenzofuran	9.72	168	1225761	109.08	ng	100
66)	4-Nitrophenol	9.73	65	262170	121.46	ng	99
67)	2,4-Dinitrotoluene	9.81	165	314159	116.74	ng	99
68)	2,3,4,6-Tetrachlorophenol	10.06	232	205975	114.15	ng	99
69)	Diethyl phthalate	10.30	149	1079224	114.59	ng	100
70)	Fluorene	10.38	166	1035546	112.41	ng	100
71)	4-Chlorophenyl phenyl ethe	10.39	204	461320	111.92	ng	99
74)	4,6-Dinitro-2-methylphenol	10.61	198	187849	109.05	ng	93
75)	Azobenzene	10.70	77	1270817	110.21	ng	99
76)	1,2-Diphenylhydrazine	10.70	182	281304	111.32	ng	100
77)	Diphenylamine	10.65	170	205169	130.73	ng	98
78)	N-Nitrosodiphenylamine	10.65	168	1012864	130.86	ng	100
79)	4-Bromophenyl phenyl ether	11.35	248	241741	108.02	ng	99
80)	Phenacetin	11.36	108	592062	114.82	ng	100
81)	Hexachlorobenzene	11.64	284	224762	112.30	ng	99
82)	Atrazine	11.81	200	275339	113.59	ng	100
83)	4-Aminobiphenyl	11.90	169	882807	114.94	ng	100
84)	Pentachlorophenol	12.03	266	145952	118.78	ng	99
85)	Pentachloronitrobenzene	12.18	237	122640	116.45	ng	100
86)	Pronamide	12.14	173	470929	123.71	ng	99
87)	Phenanthrene	12.30	178	1410018	112.82	ng	100
88)	Anthracene	12.40	178	1409088	105.11	ng	99
89)	Carbazole	12.76	167	1415315	107.05	ng	99
90)	Di-n-butyl phthalate	13.65	149	1807524	109.46	ng	99
91)	Fluoranthene	14.81	202	1542257	110.01	ng	100
93)	Pyrene	15.28	202	1554286	108.36	ng	99
95)	Benzidine	15.13	184	299551m	135.52	ng	
96)	Dimethylaminoazobenzene	16.01	225	335478	111.92	ng	99
97)	Butyl benzyl phthalate	16.81	149	850453	109.80	ng	100
98)	Benz(a)anthracene	17.96	228	1433166	107.54	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:53:08 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

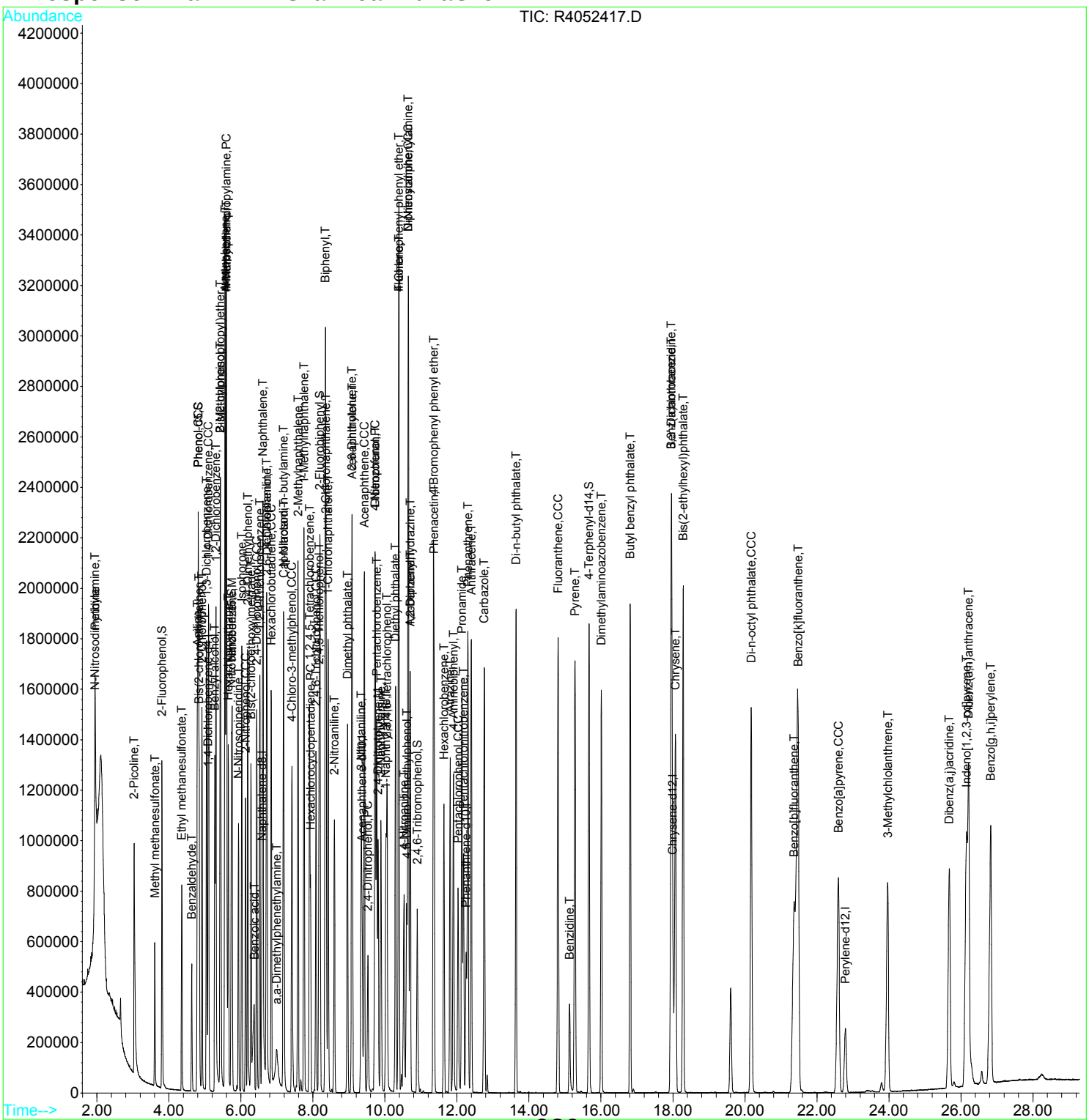
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.96	252	504203	124.79	ng		100
100)	Chrysene	18.07	228	1317868	106.43	ng		99
101)	Bis(2-ethylhexyl)phthalate	18.29	149	1161921	109.63	ng		100
102)	Di-n-octyl phthalate	20.17	149	2043379	117.38	ng		100
103)	3-Methylchlolanthrene	23.97	268	666237	106.30	ng		100
104)	Indeno[1,2,3-cd]pyrene	26.16	276	1570710	115.52	ng	#	99
106)	Benzo[b]fluoranthene	21.37	252	1415034	129.61	ng		92
107)	Benzo[k]fluoranthene	21.48	252	1370502m	130.57	ng		
108)	Benzo[a]pyrene	22.60	252	1315781	129.59	ng		100
109)	Dibenz(a,j)acridine	25.68	279	1131896	132.54	ng		100
110)	Dibenz(a,h)anthracene	26.21	278	1308497	127.18	ng		100
111)	Benzo[g,h,i]perylene	26.83	276	1336128	132.07	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: B052404.RES

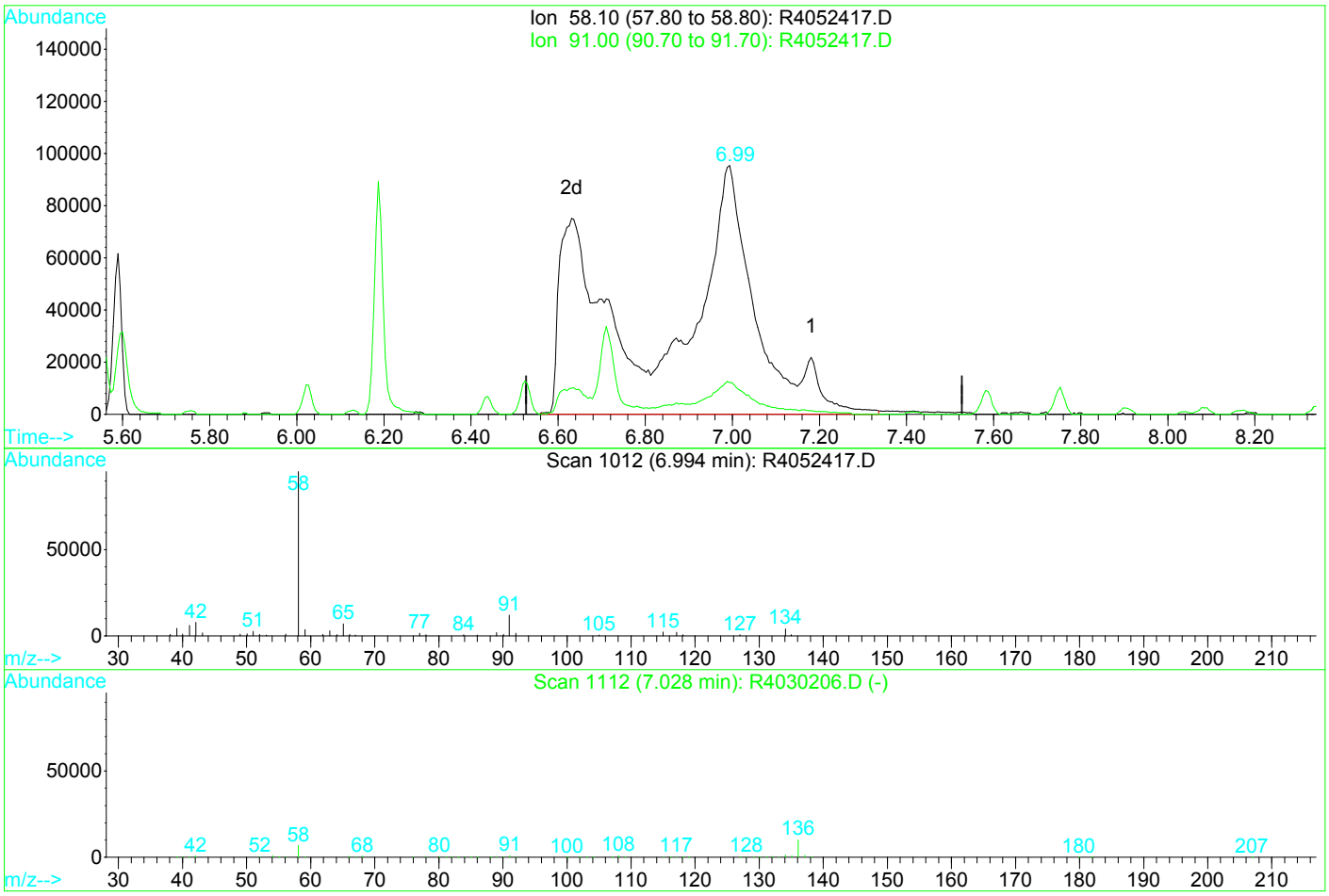
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052417.D

(39) a,a-Dimethylphenethylamine (T)

6.99min 127.88ng m

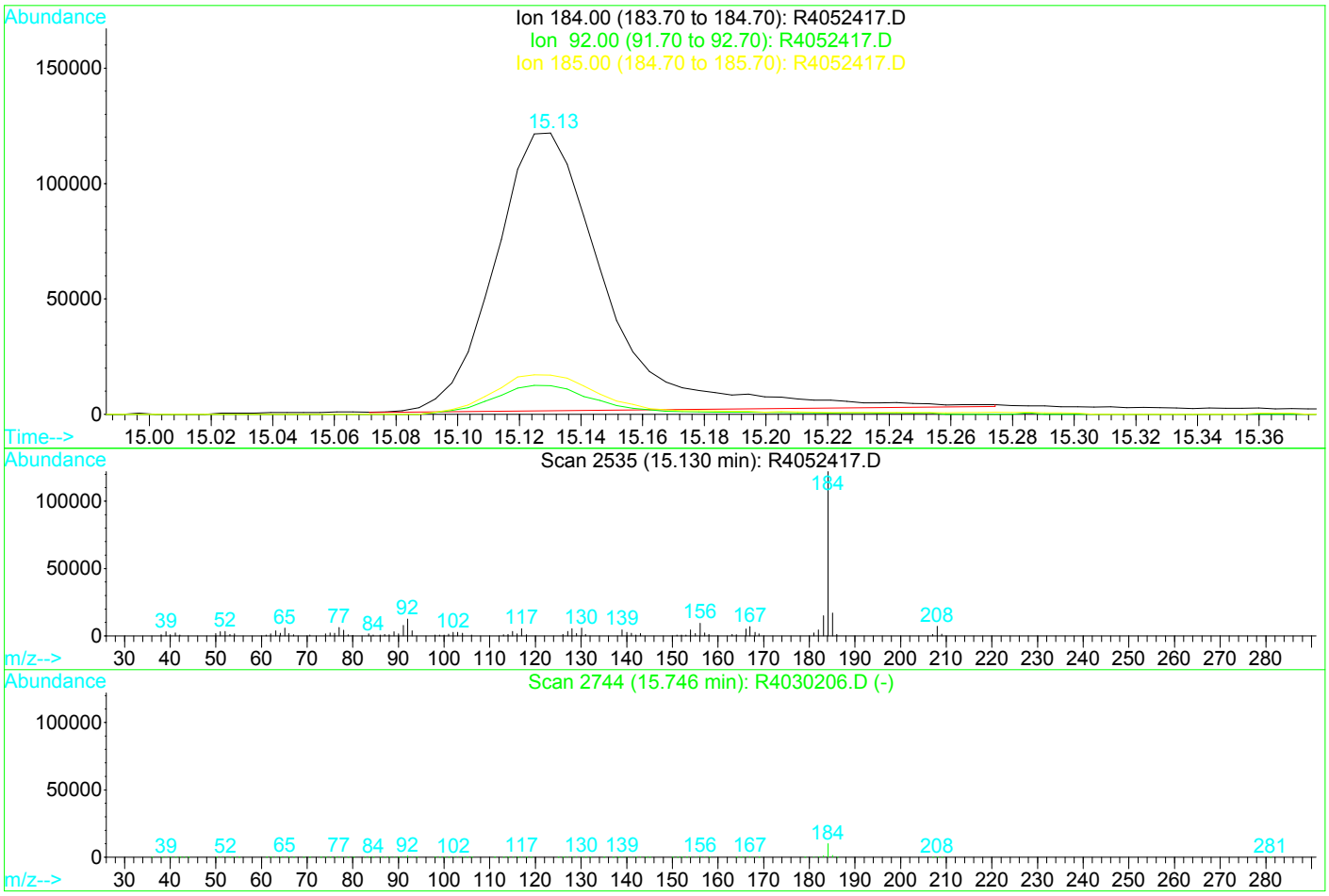
response 1401190

Ion	Exp%	Act%
58.10	100	100
91.00	2.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052417.D

(95) Benzidine (T)

15.13min 135.52ng m

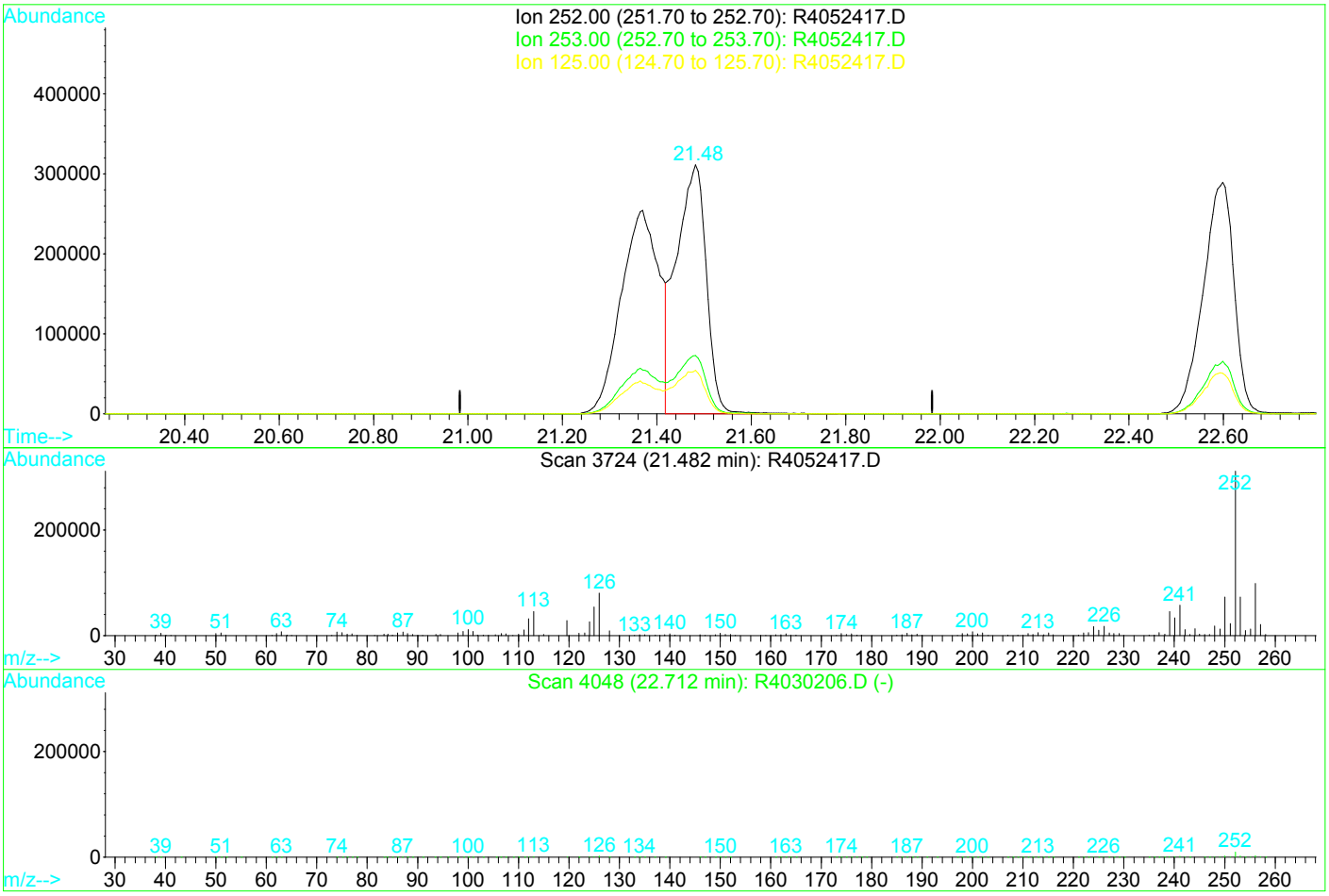
response 299551

Ion	Exp%	Act%
184.00	100	100
92.00	10.20	10.54
185.00	13.80	15.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 25 9:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration



TIC: R4052417.D

(107) Benzo[k]fluoranthene (T)

21.48min 130.57ng m

response 1370502

Ion	Exp%	Act%
252.00	100	100
253.00	26.30	23.33
125.00	11.70	16.12
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00
2		Pyridine	120.000	105.314	12.2	94	0.01
3	T	2-Picoline	120.000	137.224	-14.4	120	0.00
4	T	Methyl methanesulfonate	120.000	139.847	-16.5	124	0.00
5	S	2-Fluorophenol	120.000	120.785	-0.7	106	0.00
6	T	Ethyl methanesulfonate	120.000	114.991	4.2	102	0.00
7	T	Benzaldehyde	120.000	230.656	-92.2#	217	0.00
8	T	Aniline	120.000	113.864	5.1	106	0.00
9	S	Phenol-d5	120.000	116.912	2.6	106	0.00
10	CCC	Phenol	120.000	110.446	8.0	102	0.00
11	T	Bis(2-chloroethyl)ether	120.000	116.906	2.6	106	0.00
12	T	2-Chlorophenol	120.000	111.375	7.2	101	0.00
13	T	1,3-Dichlorobenzene	120.000	113.269	5.6	103	0.00
14	CCC	1,4-Dichlorobenzene	120.000	113.622	5.3	103	0.00
15	T	1,2-Dichlorobenzene	120.000	113.181	5.7	104	0.00
16	T	Benzyl alcohol	120.000	116.477	2.9	102	0.00
17	T	Bis(2-chloroisopropyl)ether	120.000	114.490	4.6	105	0.00
18	T	2-Methylphenol	120.000	109.163	9.0	99	0.00
19	T	4-Methylphenol	240.000	215.562	10.2	99	0.00
20	PC	N-Nitrosodi-n-propylamine	120.000	119.559	0.4	108	0.00
21	T	N-Nitrosodimethylamine	120.000	118.947	0.9	103	0.00
22	T	Hexachloroethane	120.000	116.023	3.3	103	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	107	0.00
24	S	Nitrobenzene-d5	120.000	117.195	2.3	105	0.00
25	T	Acetophenone	120.000	221.716	-84.8#	202	0.00
26	M	Nitrobenzene	120.000	115.379	3.9	105	0.00
27	T	N-Nitrosopiperidine	120.000	113.171	5.7	102	0.00
28	T	Isophorone	120.000	115.908	3.4	106	0.00
29	CCC	2-Nitrophenol	120.000	121.392	-1.2	105	0.00
30	T	2,4-Dimethylphenol	120.000	106.529	11.2	97	0.00
31	T	Bis(2-chloroethoxy)methane	120.000	105.231	12.3	96	0.00
32	CCC	2,4-Dichlorophenol	120.000	115.006	4.2	104	0.00
33	T	1,2,4-Trichlorobenzene	120.000	115.658	3.6	105	0.00
34	T	Naphthalene	120.000	111.786	6.8	104	0.00
35	T	Benzoic acid	120.000	119.048	0.8	111	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	112.592	6.2	103	0.00
37	T	4-Chloroaniline	120.000	107.315	10.6	101	0.00
38	CCC	Hexachlorobutadiene	120.000	114.864	4.3	104	0.00
39	T	a,a-Dimethylphenethylamine	120.000	127.882	-6.6	113	-0.03
40	T	Caprolactam	120.000	114.482	4.6	97	-0.02
41	CCC	4-Chloro-3-methylphenol	120.000	114.579	4.5	103	0.00
42	T	N-Nitrosodi-n-butylamine	120.000	120.708	-0.6	102	0.00
43	T	2-Methylnaphthalene	120.000	108.806	9.3	100	0.00
44	T	1-Methylnaphthalene	120.000	108.329	9.7	100	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	107	0.00
46	T	1,2,4,5-Tetrachlorobenzene	120.000	115.468	3.8	105	0.00
47	PC	Hexachlorocyclopentadiene	120.000	102.244	14.8	85	0.00
48	CCC	2,4,6-Trichlorophenol	120.000	114.540	4.5	102	0.00
49	T	2,4,5-Trichlorophenol	120.000	116.065	3.3	104	0.00
50	S	2-Fluorobiphenyl	120.000	112.013	6.7	104	0.00
51	T	Biphenyl	120.000	107.967	10.0	100	0.00
52	T	2-Chloronaphthalene	120.000	104.357	13.0	96	0.00
53	T	1-Chloronaphthalene	120.000	123.866	-3.2	113	0.00
54	T	2-Nitroaniline	120.000	119.946	0.0	103	0.00
55	T	3-Nitroaniline	120.000	117.114	2.4	102	0.00
56	T	Pentachlorobenzene	120.000	111.543	7.0	103	0.00
57	T	4-Nitroaniline	120.000	116.304	3.1	103	0.00
58	T	2-Naphthylamine	120.000	94.454	21.3#	84	0.00
59	T	1-Naphthylamine	120.000	87.968	26.7#	82	0.00
60	T	Dimethyl phthalate	120.000	110.436	8.0	101	0.00
61	T	Acenaphthylene	120.000	96.019	20.0	90	0.00
62	T	2,6-Dinitrotoluene	120.000	115.634	3.6	102	0.00
63	CCC	Acenaphthene	120.000	113.483	5.4	103	0.00
64	PC	2,4-Dinitrophenol	120.000	110.396	8.0	101	0.00
65	T	Dibenzofuran	120.000	109.079	9.1	102	0.00
66	PC	4-Nitrophenol	120.000	121.458	-1.2	104	0.00
67	M	2,4-Dinitrotoluene	120.000	116.741	2.7	103	0.00
68	T	2,3,4,6-Tetrachlorophenol	120.000	114.150	4.9	102	0.00
69	T	Diethyl phthalate	120.000	114.590	4.5	105	0.00
70	T	Fluorene	120.000	112.413	6.3	104	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	111.918	6.7	103	0.00
72	S	2,4,6-Tribromophenol	120.000	120.062	-0.1	105	0.00
73	I	Phenanthrene-d10	40.000	40.000	0.0	105	0.00
74	T	4,6-Dinitro-2-methylphenol	120.000	109.048	9.1	96	0.00
75	T	Azobenzene	120.000	110.210	8.2	98	0.00
76	T	1,2-Diphenylhydrazine	120.000	111.317	7.2	98	0.00
77	CCC	Diphenylamine	120.000	130.728	-8.9	116	0.00
78	T	N-Nitrosodiphenylamine	120.000	130.858	-9.0	114	0.00
79	T	4-Bromophenyl phenyl ether	120.000	108.023	10.0	95	0.00
80	T	Phenacetin	120.000	114.822	4.3	98	0.00
81	T	Hexachlorobenzene	120.000	112.300	6.4	98	0.00
82	T	Atrazine	120.000	113.590	5.3	101	0.00
83	T	4-Aminobiphenyl	120.000	114.936	4.2	101	0.00
84	CCC	Pentachlorophenol	120.000	118.779	1.0	96	0.00
85	T	Pentachloronitrobenzene	120.000	116.452	3.0	99	0.00
86	T	Pronamide	120.000	123.711	-3.1	107	0.00
87	T	Phenanthrene	120.000	112.817	6.0	101	0.00
88	T	Anthracene	120.000	105.107	12.4	95	0.00
89	T	Carbazole	120.000	107.047	10.8	96	0.00
90	T	Di-n-butyl phthalate	120.000	109.459	8.8	97	0.00
91	CCC	Fluoranthene	120.000	110.010	8.3	98	0.00
92	I	Chrysene-d12	40.000	40.000	0.0	104	0.00
93	T	Pyrene	120.000	108.365	9.7	96	0.00
94	S	4-Terphenyl-d14	120.000	115.643	3.6	101	0.00
95	T	Benzidine	120.000	135.523	-12.9	129	0.00
96	T	Dimethylaminoazobenzene	120.000	111.923	6.7	95	0.00
97	T	Butyl benzyl phthalate	120.000	109.804	8.5	93	0.00
98	T	Benz(a)anthracene	120.000	107.543	10.4	94	0.00
99	T	3,3'-Dichlorobenzidine	120.000	124.787	-4.0	107	0.00
100	T	Chrysene	120.000	106.428	11.3	94	0.00
101	T	Bis(2-ethylhexyl)phthalate	120.000	109.631	8.6	93	0.00
102	CCC	Di-n-octyl phthalate	120.000	117.375	2.2	99	0.00
103	T	3-Methylchlolanthrene	120.000	106.298	11.4	90	0.00
104	T	Indeno[1,2,3-cd]pyrene	120.000	115.522	3.7	98	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	92	0.00
106	T	Benzo[b]fluoranthene	120.000	129.609	-8.0	99	0.00
107	T	Benzo[k]fluoranthene	120.000	130.575	-8.8	103	0.00
108	CCC	Benzo[a]pyrene	120.000	129.588	-8.0	99	0.00
109	T	Dibenz(a,j)acridine	120.000	132.544	-10.5	100	0.00
110	T	Dibenz(a,h)anthracene	120.000	127.176	-6.0	97	0.00
111	T	Benzo[g,h,i]perylene	120.000	132.073	-10.1	100	0.00

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		Pyridine	1.558	1.367	12.3	94	0.01
3	T	2-Picoline	1.257	1.438	-14.4	120	0.00
4	T	Methyl methanesulfonate	0.729	0.849	-16.5	124	0.00
5	S	2-Fluorophenol	1.314	1.323	-0.7	106	0.00
6	T	Ethyl methanesulfonate	1.240	1.188	4.2	102	0.00
7	T	Benzaldehyde	0.146	0.366	-150.7#	217#	0.00
8	T	Aniline	0.944	0.896	5.1	106	0.00
9	S	Phenol-d5	1.726	1.681	2.6	106	0.00
10	CCC	Phenol	2.080	1.914	8.0	102	0.00
11	T	Bis(2-chloroethyl)ether	1.331	1.297	2.6	106	0.00
12	T	2-Chlorophenol	1.473	1.367	7.2	101	0.00
13	T	1,3-Dichlorobenzene	1.606	1.516	5.6	103	0.00
14	CCC	1,4-Dichlorobenzene	1.617	1.531	5.3	103	0.00
15	T	1,2-Dichlorobenzene	1.531	1.444	5.7	104	0.00
16	T	Benzyl alcohol	0.976	0.948	2.9	102	0.00
17	T	Bis(2-chloroisopropyl)ether	2.332	2.225	4.6	105	0.00
18	T	2-Methylphenol	1.254	1.140	9.1	99	0.00
19	T	4-Methylphenol	1.541	1.385	10.1	99	0.00
20	PC	N-Nitrosodi-n-propylamine	1.234	1.229	0.4	108	0.00
21	T	N-Nitrosodimethylamine	0.769	0.762	0.9	103	0.00
22	T	Hexachloroethane	0.677	0.655	3.2	103	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
24	S	Nitrobenzene-d5	0.480	0.469	2.3	105	0.00
25	T	Acetophenone	0.566	1.045	-84.6#	202#	0.00
26	M	Nitrobenzene	0.470	0.452	3.8	105	0.00
27	T	N-Nitrosopiperidine	0.195	0.184	5.6	102	0.00
28	T	Isophorone	0.820	0.792	3.4	106	0.00
29	CCC	2-Nitrophenol	0.201	0.203	-1.0	105	0.00
30	T	2,4-Dimethylphenol	0.343	0.305	11.1	97	0.00
31	T	Bis(2-chloroethoxy)methane	0.490	0.430	12.2	96	0.00
32	CCC	2,4-Dichlorophenol	0.299	0.286	4.3	104	0.00
33	T	1,2,4-Trichlorobenzene	0.318	0.307	3.5	105	0.00
34	T	Naphthalene	1.110	1.034	6.8	104	0.00
35	T	Benzoic acid	0.113	0.142	-25.7#	111	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.289	0.271	6.2	103	0.00
37	T	4-Chloroaniline	0.441	0.394	10.7	101	0.00
38	CCC	Hexachlorobutadiene	0.176	0.168	4.5	104	0.00
39	T	a,a-Dimethylphenethylamine	0.951	1.013	-6.5	113	-0.03
40	T	Caprolactam	0.234	0.223	4.7	97	-0.02
41	CCC	4-Chloro-3-methylphenol	0.359	0.342	4.7	103	0.00
42	T	N-Nitrosodi-n-butylamine	0.371	0.373	-0.5	102	0.00
43	T	2-Methylnaphthalene	0.771	0.699	9.3	100	0.00
44	T	1-Methylnaphthalene	0.775	0.700	9.7	100	0.00
45	I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00
46	T	1,2,4,5-Tetrachlorobenzene	0.528	0.508	3.8	105	0.00
47	PC	Hexachlorocyclopentadiene	0.266	0.226	15.0	85	0.00
48	CCC	2,4,6-Trichlorophenol	0.361	0.344	4.7	102	0.00
49	T	2,4,5-Trichlorophenol	0.380	0.367	3.4	104	0.00
50	S	2-Fluorobiphenyl	1.426	1.331	6.7	104	0.00
51	T	Biphenyl	1.810	1.628	10.1	100	0.00
52	T	2-Chloronaphthalene	1.327	1.154	13.0	96	0.00
53	T	1-Chloronaphthalene	1.041	1.074	-3.2	113	0.00
54	T	2-Nitroaniline	0.459	0.459	0.0	103	0.00
55	T	3-Nitroaniline	0.364	0.356	2.2	102	0.00
56	T	Pentachlorobenzene	0.417	0.388	7.0	103	0.00
57	T	4-Nitroaniline	0.370	0.359	3.0	103	0.00
58	T	2-Naphthylamine	1.169	0.920	21.3#	84	0.00
59	T	1-Naphthylamine	1.221	0.895	26.7#	82	0.00
60	T	Dimethyl phthalate	1.426	1.312	8.0	101	0.00
61	T	Acenaphthylene	2.032	1.626	20.0	90	0.00
62	T	2,6-Dinitrotoluene	0.315	0.303	3.8	102	0.00
63	CCC	Acenaphthene	1.176	1.112	5.4	103	0.00
64	PC	2,4-Dinitrophenol	0.145	0.168	-15.9	101	0.00
65	T	Dibenzofuran	1.736	1.578	9.1	102	0.00
66	PC	4-Nitrophenol	0.333	0.337	-1.2	104	0.00
67	M	2,4-Dinitrotoluene	0.416	0.404	2.9	103	0.00
68	T	2,3,4,6-Tetrachlorophenol	0.279	0.265	5.0	102	0.00
69	T	Diethyl phthalate	1.455	1.389	4.5	105	0.00
70	T	Fluorene	1.423	1.333	6.3	104	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.637	0.594	6.8	103	0.00
72	S	2,4,6-Tribromophenol	0.112	0.112	0.0	105	0.00
73	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
74	T	4,6-Dinitro-2-methylphenol	0.148	0.151	-2.0	96	0.00
75	T	Azobenzene	1.115	1.024	8.2	98	0.00
76	T	1,2-Diphenylhydrazine	0.244	0.227	7.0	98	0.00
77	CCC	Diphenylamine	0.152	0.165	-8.6	116	0.00
78	T	N-Nitrosodiphenylamine	0.749	0.816	-8.9	114	0.00
79	T	4-Bromophenyl phenyl ether	0.216	0.195	9.7	95	0.00
80	T	Phenacetin	0.499	0.477	4.4	98	0.00
81	T	Hexachlorobenzene	0.194	0.181	6.7	98	0.00
82	T	Atrazine	0.234	0.222	5.1	101	0.00
83	T	4-Aminobiphenyl	0.743	0.711	4.3	101	0.00
84	CCC	Pentachlorophenol	0.119	0.118	0.8	96	0.00
85	T	Pentachloronitrobenzene	0.102	0.099	2.9	99	0.00
86	T	Pronamide	0.368	0.380	-3.3	107	0.00
87	T	Phenanthrene	1.209	1.136	6.0	101	0.00
88	T	Anthracene	1.296	1.136	12.3	95	0.00
89	T	Carbazole	1.279	1.141	10.8	96	0.00
90	T	Di-n-butyl phthalate	1.597	1.457	8.8	97	0.00
91	CCC	Fluoranthene	1.356	1.243	8.3	98	0.00
92	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
93	T	Pyrene	1.645	1.486	9.7	96	0.00
94	S	4-Terphenyl-d14	1.023	0.986	3.6	101	0.00
95	T	Benzidine	0.229	0.286	-24.9#	129	0.00
96	T	Dimethylaminoazobenzene	0.344	0.321	6.7	95	0.00
97	T	Butyl benzyl phthalate	0.888	0.813	8.4	93	0.00
98	T	Benz(a)anthracene	1.529	1.370	10.4	94	0.00
99	T	3,3'-Dichlorobenzidine	0.463	0.482	-4.1	107	0.00
100	T	Chrysene	1.420	1.260	11.3	94	0.00
101	T	Bis(2-ethylhexyl)phthalate	1.216	1.111	8.6	93	0.00
102	CCC	Di-n-octyl phthalate	1.997	1.953	2.2	99	0.00
103	T	3-Methylchlolanthrene	0.719	0.637	11.4	90	0.00
104	T	Indeno[1,2,3-cd]pyrene	1.560	1.501	3.8	98	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40524\R4052417.D Vial: 10
Acq On : 24 May 2004 8:27 pm Operator: YH
Sample : BNA120 2238 Inst : GC/MS 10
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue May 25 09:30:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	92	0.00
106	T	Benzo[b]fluoranthene	1.562	1.687	-8.0	99	0.00
107	T	Benzo[k]fluoranthene	1.502	1.634	-8.8	103	0.00
108	CCC	Benzo[a]pyrene	1.453	1.569	-8.0	99	0.00
109	T	Dibenz(a,j)acridine	1.222	1.350	-10.5	100	0.00
110	T	Dibenz(a,h)anthracene	1.472	1.560	-6.0	97	0.00
111	T	Benzo[g,h,i]perylene	1.448	1.593	-10.0	100	0.00

Injection Log

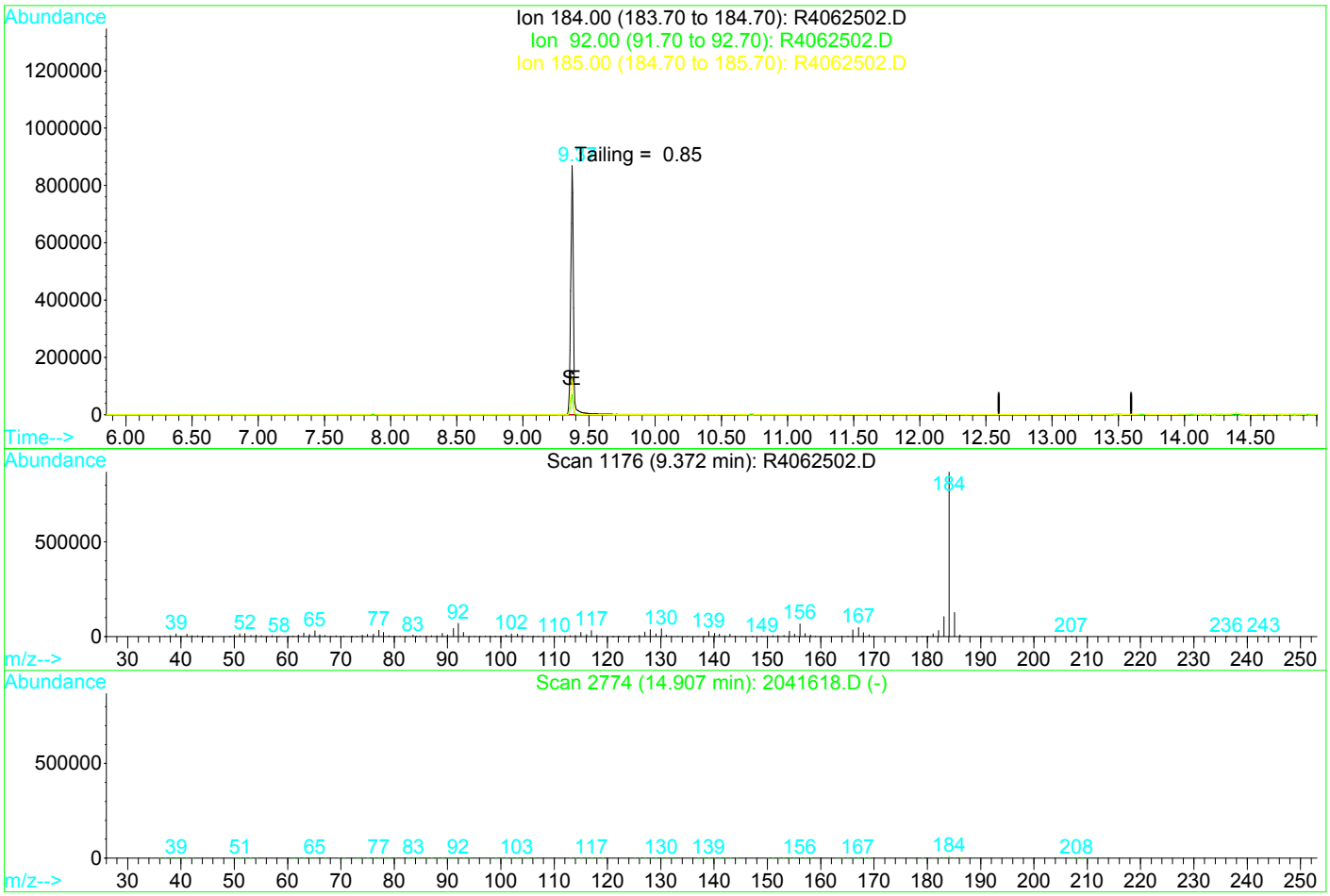
Directory: C:\HPCHEM\1\DATA\R40625

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	R4062501.D	1.	DFTPP	TUNE DFTPP_4	25 Jun 2004 09:23
2	1	R4062502.D	1.	DFTPP	TUNE DFTPP_4	25 Jun 2004 09:42
3	2	R4062503.D	1.	BNA40 2271	CCV 8270_TCL4.2_W	25 Jun 2004 10:05
4	3	R4062504.D	1.	MB-47036	MBLK 8270_TCL4.2_W	25 Jun 2004 10:47
5	4	R4062505.D	1.	LCS-47036	LCS 8270_TCL4.2_W	25 Jun 2004 11:24
6	5	R4062506.D	1.	0406B07-001C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 12:01
7	6	R4062507.D	1.	0406B07-002C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 12:39
8	7	R4062508.D	1.	0406B07-003C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 13:16
9	8	R4062509.D	1.	0406B07-004C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 13:53
10	9	R4062510.D	1.	0406B07-005C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 14:31
11	10	R4062511.D	1.	0406B07-006C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 15:09
12	11	R4062512.D	1.	0406B07-007C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 15:46
13	12	R4062513.D	1.	0406B07-008C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 16:24
14	13	R4062514.D	1.	0406B07-009C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 17:01
15	14	R4062515.D	1.	0406B07-010C 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 17:39
16	15	R4062516.D	1.	0406B33-001B 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 18:13
17	16	R4062517.D	1.	0406B33-002B 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 18:50
18	17	R4062518.D	1.	0406B07-001CMS 47036	MS 8270_TCL4.2_W	25 Jun 2004 19:28
19	18	R4062519.D	1.	0406B07-001CMSD 47036	MSD 8270_TCL4.2_W	25 Jun 2004 20:05
20	19	R4062520.D	1.	0406B07-006C 10x 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 20:43
21	20	R4062521.D	1.	0406B07-002C 2x 47036	SAMP 8270_TCL4.2_W	25 Jun 2004 21:20
22	21	R4062522.D	1.	MB-47075	MBLK 625_W	25 Jun 2004 21:58
23	22	R4062523.D	1.	LCS-47075	LCS 625_W	25 Jun 2004 22:35
24	23	R4062524.D	1.	0406A92-001A 47075	SAMP 625_W	25 Jun 2004 23:13
25	24	R4062525.D	1.	0406A92-001AMS 47075	MS 625_W	25 Jun 2004 23:51
26	25	R4062526.D	1.	0406A92-001AMSD 47075	MSD 625_W	26 Jun 2004 00:28
27	26	R4062527.D	1.	0406910-001B 47075	SAMP 625_W	26 Jun 2004 01:05
28	27	R4062528.D	1.	0406962-001C 47075	SAMP 625_W	26 Jun 2004 01:43
29	28	R4062529.D	1.	0406B26-001B 47075	SAMP 625_W	26 Jun 2004 02:20
30	29	R4062530.D	1.	0406955-001E 47075	SAMP 625_W	26 Jun 2004 02:58
31	30	R4062531.D	1.	0406A71-001B 47075	SAMP 625_W	26 Jun 2004 03:35
32	31	R4062532.D	1.	0406B24-001B 47075	SAMP 625_W	26 Jun 2004 04:13

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062502.D Vial: 1
Acq On : 25 Jun 2004 9:42 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 10:56 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062502.D

(7) Benzidine (T)

9.37min 0.00ng m

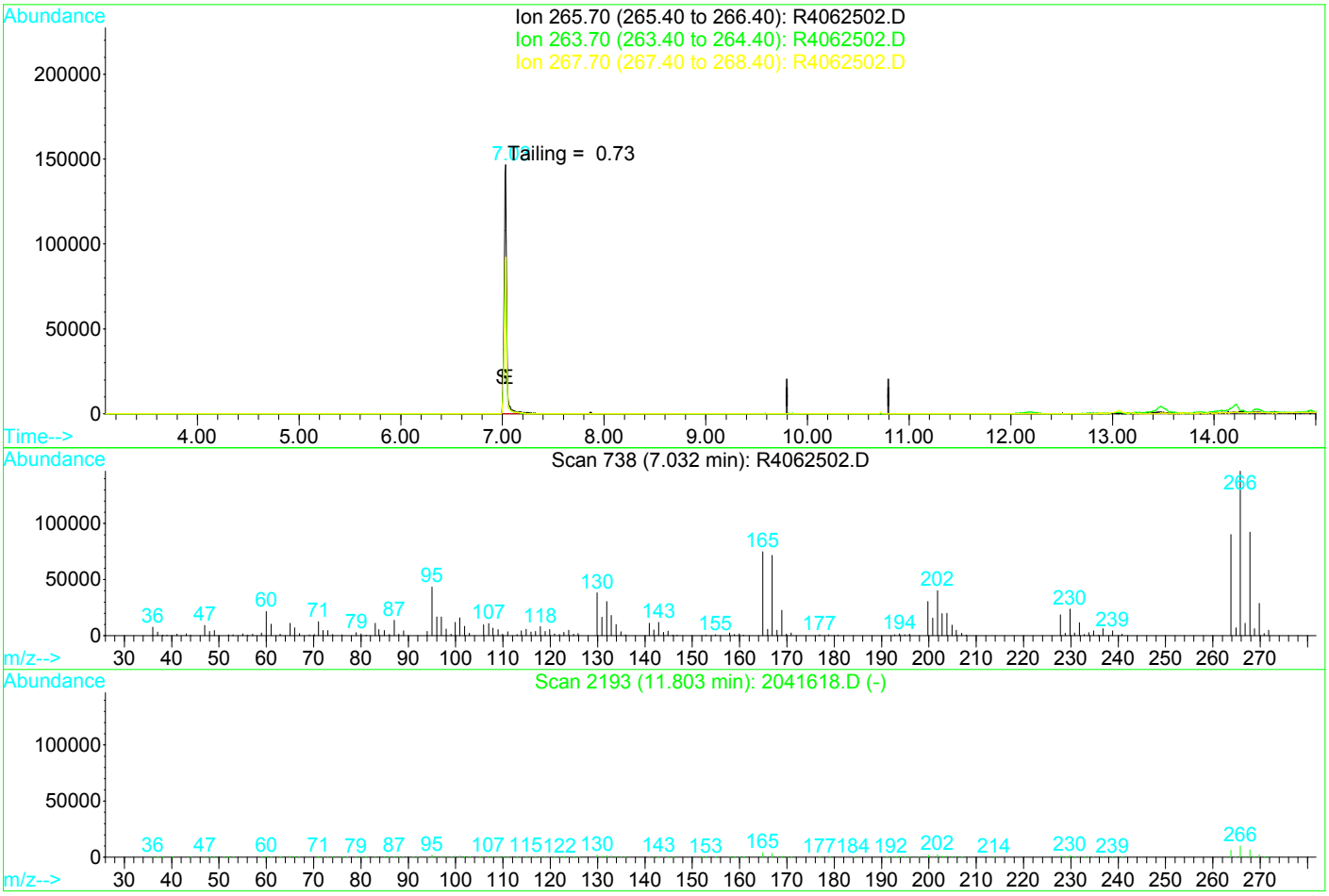
response 1280314

Ion	Exp%	Act%
184.00	100	100
92.00	11.30	0.00
185.00	14.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062502.D Vial: 1
Acq On : 25 Jun 2004 9:42 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 10:55 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062502.D

(5) Pentachlorophenol (CCC)

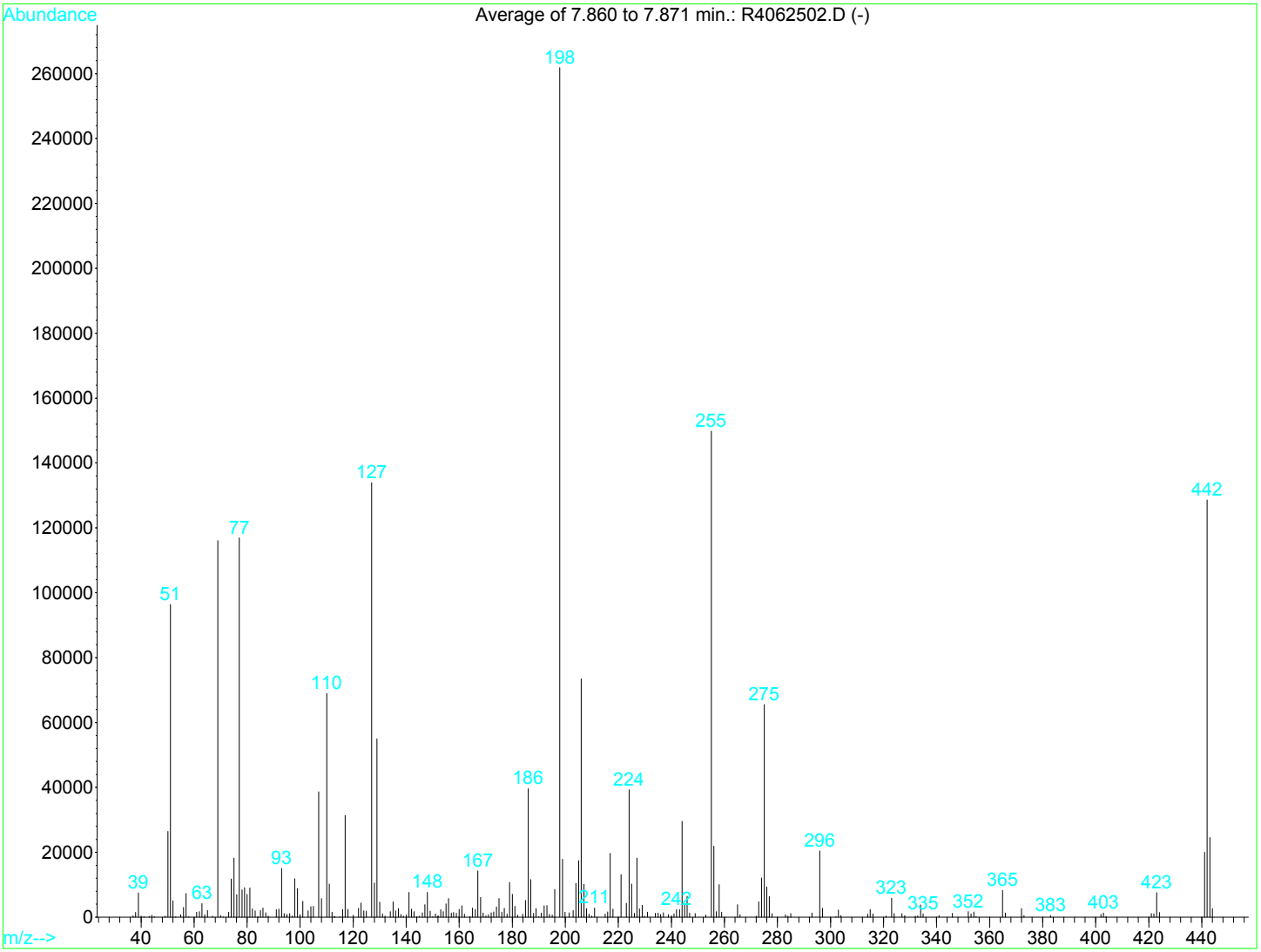
7.03min 0.00ng m

response 253054

Ion	Exp%	Act%
265.70	100	100
263.70	63.40	0.00#
267.70	63.70	0.00#
0.00	0.00	0.00

DFTPP 625 Results

C:\HPCHEM\1\DATA\R40625\R4062502.D Fri Jun 25 09:57:30 2004



Peak Apex is scan: 894
Average of 3 scans: 893,894,895 minus background scan 886

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	36.8	PASS
68	69	0	2	0.0	PASS
69	198	0	100	44.3	PASS
70	69	0	2	0.4	PASS
127	198	40	60	51.2	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	25.0	PASS
365	198	1	100	3.2	PASS
441	443	0	100	81.5	PASS
442	198	40	100	49.1	PASS
443	442	17	23	19.1	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\R40625\R4062502.D
Operator: YH
Date Acquired: 25 Jun 2004 9:42 am
Method File: DFTPP
Sample Name: DFTPP
Misc Info: TUNE DFTPP_4
Vial Number: 1

Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

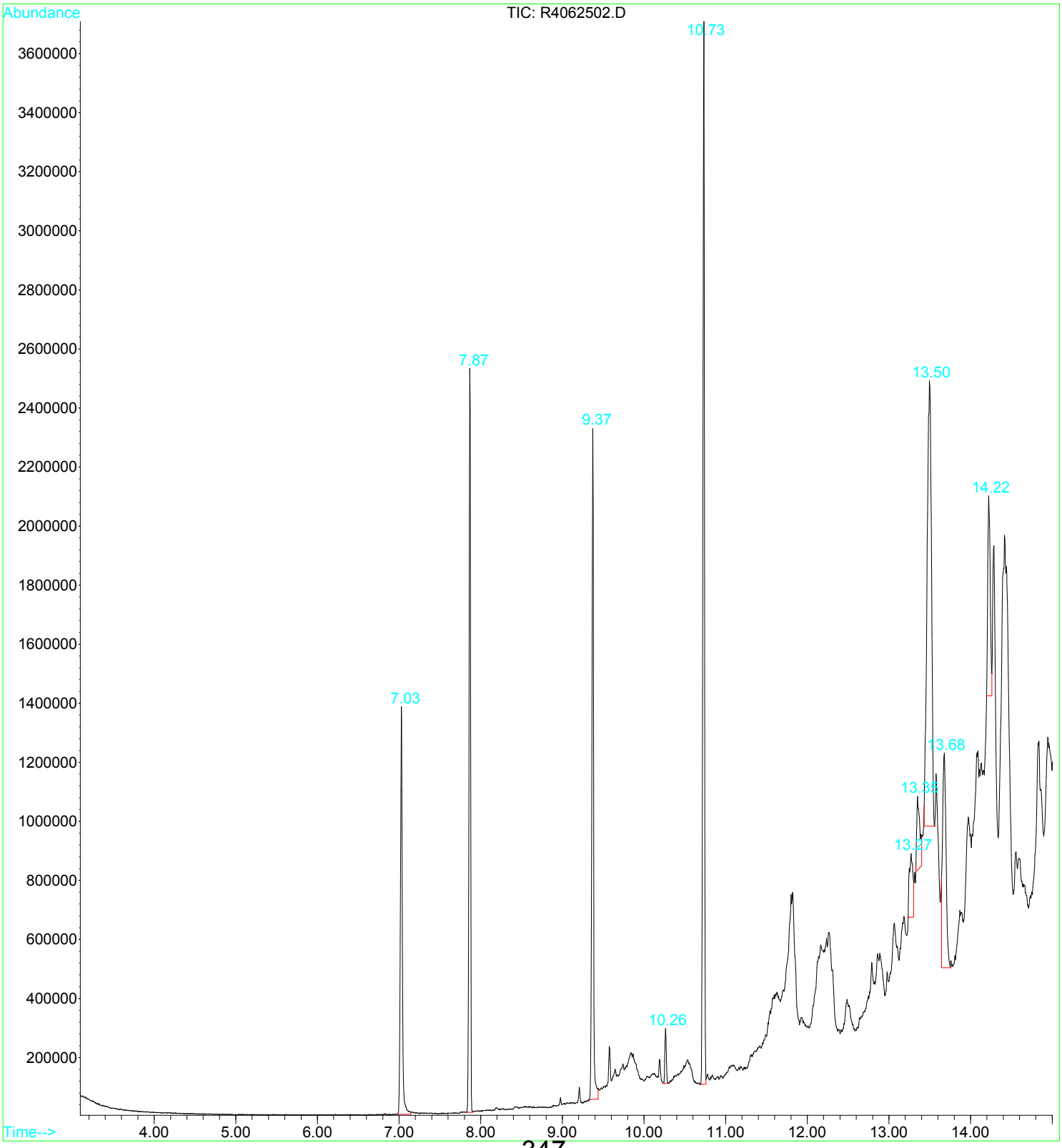
Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	7.03	9.77	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	92
2	7.87	13.29	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126125	005074-71-5	99
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
3	9.37	13.19	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	97
			Benzidine	125548	000092-87-5	95
			Benzidine	78849	000092-87-5	95
4	10.26	0.96	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloropheny	127280	000072-54-8	91
			3-Butanone, 1,1-bis(4-chlorophenyl	90533	1000158-20-4	86
			1,1-Dichloro-2,2-bis(p-chloropheny	127283	000072-54-8	80
5	10.73	19.43	C:\DATABASE\NIST98.L			
			o,p'-DDT	127279	000789-02-6	97
			1,1-Dichloro-2,2-bis(p-chloropheny	90535	000072-54-8	93
			Chlorophenothane	127284	000050-29-3	91
6	13.27	2.72	C:\DATABASE\NIST98.L			
			Oxirane, hexadecyl-	109681	007390-81-0	70
			1-Cyclohexylnonene	13371	114614-84-5	64
			Octadecanal	110029	000638-66-4	59
7	13.35	2.71	C:\DATABASE\NIST98.L			
			3-Heptadecene, (Z)-	13158	1000141-67-3	70
			Z-9-Hexadecen-1-ol acetate	5257	1000130-89-2	62
			E-11,13-Dimethyl-12-tetradecen-1-o	22661	1000130-81-0	62
8	13.50	23.34	C:\DATABASE\NIST98.L			
			4-Tetradecene, 2,3,4-trimethyl-	23101	055103-81-6	86
			9-Hexadecenoic acid, eicosyl ester	16778	022522-34-5	74
			1-Cyclohexylnonene	13371	114614-84-5	56

9	13.68	8.77	C:\DATABASE\NIST98.L			
			1-Nonadecene	42210	018435-45-5	86
			1-Octadecene	112297	000112-88-9	64
			17-Pentatriacontene	5525	006971-40-0	60
10	14.22	5.82	C:\DATABASE\NIST98.L			
			4-Tetradecene, 2,3,4-trimethyl-	23101	055103-81-6	89
			Cyclopentadecanone, 2-hydroxy-	13224	004727-18-8	83
			9-Hexadecenoic acid, eicosyl ester	16778	022522-34-5	70

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062502.D Vial: 1
Acq On : 25 Jun 2004 9:42 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



R4062502.D DFTPP.M Fri Jun 25 09:57:26 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062502.D Vial: 1
Acq On : 25 Jun 2004 9:42 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.027	728	737	759	rBV	1380867	2362074	41.84%	9.766%
2	7.865	887	894	901	rBV2	2518995	3214025	56.93%	13.288%
3	9.372	1168	1176	1188	rBV	2271565	3190225	56.51%	13.190%
4	10.264	1338	1343	1350	rBV	186192	232777	4.12%	0.962%
5	10.734	1423	1431	1436	rBV	3599507	4700328	83.26%	19.433%
6	13.272	1899	1906	1912	rBV6	215362	656886	11.64%	2.716%
7	13.352	1917	1921	1930	rVV4	240473	655501	11.61%	2.710%
8	13.496	1936	1948	1960	rVB3	1508898	5645434	100.00%	23.340%
9	13.678	1976	1982	1996	rVB4	726637	2121764	37.58%	8.772%
10	14.223	2079	2084	2091	rBV4	677162	1408288	24.95%	5.822%

Sum of corrected areas: 24187302

R4062502.D DFTPP.M Fri Jun 25 09:57:26 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	-0.02
2		Pyridine	1.558	1.794	-15.1	95	-0.01
3	T	2-Picoline	1.257	1.281	-1.9	85	-0.01
4	T	Methyl methanesulfonate	0.729	0.710	2.6	82	0.00
5	S	2-Fluorophenol	1.314	1.288	2.0	82	0.04
6	T	Ethyl methanesulfonate	1.240	1.127	9.1	76	-0.01
7	T	Benzaldehyde	0.146	0.413	-182.9#	0#	-0.02
8	T	Aniline	0.944	0.841	10.9	70	-0.01
9	S	Phenol-d5	1.726	1.584	8.2	75	0.03
10	CCC	Phenol	2.080	1.679	19.3	65	-0.04
11	T	Bis(2-chloroethyl)ether	1.331	1.189	10.7	73	-0.02
12	T	2-Chlorophenol	1.473	1.426	3.2	79	0.00
13	T	1,3-Dichlorobenzene	1.606	1.579	1.7	80	-0.03
14	CCC	1,4-Dichlorobenzene	1.617	1.639	-1.4	82	-0.02
15	T	1,2-Dichlorobenzene	1.531	1.539	-0.5	81	-0.03
16	T	Benzyl alcohol	0.976	0.957	1.9	83	0.00
17	T	Bis(2-chloroisopropyl)ether	2.332	1.883	19.3	66	-0.03
18	T	2-Methylphenol	1.254	1.176	6.2	77	0.01
19	T	4-Methylphenol	1.541	1.523	1.2	80	0.02
20	PC	N-Nitrosodi-n-propylamine	1.234	1.146	7.1	77	-0.03
21	T	N-Nitrosodimethylamine	0.769	0.797	-3.6	88	-0.02
22	T	Hexachloroethane	0.677	0.675	0.3	82	-0.03
23	I	Naphthalene-d8	1.000	1.000	0.0	81	-0.03
24	S	Nitrobenzene-d5	0.480	0.467	2.7	79	-0.02
25	T	Acetophenone	0.566	0.549	3.0	78	-0.02
26	M	Nitrobenzene	0.470	0.471	-0.2	81	-0.02
27	T	N-Nitrosopiperidine	0.195	0.187	4.1	79	-0.03
28	T	Isophorone	0.820	0.799	2.6	78	-0.03
29	CCC	2-Nitrophenol	0.201	0.200	0.5	85	-0.03
30	T	2,4-Dimethylphenol	0.343	0.334	2.6	78	0.00
31	T	Bis(2-chloroethoxy)methane	0.490	0.452	7.8	74	-0.02
32	CCC	2,4-Dichlorophenol	0.299	0.300	-0.3	82	0.00
33	T	1,2,4-Trichlorobenzene	0.318	0.313	1.6	79	-0.03
34	T	Naphthalene	1.110	1.123	-1.2	79	-0.03
35	T	Benzoic acid	0.113	0.334	-195.6#	0#	-0.18

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.289	0.293	-1.4	82	-0.01
37	T	4-Chloroaniline	0.441	0.425	3.6	74	-0.02
38	CCC	Hexachlorobutadiene	0.176	0.179	-1.7	82	-0.03
39	T	a,a-Dimethylphenethylamine	0.951	0.750	21.1#	64	-0.05
40	T	Caprolactam	0.234	0.230	1.7	94	-0.02
41	CCC	4-Chloro-3-methylphenol	0.359	0.354	1.4	81	0.02
42	T	N-Nitrosodi-n-butylamine	0.371	0.379	-2.2	99	-0.03
43	T	2-Methylnaphthalene	0.771	0.754	2.2	78	-0.03
44	T	1-Methylnaphthalene	0.775	0.765	1.3	79	-0.03
45	I	Acenaphthene-d10	1.000	1.000	0.0	79	-0.03
46	T	1,2,4,5-Tetrachlorobenzene	0.528	0.522	1.1	79	-0.03
47	PC	Hexachlorocyclopentadiene	0.266	0.230	13.5	75	-0.03
48	CCC	2,4,6-Trichlorophenol	0.361	0.361	0.0	81	0.00
49	T	2,4,5-Trichlorophenol	0.380	0.378	0.5	80	0.01
50	S	2-Fluorobiphenyl	1.426	1.450	-1.7	79	-0.03
51	T	Biphenyl	1.810	1.841	-1.7	79	-0.03
52	T	2-Chloronaphthalene	1.327	1.349	-1.7	79	-0.03
53	T	1-Chloronaphthalene	1.041	1.037	0.4	79	-0.03
54	T	2-Nitroaniline	0.459	0.443	3.5	81	-0.01
55	T	3-Nitroaniline	0.364	0.342	6.0	79	0.00
56	T	Pentachlorobenzene	0.417	0.396	5.0	74	-0.03
57	T	4-Nitroaniline	0.370	0.337	8.9	76	-0.01
58	T	2-Naphthylamine	1.169	1.039	11.1	71	-0.02
59	T	1-Naphthylamine	1.221	1.075	12.0	67	-0.02
60	T	Dimethyl phthalate	1.426	1.442	-1.1	80	-0.03
61	T	Acenaphthylene	2.032	2.047	-0.7	78	-0.03
62	T	2,6-Dinitrotoluene	0.315	0.317	-0.6	83	-0.02
63	CCC	Acenaphthene	1.176	1.164	1.0	78	-0.03
64	PC	2,4-Dinitrophenol	0.145	0.060	58.6#	48#	0.00
65	T	Dibenzofuran	1.736	1.731	0.3	77	-0.03
66	PC	4-Nitrophenol	0.333	0.314	5.7	83	0.06
67	M	2,4-Dinitrotoluene	0.416	0.415	0.2	83	-0.02
68	T	2,3,4,6-Tetrachlorophenol	0.279	0.243	12.9	72	-0.01
69	T	Diethyl phthalate	1.455	1.481	-1.8	80	-0.03
70	T	Fluorene	1.423	1.438	-1.1	79	-0.03

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.637	0.632	0.8	77	-0.03
72	S	2,4,6-Tribromophenol	0.112	0.099	11.6	74	-0.02
73	I	Phenanthrene-d10	1.000	1.000	0.0	78	-0.03
74	T	4,6-Dinitro-2-methylphenol	0.148	0.119	19.6	74	-0.02
75	T	Azobenzene	1.115	1.112	0.3	78	-0.03
76	T	1,2-Diphenylhydrazine	0.244	0.240	1.6	78	-0.03
77	CCC	Diphenylamine	0.152	0.151	0.7	77	-0.03
78	T	N-Nitrosodiphenylamine	0.749	0.745	0.5	78	-0.03
79	T	4-Bromophenyl phenyl ether	0.216	0.208	3.7	76	-0.03
80	T	Phenacetin	0.499	0.499	0.0	82	-0.02
81	T	Hexachlorobenzene	0.194	0.177	8.8	72	-0.04
82	T	Atrazine	0.234	0.245	-4.7	81	-0.02
83	T	4-Aminobiphenyl	0.743	0.599	19.4	64	-0.03
84	CCC	Pentachlorophenol	0.119	0.112	5.9	0#	-0.01
85	T	Pentachloronitrobenzene	0.102	0.115	-12.7	91	-0.03
86	T	Pronamide	0.368	0.383	-4.1	84	-0.02
87	T	Phenanthrene	1.209	1.223	-1.2	78	-0.03
88	T	Anthracene	1.296	1.324	-2.2	79	-0.03
89	T	Carbazole	1.279	1.268	0.9	78	-0.02
90	T	Di-n-butyl phthalate	1.597	1.684	-5.4	84	-0.03
91	CCC	Fluoranthene	1.356	1.357	-0.1	78	-0.03
92	I	Chrysene-d12	1.000	1.000	0.0	80	-0.04
93	T	Pyrene	1.645	1.614	1.9	77	-0.03
94	S	4-Terphenyl-d14	1.023	0.966	5.6	75	-0.03
95	T	Benzidine	0.303	0.320	-5.6	0#	-0.02
96	T	Dimethylaminoazobenzene	0.344	0.330	4.1	79	-0.03
97	T	Butyl benzyl phthalate	0.888	0.949	-6.9	88	-0.03
98	T	Benz(a)anthracene	1.529	1.528	0.1	80	-0.04
99	T	3,3'-Dichlorobenzidine	0.463	0.476	-2.8	86	-0.02
100	T	Chrysene	1.420	1.447	-1.9	81	-0.04
101	T	Bis(2-ethylhexyl)phthalate	1.216	1.398	-15.0	95	-0.05
102	CCC	Di-n-octyl phthalate	1.997	2.358	-18.1	100	-0.05
103	T	3-Methylchlolanthrene	0.719	0.731	-1.7	86	-0.06
104	T	Indeno[1,2,3-cd]pyrene	1.560	1.319	15.4	73	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	86	-0.05
106	T	Benzo[b]fluoranthene	1.562	1.511	3.3	85	-0.05
107	T	Benzo[k]fluoranthene	1.502	1.557	-3.7	91	-0.06
108	CCC	Benzo[a]pyrene	1.453	1.439	1.0	87	-0.06
109	T	Dibenz(a,j)acridine	1.222	1.181	3.4	87	-0.05
110	T	Dibenz(a,h)anthracene	1.472	1.402	4.8	84	-0.04
111	T	Benzo[g,h,i]perylene	1.448	1.416	2.2	87	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	82	-0.02
2		Pyridine	20.000	23.039	-15.2	95	-0.01
3	T	2-Picoline	20.000	20.384	-1.9	85	-0.01
4	T	Methyl methanesulfonate	20.000	19.485	2.6	82	0.00
5	S	2-Fluorophenol	20.000	19.591	2.0	82	0.04
6	T	Ethyl methanesulfonate	20.000	18.174	9.1	76	-0.01
7	T	Benzaldehyde	20.000	51.932	-159.7#	0	-0.02
8	T	Aniline	20.000	17.819	10.9	70	-0.01
9	S	Phenol-d5	20.000	18.362	8.2	75	0.03
10	CCC	Phenol	20.000	16.149	19.3	65	-0.04
11	T	Bis(2-chloroethyl)ether	20.000	17.871	10.6	73	-0.02
12	T	2-Chlorophenol	20.000	19.368	3.2	79	0.00
13	T	1,3-Dichlorobenzene	20.000	19.669	1.7	80	-0.03
14	CCC	1,4-Dichlorobenzene	20.000	20.273	-1.4	82	-0.02
15	T	1,2-Dichlorobenzene	20.000	20.112	-0.6	81	-0.03
16	T	Benzyl alcohol	20.000	19.608	2.0	83	0.00
17	T	Bis(2-chloroisopropyl)ether	20.000	16.146	19.3	66	-0.03
18	T	2-Methylphenol	20.000	18.764	6.2	77	0.01
19	T	4-Methylphenol	40.000	39.512	1.2	80	0.02
20	PC	N-Nitrosodi-n-propylamine	20.000	18.579	7.1	77	-0.03
21	T	N-Nitrosodimethylamine	20.000	20.728	-3.6	88	-0.02
22	T	Hexachloroethane	20.000	19.937	0.3	82	-0.03
23	I	Naphthalene-d8	40.000	40.000	0.0	81	-0.03
24	S	Nitrobenzene-d5	20.000	19.451	2.7	79	-0.02
25	T	Acetophenone	20.000	19.425	2.9	78	-0.02
26	M	Nitrobenzene	20.000	20.069	-0.3	81	-0.02
27	T	N-Nitrosopiperidine	20.000	19.220	3.9	79	-0.03
28	T	Isophorone	20.000	19.487	2.6	78	-0.03
29	CCC	2-Nitrophenol	20.000	19.881	0.6	85	-0.03
30	T	2,4-Dimethylphenol	20.000	19.463	2.7	78	0.00
31	T	Bis(2-chloroethoxy)methane	20.000	18.433	7.8	74	-0.02
32	CCC	2,4-Dichlorophenol	20.000	20.068	-0.3	82	0.00
33	T	1,2,4-Trichlorobenzene	20.000	19.683	1.6	79	-0.03
34	T	Naphthalene	20.000	20.225	-1.1	79	-0.03
35	T	Benzoic acid	20.000	76.329	-281.6#	0	-0.18

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	20.000	20.308	-1.5	82	-0.01
37	T	4-Chloroaniline	20.000	19.300	3.5	74	-0.02
38	CCC	Hexachlorobutadiene	20.000	20.398	-2.0	82	-0.03
39	T	a,a-Dimethylphenethylamine	20.000	15.782	21.1#	64	-0.05
40	T	Caprolactam	20.000	19.633	1.8	94	-0.02
41	CCC	4-Chloro-3-methylphenol	20.000	19.756	1.2	81	0.02
42	T	N-Nitrosodi-n-butylamine	20.000	20.406	-2.0	99	-0.03
43	T	2-Methylnaphthalene	20.000	19.541	2.3	78	-0.03
44	T	1-Methylnaphthalene	20.000	19.735	1.3	79	-0.03
45	I	Acenaphthene-d10	40.000	40.000	0.0	79	-0.03
46	T	1,2,4,5-Tetrachlorobenzene	20.000	19.763	1.2	79	-0.03
47	PC	Hexachlorocyclopentadiene	20.000	17.306	13.5	75	-0.03
48	CCC	2,4,6-Trichlorophenol	20.000	20.011	-0.1	81	0.00
49	T	2,4,5-Trichlorophenol	20.000	19.924	0.4	80	0.01
50	S	2-Fluorobiphenyl	20.000	20.336	-1.7	79	-0.03
51	T	Biphenyl	20.000	20.342	-1.7	79	-0.03
52	T	2-Chloronaphthalene	20.000	20.324	-1.6	79	-0.03
53	T	1-Chloronaphthalene	20.000	19.927	0.4	79	-0.03
54	T	2-Nitroaniline	20.000	19.279	3.6	81	-0.01
55	T	3-Nitroaniline	20.000	18.747	6.3	79	0.00
56	T	Pentachlorobenzene	20.000	18.965	5.2	74	-0.03
57	T	4-Nitroaniline	20.000	18.176	9.1	76	-0.01
58	T	2-Naphthylamine	20.000	17.770	11.2	71	-0.02
59	T	1-Naphthylamine	20.000	17.606	12.0	67	-0.02
60	T	Dimethyl phthalate	20.000	20.231	-1.2	80	-0.03
61	T	Acenaphthylene	20.000	20.150	-0.7	78	-0.03
62	T	2,6-Dinitrotoluene	20.000	20.180	-0.9	83	-0.02
63	CCC	Acenaphthene	20.000	19.797	1.0	78	-0.03
64	PC	2,4-Dinitrophenol	20.000	16.659	16.7	48	0.00
65	T	Dibenzofuran	20.000	19.943	0.3	77	-0.03
66	PC	4-Nitrophenol	20.000	18.822	5.9	83	0.06
67	M	2,4-Dinitrotoluene	20.000	19.958	0.2	83	-0.02
68	T	2,3,4,6-Tetrachlorophenol	20.000	17.439	12.8	72	-0.01
69	T	Diethyl phthalate	20.000	20.358	-1.8	80	-0.03
70	T	Fluorene	20.000	20.210	-1.1	79	-0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	20.000	19.867	0.7	77	-0.03
72	S	2,4,6-Tribromophenol	20.000	17.676	11.6	74	-0.02
73	I	Phenanthrene-d10	40.000	40.000	0.0	78	-0.03
74	T	4,6-Dinitro-2-methylphenol	20.000	18.988	5.1	74	-0.02
75	T	Azobenzene	20.000	19.953	0.2	78	-0.03
76	T	1,2-Diphenylhydrazine	20.000	19.664	1.7	78	-0.03
77	CCC	Diphenylamine	20.000	19.854	0.7	77	-0.03
78	T	N-Nitrosodiphenylamine	20.000	19.897	0.5	78	-0.03
79	T	4-Bromophenyl phenyl ether	20.000	19.219	3.9	76	-0.03
80	T	Phenacetin	20.000	20.028	-0.1	82	-0.02
81	T	Hexachlorobenzene	20.000	18.257	8.7	72	-0.04
82	T	Atrazine	20.000	20.935	-4.7	81	-0.02
83	T	4-Aminobiphenyl	20.000	16.134	19.3	64	-0.03
84	CCC	Pentachlorophenol	20.000	18.831	5.8	0	-0.01
85	T	Pentachloronitrobenzene	20.000	22.500	-12.5	91	-0.03
86	T	Pronamide	20.000	20.805	-4.0	84	-0.02
87	T	Phenanthrene	20.000	20.239	-1.2	78	-0.03
88	T	Anthracene	20.000	20.421	-2.1	79	-0.03
89	T	Carbazole	20.000	19.828	0.9	78	-0.02
90	T	Di-n-butyl phthalate	20.000	21.092	-5.5	84	-0.03
91	CCC	Fluoranthene	20.000	20.017	-0.1	78	-0.03
92	I	Chrysene-d12	40.000	40.000	0.0	80	-0.04
93	T	Pyrene	20.000	19.624	1.9	77	-0.03
94	S	4-Terphenyl-d14	20.000	18.889	5.6	75	-0.03
95	T	Benzidine	20.000	21.124	-5.6	0	-0.02
96	T	Dimethylaminoazobenzene	20.000	19.202	4.0	79	-0.03
97	T	Butyl benzyl phthalate	20.000	21.367	-6.8	88	-0.03
98	T	Benz(a)anthracene	20.000	19.995	0.0	80	-0.04
99	T	3,3'-Dichlorobenzidine	20.000	20.526	-2.6	86	-0.02
100	T	Chrysene	20.000	20.380	-1.9	81	-0.04
101	T	Bis(2-ethylhexyl)phthalate	20.000	22.998	-15.0	95	-0.05
102	CCC	Di-n-octyl phthalate	20.000	23.619	-18.1	100	-0.05
103	T	3-Methylchlolanthrene	20.000	20.350	-1.8	86	-0.06
104	T	Indeno[1,2,3-cd]pyrene	20.000	16.917	15.4	73	-0.05

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	86	-0.05
106	T	Benzo[b]fluoranthene	20.000	19.339	3.3	85	-0.05
107	T	Benzo[k]fluoranthene	20.000	20.729	-3.6	91	-0.06
108	CCC	Benzo[a]pyrene	20.000	19.809	1.0	87	-0.06
109	T	Dibenz(a,j)acridine	20.000	19.325	3.4	87	-0.05
110	T	Dibenz(a,h)anthracene	20.000	19.040	4.8	84	-0.04
111	T	Benzo[g,h,i]perylene	20.000	19.567	2.2	87	-0.04

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.85	152	103476	40.00	ng		-0.02
23) Naphthalene-d8	6.30	136	385370	40.00	ng		-0.03
45) Acenaphthene-d10	9.02	164	215782	40.00	ng		-0.03
73) Phenanthrene-d10	11.87	188	355213	40.00	ng		-0.03
92) Chrysene-d12	17.52	240	309871	40.00	ng		-0.04
105) Perylene-d12	22.04	264	287521	40.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	3.65	112	66617	19.59	ng		0.04
Spiked Amount 100.000	Range 21 - 110		Recovery = 19.59%#				
9) Phenol-d5	4.64	99	81976	18.36	ng		0.03
Spiked Amount 100.000	Range 10 - 110		Recovery = 18.36%				
24) Nitrobenzene-d5	5.48	82	89941	19.45	ng		-0.02
Spiked Amount 50.000	Range 34 - 114		Recovery = 38.90%				
50) 2-Fluorobiphenyl	7.88	172	156462	20.34	ng		-0.03
Spiked Amount 50.000	Range 43 - 116		Recovery = 40.68%#				
72) 2,4,6-Tribromophenol	10.55	330	10693	17.68	ng		-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 17.68%				
94) 4-Terphenyl-d14	15.28	244	149743	18.89	ng		-0.03
Spiked Amount 50.000	Range 33 - 141		Recovery = 37.78%				
Target Compounds							Qvalue
2) Pyridine	1.69	79	92832	23.04	ng	#	92
3) 2-Picoline	2.82	93	66301	20.38	ng		98
4) Methyl methanesulfonate	3.40	80	36741	19.49	ng		97
6) Ethyl methanesulfonate	4.15	79	58308	18.17	ng		97
7) Benzaldehyde	4.41	105	21361	51.93	ng		95
8) Aniline	4.57	66	43517	17.82	ng		98
10) Phenol	4.65	94	86893	16.15	ng		84
11) Bis(2-chloroethyl)ether	4.62	63	61527m	17.87	ng		
12) 2-Chlorophenol	4.71	128	73800	19.37	ng		94
13) 1,3-Dichlorobenzene	4.80	146	81705	19.67	ng		99
14) 1,4-Dichlorobenzene	4.86	146	84823	20.27	ng		98
15) 1,2-Dichlorobenzene	5.06	146	79645	20.11	ng		97
16) Benzyl alcohol	5.05	108	49522	19.61	ng		95
17) Bis(2-chloroisopropyl)ethe	5.18	45	97412	16.15	ng	#	69
18) 2-Methylphenol	5.23	107	60852	18.76	ng	#	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.39	107	157562	39.51	ng		98
20)	N-Nitrosodi-n-propylamine	5.33	70	59284	18.58	ng		92
21)	N-Nitrosodimethylamine	1.65	42	41231	20.73	ng		99
22)	Hexachloroethane	5.39	117	34916	19.94	ng		89
25)	Acetophenone	5.31	105	105832	19.42	ng		96
26)	Nitrobenzene	5.49	77	90838	20.07	ng		97
27)	N-Nitrosopiperidine	5.66	114	36060	19.22	ng		87
28)	Isophorone	5.75	82	153885	19.49	ng		97
29)	2-Nitrophenol	5.86	139	38444	19.88	ng		92
30)	2,4-Dimethylphenol	5.95	122	64385	19.46	ng		96
31)	Bis(2-chloroethoxy)methane	6.02	93	87071	18.43	ng		99
32)	2,4-Dichlorophenol	6.19	162	57723	20.07	ng		98
33)	1,2,4-Trichlorobenzene	6.25	180	60389	19.68	ng		97
34)	Naphthalene	6.33	128	216344	20.22	ng		100
35)	Benzoic acid	5.95	122	64385	76.33	ng	#	1
36)	2,6-Dichlorophenol	6.46	162	56494	20.31	ng		98
37)	4-Chloroaniline	6.44	127	81922	19.30	ng		95
38)	Hexachlorobutadiene	6.55	225	34537	20.40	ng		99
39)	a,a-Dimethylphenethylamine	6.49	58	144549m	15.78	ng		
40)	Caprolactam	6.86	55	44259	19.63	ng	#	89
41)	4-Chloro-3-methylphenol	7.17	107	68242	19.76	ng		96
42)	N-Nitrosodi-n-butylamine	6.89	84	72994	20.41	ng	#	83
43)	2-Methylnaphthalene	7.28	142	145226	19.54	ng		99
44)	1-Methylnaphthalene	7.44	142	147339	19.73	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.59	216	56281	19.76	ng		97
47)	Hexachlorocyclopentadiene	7.62	237	24788	17.31	ng		99
48)	2,4,6-Trichlorophenol	7.79	196	38941	20.01	ng		99
49)	2,4,5-Trichlorophenol	7.89	196	40835	19.92	ng		95
51)	Biphenyl	8.01	154	198587	20.34	ng		98
52)	2-Chloronaphthalene	8.04	162	145527	20.32	ng		97
53)	1-Chloronaphthalene	8.09	162	111891	19.93	ng		99
54)	2-Nitroaniline	8.29	65	47779	19.28	ng		93
55)	3-Nitroaniline	9.02	138	36857	18.75	ng		94
56)	Pentachlorobenzene	9.42	250	42680	18.97	ng		93
57)	4-Nitroaniline	10.18	138	36316	18.18	ng		94
58)	2-Naphthylamine	9.54	143	112078	17.77	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.68	143	115947	17.61	ng		98
60)	Dimethyl phthalate	8.63	163	155589	20.23	ng		99
61)	Acenaphthylene	8.75	152	220851	20.15	ng		100
62)	2,6-Dinitrotoluene	8.75	165	34240	20.18	ng		87
63)	Acenaphthene	9.08	154	125619	19.80	ng		99
64)	2,4-Dinitrophenol	9.21	184	6497	16.66	ng		92
65)	Dibenzofuran	9.38	168	186750	19.94	ng		79
66)	4-Nitrophenol	9.49	65	33855m	18.82	ng		
67)	2,4-Dinitrotoluene	9.47	165	44756	19.96	ng		91
68)	2,3,4,6-Tetrachlorophenol	9.73	232	26222	17.44	ng		95
69)	Diethyl phthalate	9.95	149	159767	20.36	ng		100
70)	Fluorene	10.02	166	155140	20.21	ng		100
71)	4-Chlorophenyl phenyl ethe	10.04	204	68237	19.87	ng		97
74)	4,6-Dinitro-2-methylphenol	10.24	198	21091	18.99	ng		88
75)	Azobenzene	10.34	77	197581	19.95	ng		97
76)	1,2-Diphenylhydrazine	10.34	182	42673	19.66	ng	#	84
77)	Diphenylamine	10.29	170	26758	19.85	ng	#	96
78)	N-Nitrosodiphenylamine	10.29	168	132253	19.90	ng		98
79)	4-Bromophenyl phenyl ether	10.99	248	36935	19.22	ng		95
80)	Phenacetin	11.01	108	88687	20.03	ng		99
81)	Hexachlorobenzene	11.26	284	31380	18.26	ng		95
82)	Atrazine	11.45	200	43579	20.94	ng		91
83)	4-Aminobiphenyl	11.54	169	106418	16.13	ng		99
84)	Pentachlorophenol	11.68	266	19871	18.83	ng		97
85)	Pentachloronitrobenzene	11.80	237	20349	22.50	ng		95
86)	Pronamide	11.78	173	68011	20.80	ng		98
87)	Phenanthrene	11.92	178	217228	20.24	ng		99
88)	Anthracene	12.01	178	235102	20.42	ng		100
89)	Carbazole	12.40	167	225131	19.83	ng		100
90)	Di-n-butyl phthalate	13.28	149	299102	21.09	ng		100
91)	Fluoranthene	14.41	202	240986	20.02	ng		99
93)	Pyrene	14.87	202	250113	19.62	ng		99
95)	Benzidine	14.76	184	49610	21.12	ng		85
96)	Dimethylaminoazobenzene	15.63	225	51145	19.20	ng		92
97)	Butyl benzyl phthalate	16.43	149	147058	21.37	ng		96
98)	Benz(a)anthracene	17.49	228	236782	20.00	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

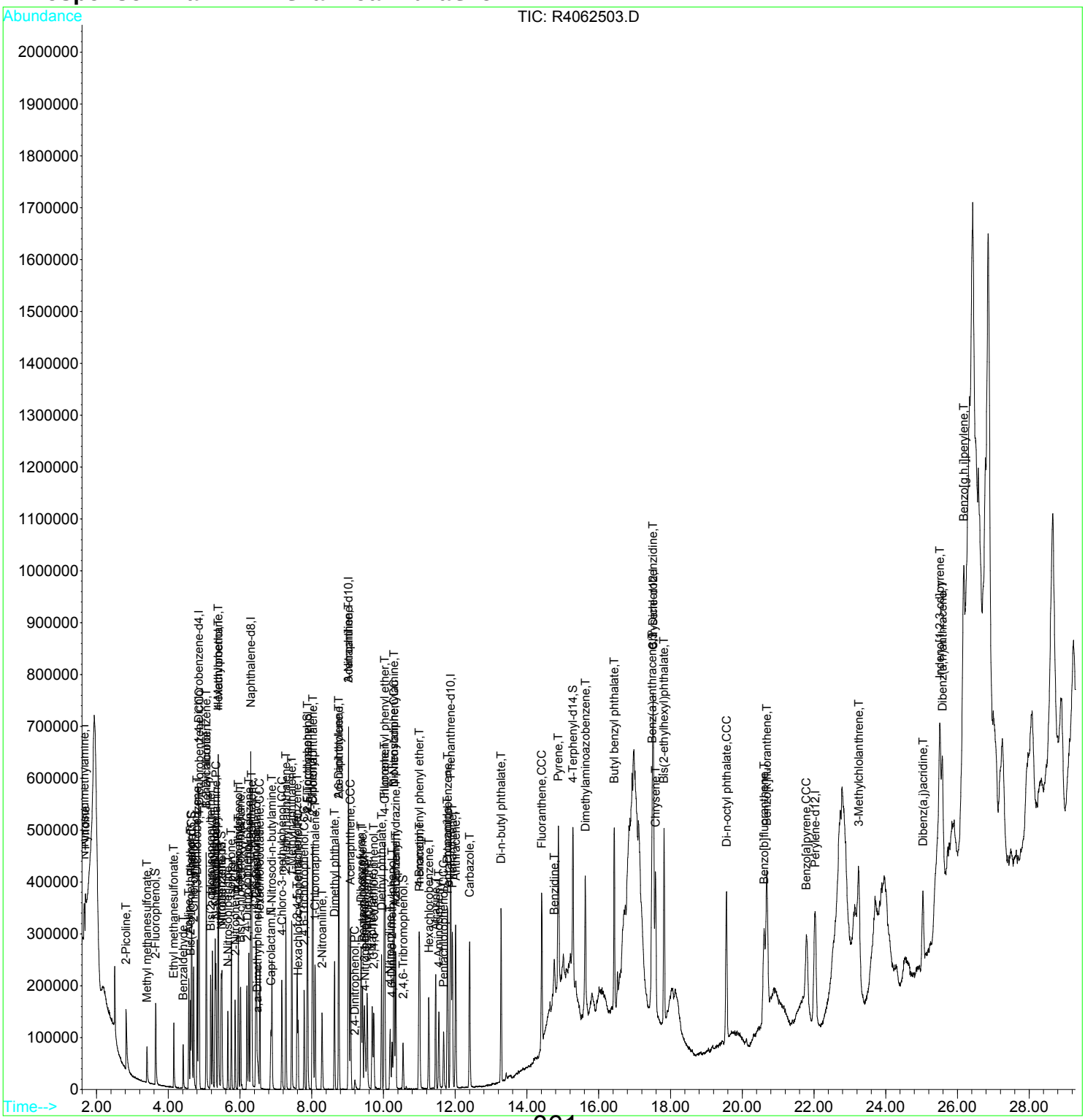
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.51	252	73697	20.53	ng		99
100)	Chrysene	17.58	228	224249	20.38	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.82	149	216594	23.00	ng		98
102)	Di-n-octyl phthalate	19.56	149	365370	23.62	ng	#	96
103)	3-Methylchlolanthrene	23.25	268	113335	20.35	ng		95
104)	Indeno[1,2,3-cd]pyrene	25.50	276	204387	16.92	ng	#	100
106)	Benzo[b]fluoranthene	20.61	252	217160	19.34	ng		100
107)	Benzo[k]fluoranthene	20.69	252	223780m	20.73	ng		
108)	Benzo[a]pyrene	21.79	252	206866	19.81	ng		98
109)	Dibenz(a,j)acridine	25.04	279	169740	19.33	ng		100
110)	Dibenz(a,h)anthracene	25.58	278	201489	19.04	ng		92
111)	Benzo[g,h,i]perylene	26.17	276	203593	19.57	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: B052404.RES

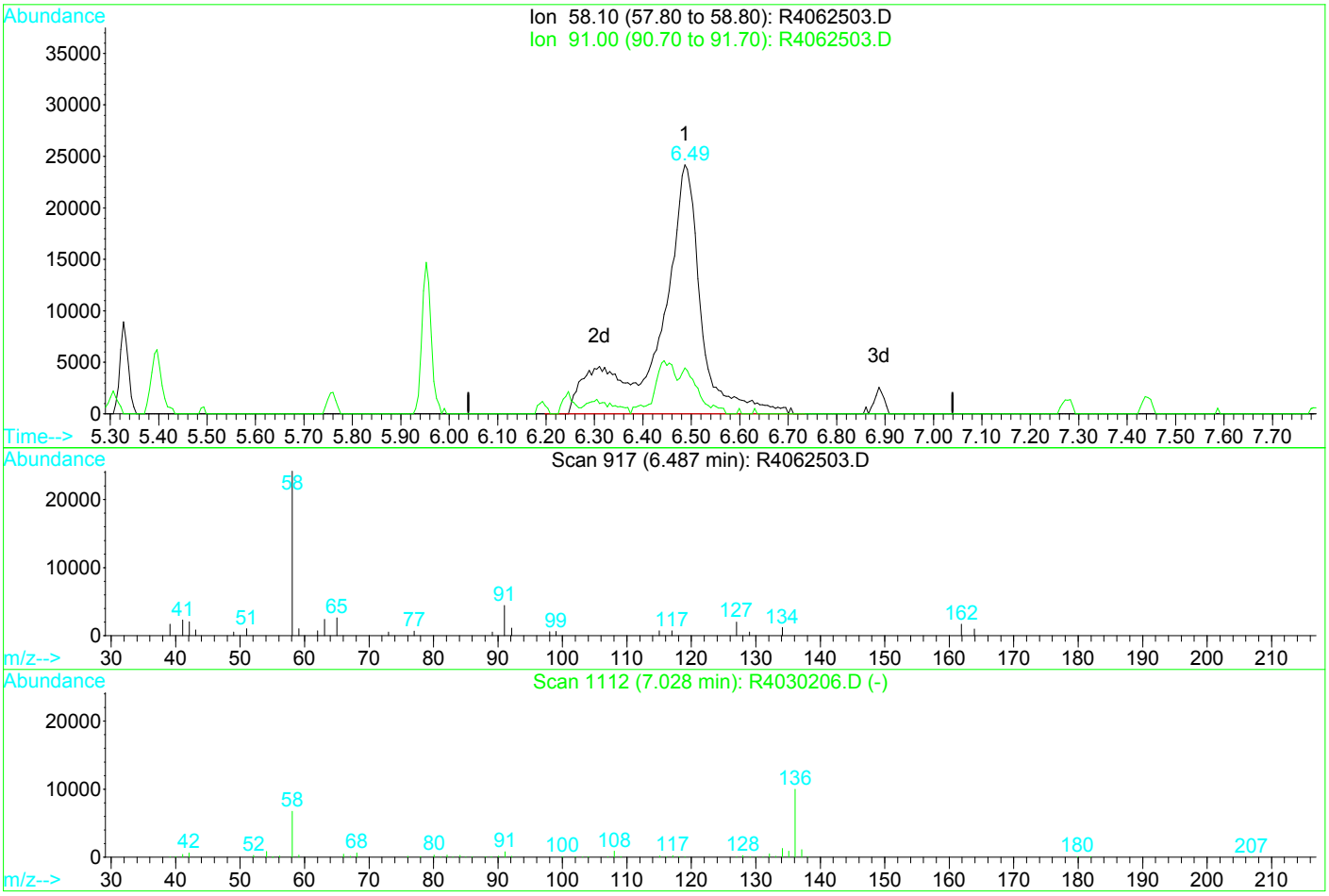
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:03 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration



TIC: R4062503.D

(39) a,a-Dimethylphenethylamine (T)

6.49min 15.78ng m

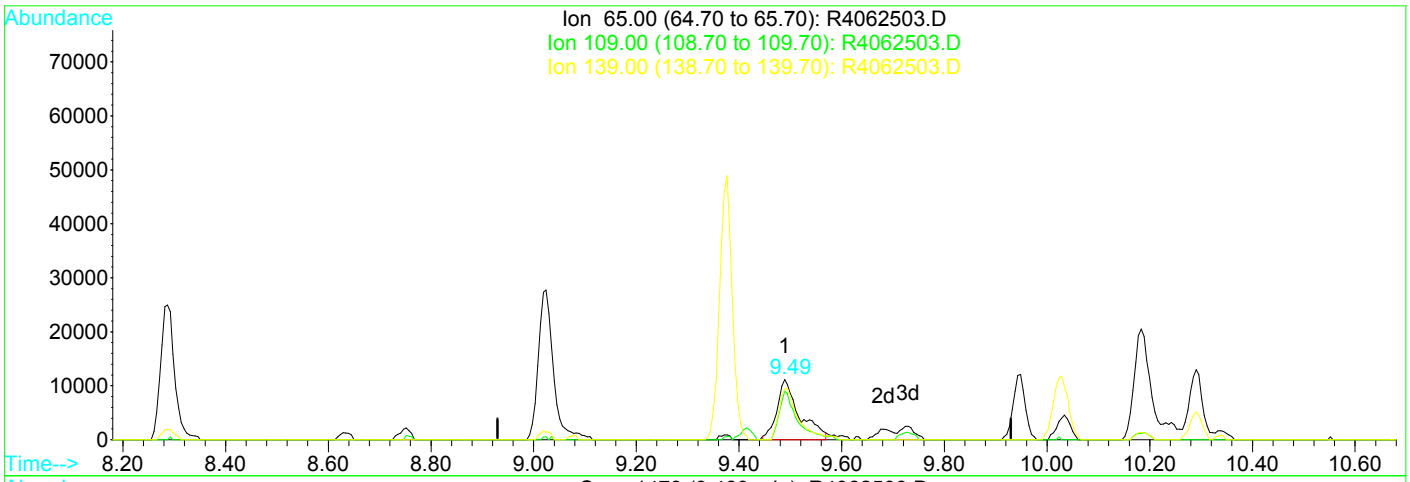
response 144549

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	7.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:03 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration



TIC: R4062503.D

(66) 4-Nitrophenol (PC)

9.49min 18.82ng m

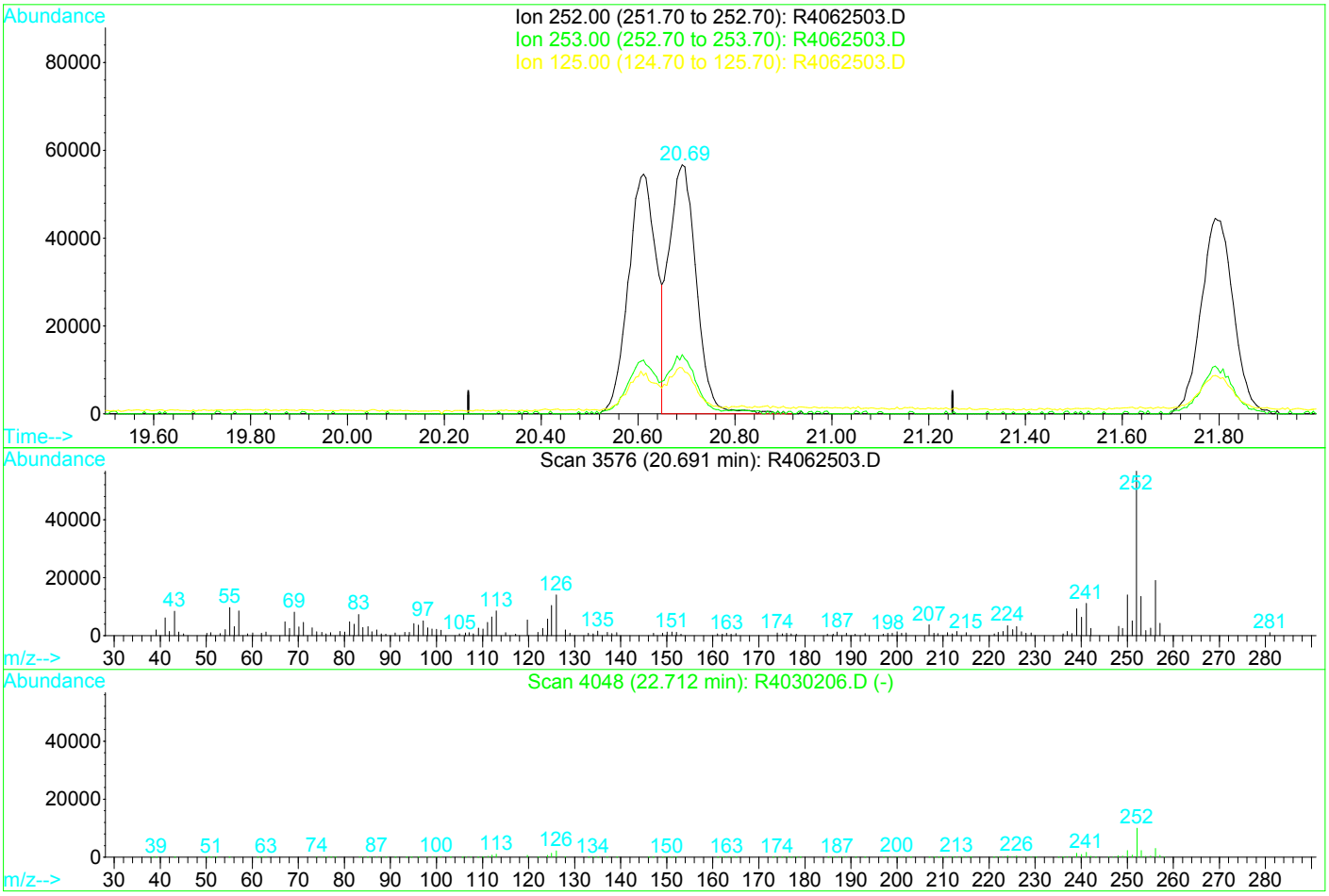
response 33855

Ion	Exp%	Act%
65.00	100	100
109.00	87.30	65.43#
139.00	321.10	74.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:04 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration



TIC: R4062503.D

(107) Benzo[k]fluoranthene (T)

20.69min 20.73ng m

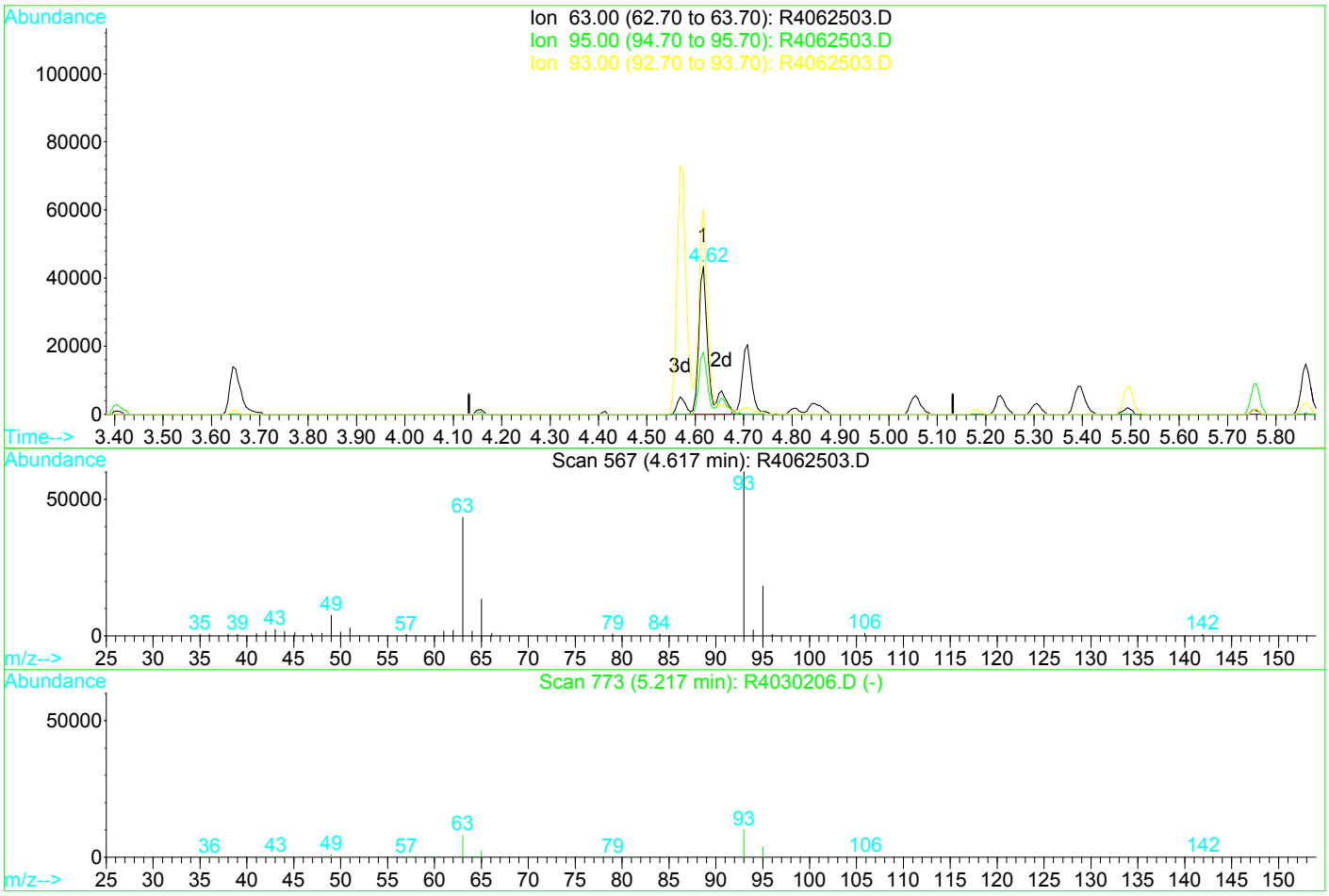
response 223780

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	21.39
125.00	19.00	15.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062503.D Vial: 2
Acq On : 25 Jun 2004 10:05 am Operator: YH
Sample : BNA40 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:25 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration



TIC: R4062503.D

(11) Bis(2-chloroethyl)ether (T)

4.62min 17.87ng m

response 61527

Ion	Exp%	Act%
63.00	100	100
95.00	42.80	36.47
93.00	110.10	128.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062504.D Vial: 3
Acq On : 25 Jun 2004 10:47 am Operator: YH
Sample : MB-47036 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:28 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.84	152	117194	40.00	ng	-0.03
23) Naphthalene-d8	6.29	136	446545	40.00	ng	-0.04
45) Acenaphthene-d10	9.02	164	242024	40.00	ng	-0.04
73) Phenanthrene-d10	11.86	188	402231	40.00	ng	-0.04
92) Chrysene-d12	17.51	240	344495	40.00	ng	-0.05
105) Perylene-d12	22.01	264	319559	40.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	3.64	112	330928	85.93	ng	0.02
Spiked Amount 100.000	Range 21 - 110		Recovery = 85.93%			
9) Phenol-d5	4.64	99	420344	83.13	ng	0.02
Spiked Amount 100.000	Range 10 - 110		Recovery = 83.13%			
24) Nitrobenzene-d5	5.47	82	218308	40.74	ng	-0.03
Spiked Amount 50.000	Range 34 - 114		Recovery = 81.48%			
50) 2-Fluorobiphenyl	7.87	172	352611	40.86	ng	-0.04
Spiked Amount 50.000	Range 43 - 116		Recovery = 81.72%			
72) 2,4,6-Tribromophenol	10.54	330	65369	96.34	ng	-0.03
Spiked Amount 100.000	Range 10 - 123		Recovery = 96.34%			
94) 4-Terphenyl-d14	15.27	244	396392	44.98	ng	-0.04
Spiked Amount 50.000	Range 33 - 141		Recovery = 89.96%			

Target Compounds				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) 2-Picoline	0.00	93	0	N.D.
4) Methyl methanesulfonate	0.00	80	0	N.D. d
6) Ethyl methanesulfonate	0.00	79	0	N.D.
7) Benzaldehyde	0.00	105	0	N.D.
8) Aniline	0.00	66	0	N.D. d
10) Phenol	0.00	94	0	N.D.
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d
12) 2-Chlorophenol	0.00	128	0	N.D.
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.
16) Benzyl alcohol	0.00	108	0	N.D.
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.
18) 2-Methylphenol	0.00	107	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062504.D Vial: 3
Acq On : 25 Jun 2004 10:47 am Operator: YH
Sample : MB-47036 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:28 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D.	d
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D.	
41) 4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D.	
44) 1-Methylnaphthalene	0.00	142	0	N.D.	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062504.D Vial: 3
Acq On : 25 Jun 2004 10:47 am Operator: YH
Sample : MB-47036 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:28 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D. d	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D. d	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062504.D Vial: 3
Acq On : 25 Jun 2004 10:47 am Operator: YH
Sample : MB-47036 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:28 2004 Quant Results File: B052404.RES

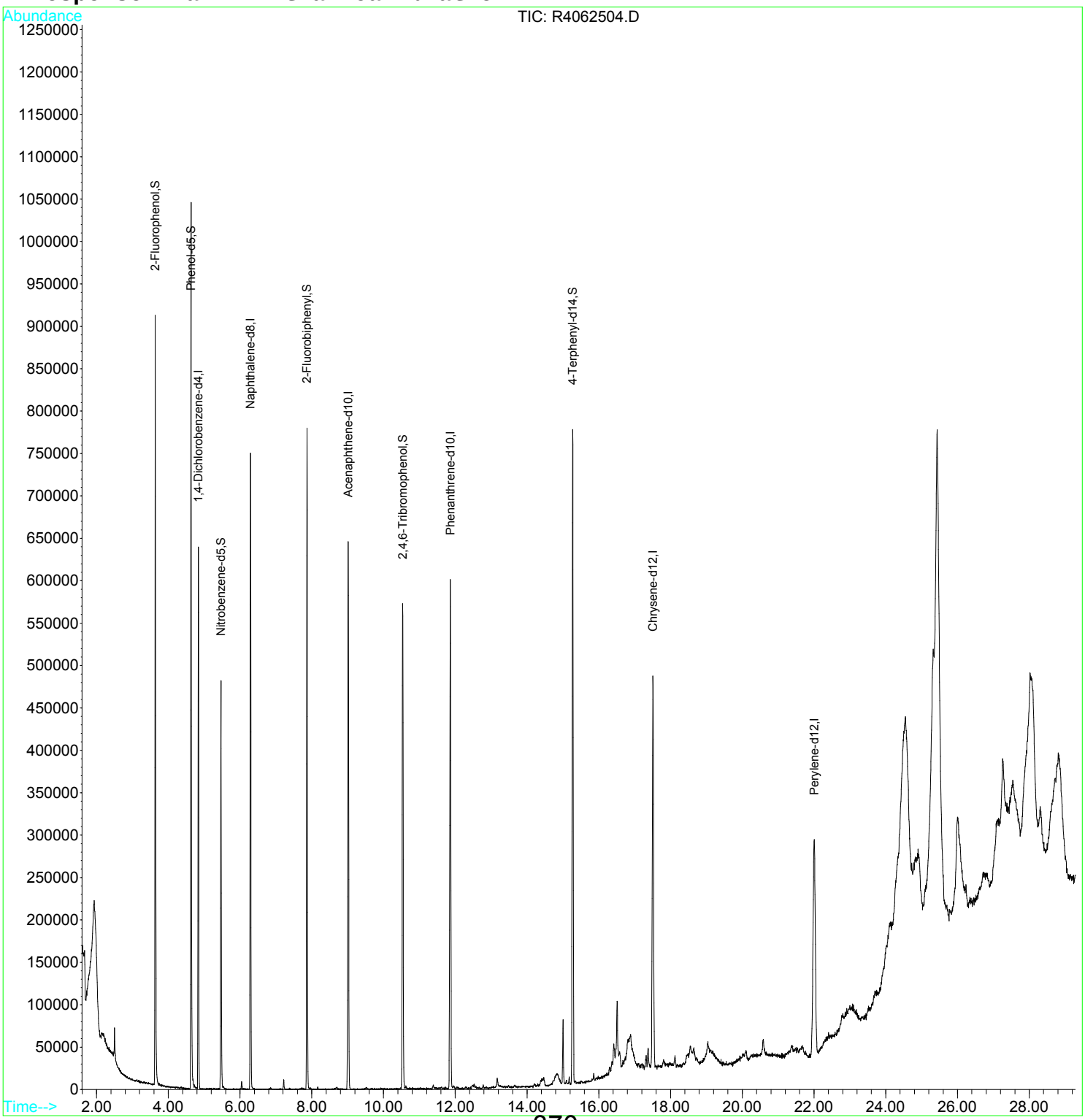
Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	d	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Data File : C:\HPCHEM\1\DATA\R40625\R4062504.D Vial: 3
Acq On : 25 Jun 2004 10:47 am Operator: YH
Sample : MB-47036 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:28 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.85	152	104286	40.00	ng	-0.02
23) Naphthalene-d8	6.30	136	390365	40.00	ng	-0.02
45) Acenaphthene-d10	9.03	164	220173	40.00	ng	-0.02
73) Phenanthrene-d10	11.88	188	350124	40.00	ng	-0.02
92) Chrysene-d12	17.53	240	296693	40.00	ng	-0.04
105) Perylene-d12	22.04	264	268006	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.64	112	241875	70.58	ng	0.03
Spiked Amount 100.000	Range 21 - 110		Recovery = 70.58%			
9) Phenol-d5	4.64	99	291303	64.74	ng	0.03
Spiked Amount 100.000	Range 10 - 110		Recovery = 64.74%			
24) Nitrobenzene-d5	5.48	82	182361	38.93	ng	-0.02
Spiked Amount 50.000	Range 34 - 114		Recovery = 77.86%			
50) 2-Fluorobiphenyl	7.88	172	315985	40.25	ng	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 80.50%			
72) 2,4,6-Tribromophenol	10.55	330	53290	86.33	ng	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 86.33%			
94) 4-Terphenyl-d14	15.29	244	335401	44.19	ng	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 88.38%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D. d		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.65	94	319542	58.93	ng	# 83
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	4.70	128	289774	75.46	ng	94
13) 1,3-Dichlorobenzene	0.00	146	0	N.D. d		
14) 1,4-Dichlorobenzene	4.86	146	259648	61.58	ng	97
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d		
16) Benzyl alcohol	0.00	108	0	N.D. d		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	5.33	70	255266	79.38 ng	88
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D. d	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	6.25	180	208726	67.16 ng	97
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D. d	
41) 4-Chloro-3-methylphenol	7.16	107	312394	89.28 ng	96
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D. d	
43) 2-Methylnaphthalene	0.00	142	0	N.D. d	
44) 1-Methylnaphthalene	0.00	142	0	N.D. d	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.			
60)	Dimethyl phthalate	0.00	163	0	N.D.	d		
61)	Acenaphthylene	0.00	152	0	N.D.	d		
62)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d		
63)	Acenaphthene	9.09	154	522084	80.64	ng		99
64)	2,4-Dinitrophenol	0.00	184	0	N.D.			
65)	Dibenzofuran	0.00	168	0	N.D.			
66)	4-Nitrophenol	9.48	65	139932	76.25	ng	#	6
67)	2,4-Dinitrotoluene	9.47	165	206137	90.09	ng		88
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
69)	Diethyl phthalate	0.00	149	0	N.D.	d		
70)	Fluorene	0.00	166	0	N.D.			
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.			
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.			
75)	Azobenzene	0.00	77	0	N.D.			
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.			
77)	Diphenylamine	0.00	170	0	N.D.	d		
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.			
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.	d		
80)	Phenacetin	0.00	108	0	N.D.			
81)	Hexachlorobenzene	0.00	284	0	N.D.			
82)	Atrazine	0.00	200	0	N.D.	d		
83)	4-Aminobiphenyl	0.00	169	0	N.D.	d		
84)	Pentachlorophenol	11.68	266	51414	49.43	ng		99
85)	Pentachloronitrobenzene	0.00	237	0	N.D.	d		
86)	Pronamide	0.00	173	0	N.D.			
87)	Phenanthrene	0.00	178	0	N.D.			
88)	Anthracene	0.00	178	0	N.D.			
89)	Carbazole	0.00	167	0	N.D.			
90)	Di-n-butyl phthalate	0.00	149	0	N.D.			
91)	Fluoranthene	0.00	202	0	N.D.			
93)	Pyrene	14.89	202	1050316m	86.07	ng		
95)	Benzidine	0.00	184	0	N.D.			
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.	d		
97)	Butyl benzyl phthalate	0.00	149	0	N.D.			
98)	Benz(a)anthracene	0.00	228	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

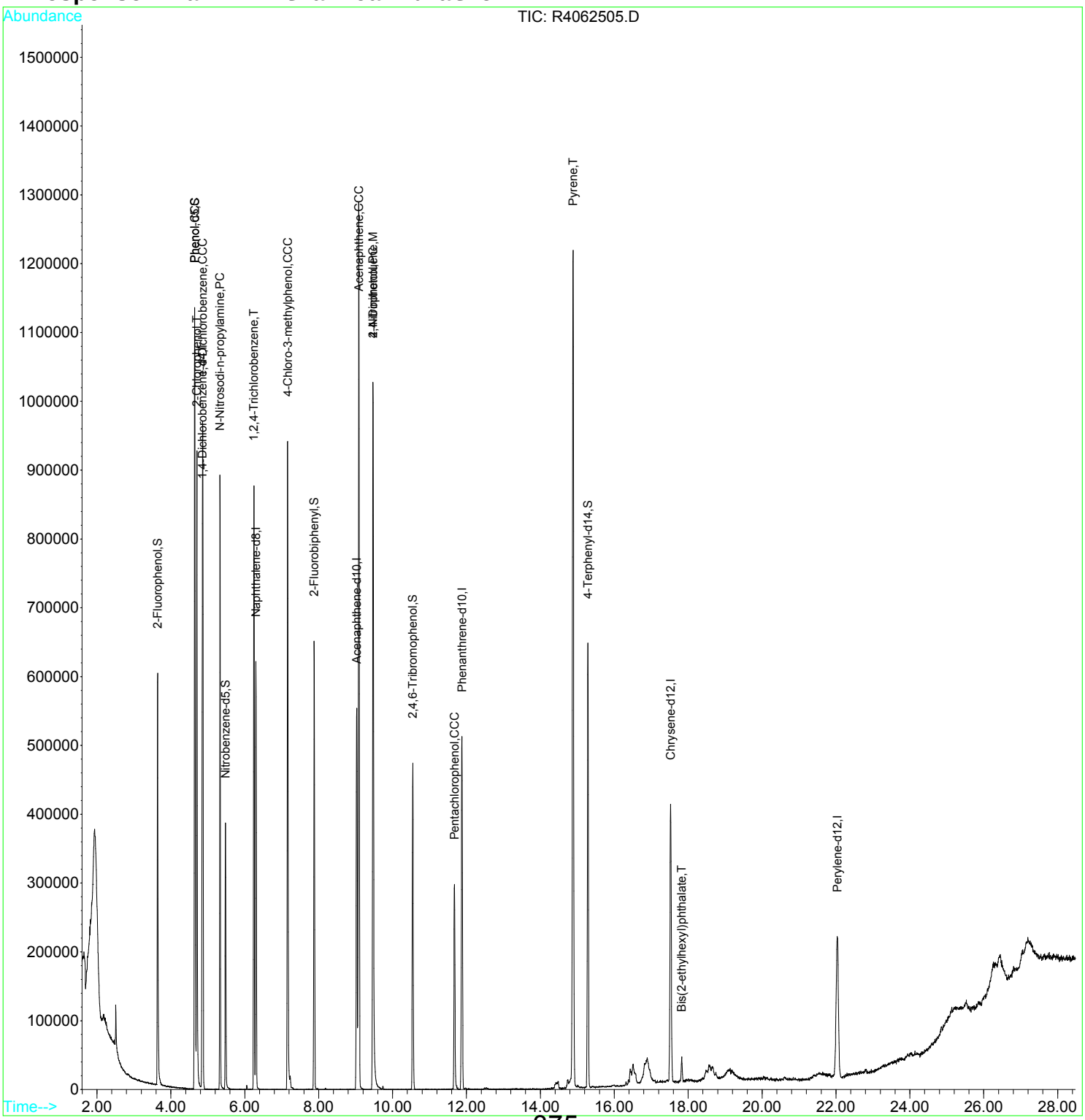
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.			
100)	Chrysene	0.00	228	0	N.D.			
101)	Bis(2-ethylhexyl)phthalate	17.82	149	19417	2.15	ng	#	96
102)	Di-n-octyl phthalate	0.00	149	0	N.D.			
103)	3-Methylchlolanthrene	0.00	268	0	N.D.			
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.			
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.			
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.			
108)	Benzo[a]pyrene	0.00	252	0	N.D.			
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.			
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report

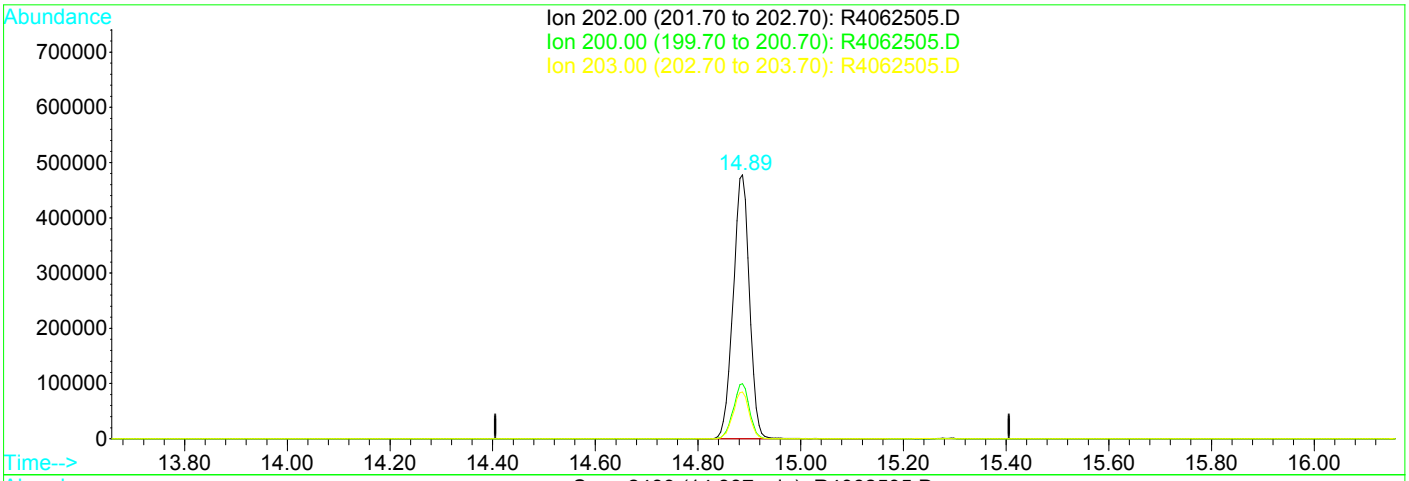
Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\R40625\R4062505.D Vial: 4
Acq On : 25 Jun 2004 11:24 am Operator: YH
Sample : LCS-47036 Inst : GC/MS 10
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:46 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Fri Jun 25 11:02:36 2004
Response via : Multiple Level Calibration



TIC: R4062505.D

(93) Pyrene (T)

14.89min 86.07ng m

response 1050316

Ion	Exp%	Act%
202.00	100	100
200.00	20.60	20.58
203.00	17.70	17.58
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.85	152	89395	40.00	ng	-0.02
23) Naphthalene-d8	6.31	136	370006	40.00	ng	-0.02
45) Acenaphthene-d10	9.04	164	188323	40.00	ng	-0.02
73) Phenanthrene-d10	11.89	188	325094	40.00	ng	-0.02
92) Chrysene-d12	17.54	240	335733	40.00	ng	-0.02
105) Perylene-d12	22.06	264	431297	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.66	112	235329	80.11	ng	0.04
Spiked Amount 100.000	Range 21 - 110		Recovery = 80.11%			
9) Phenol-d5	4.61	99	83305	21.60	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 21.60%			
24) Nitrobenzene-d5	5.48	82	165646	37.31	ng	-0.02
Spiked Amount 50.000	Range 34 - 114		Recovery = 74.62%			
50) 2-Fluorobiphenyl	7.88	172	201281	29.98	ng	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 59.96%			
72) 2,4,6-Tribromophenol	10.56	330	53586	101.49	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 101.49%			
94) 4-Terphenyl-d14	15.29	244	133086	15.49	ng	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 30.98%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D. d		
6) Ethyl methanesulfonate	0.00	79	0	N.D. d		
7) Benzaldehyde	4.41	105	552277	1250.91	ng	97
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.68	94	300586	64.66	ng	87
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	5.07	108	52377	24.01	ng	94
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D. d		
18) 2-Methylphenol	0.00	107	0	N.D. d		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	5.40	107	121772	35.35 ng	# 90
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21)	N-Nitrosodimethylamine	0.00	42	0	N.D. d	
22)	Hexachloroethane	0.00	117	0	N.D. d	
25)	Acetophenone	0.00	105	0	N.D. d	
26)	Nitrobenzene	0.00	77	0	N.D. d	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D. d	
30)	2,4-Dimethylphenol	0.00	122	0	N.D. d	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D. d	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D. d	
35)	Benzoic acid	6.60	122	5600943m	2542.56 ng	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D. d	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D. d	
40)	Caprolactam	0.00	55	0	N.D. d	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D. d	
43)	2-Methylnaphthalene	0.00	142	0	N.D. d	
44)	1-Methylnaphthalene	0.00	142	0	N.D. d	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D. d	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D. d	
55)	3-Nitroaniline	0.00	138	0	N.D. d	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D. d	
58)	2-Naphthylamine	0.00	143	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D. d	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D. d	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D. d	
64) 2,4-Dinitrophenol	0.00	184	0	N.D. d	
65) Dibenzofuran	0.00	168	0	N.D. d	
66) 4-Nitrophenol	0.00	65	0	N.D. d	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D. d	
70) Fluorene	0.00	166	0	N.D. d	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D. d	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D. d	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D. d	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D. d	
80) Phenacetin	0.00	108	0	N.D. d	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D. d	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D. d	
86) Pronamide	0.00	173	0	N.D. d	
87) Phenanthrene	0.00	178	0	N.D. d	
88) Anthracene	0.00	178	0	N.D. d	
89) Carbazole	0.00	167	0	N.D. d	
90) Di-n-butyl phthalate	0.00	149	0	N.D. d	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D. d	
95) Benzidine	14.59	184	344258	179.32 ng	88
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D. d	
98) Benz(a)anthracene	0.00	228	0	N.D. d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

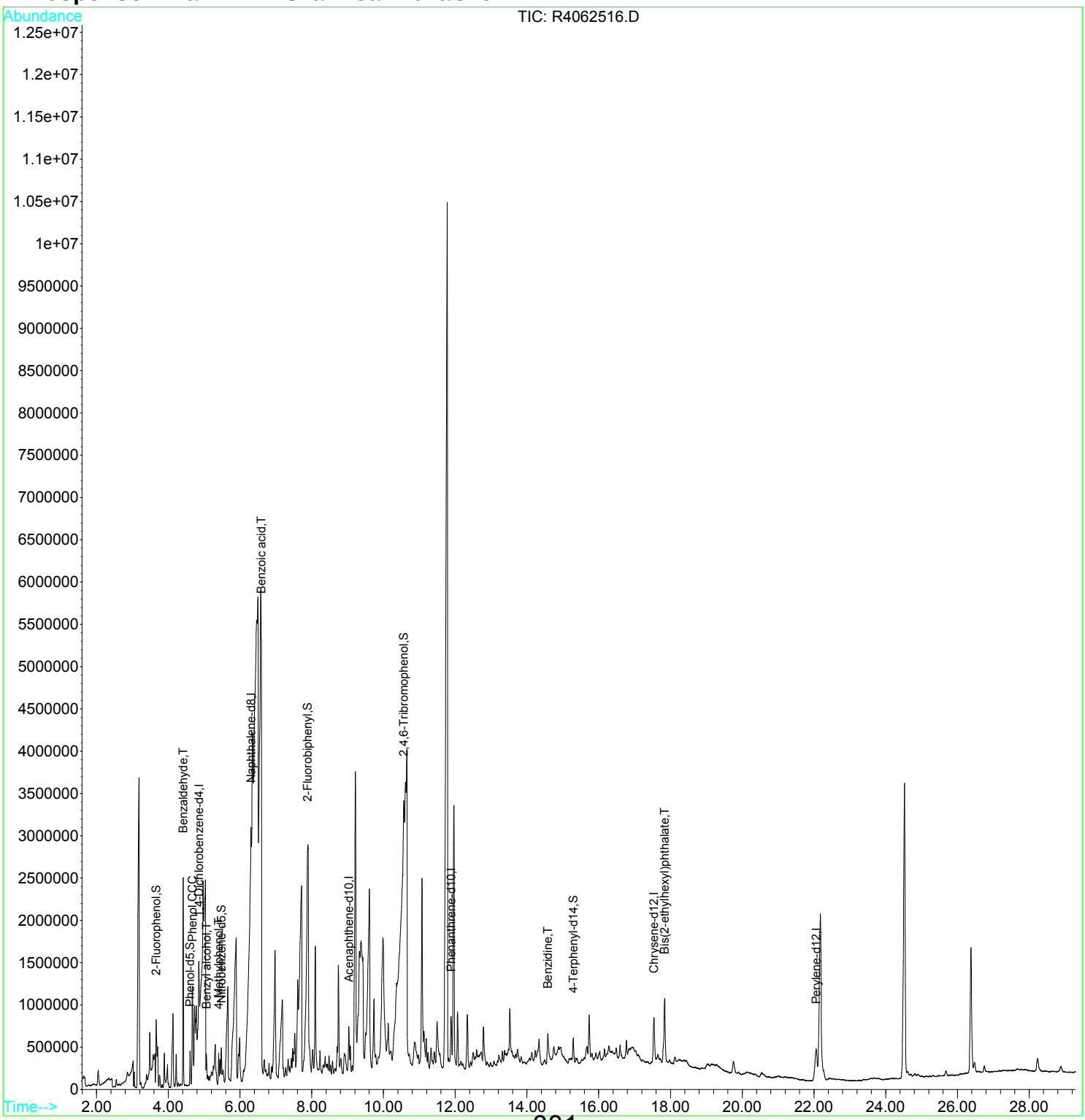
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.	d	
101)	Bis(2-ethylhexyl)phthalate	17.84	149	366560	35.92	ng	99
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.	d	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:30 2004 Quant Results File: B052404.RES

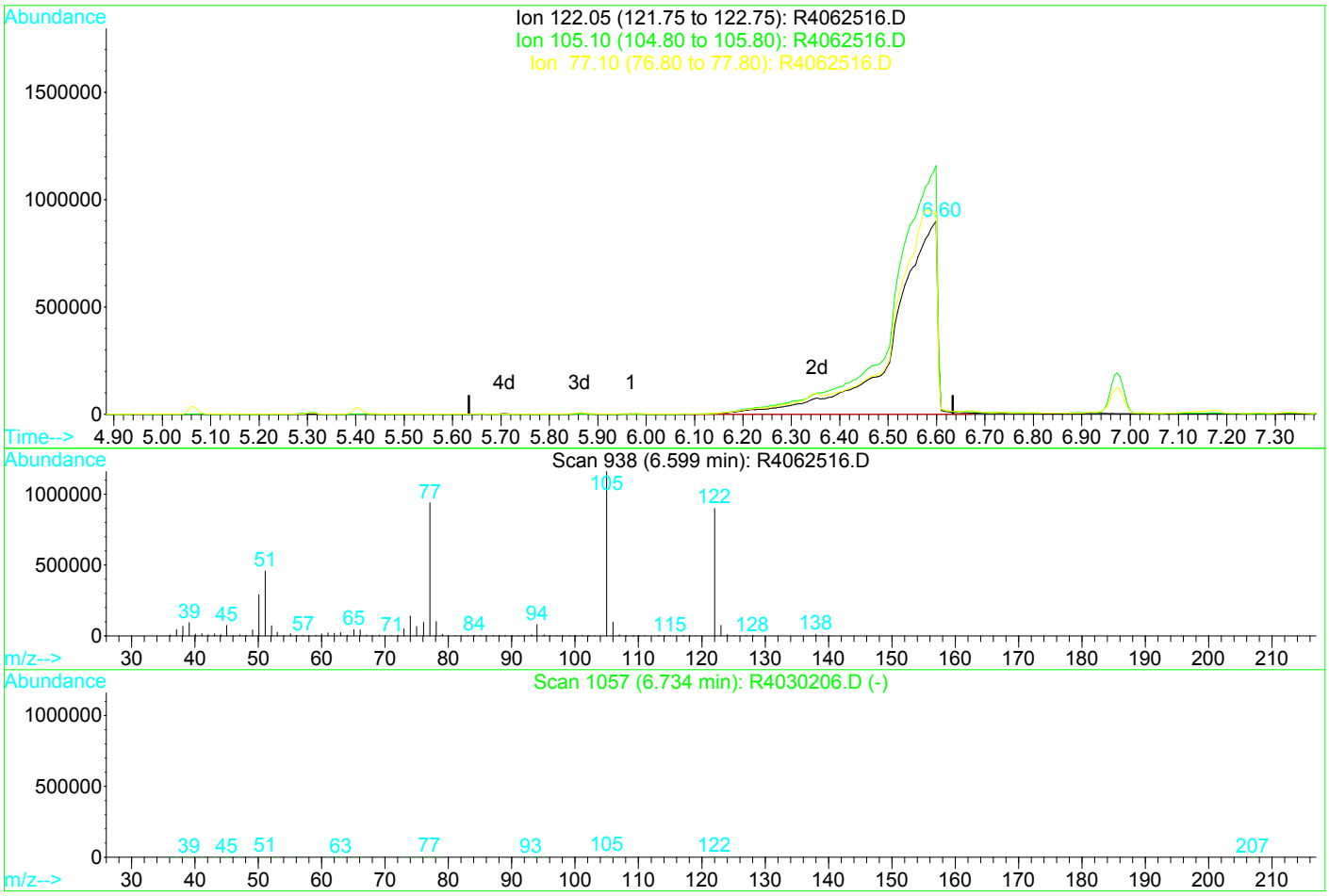
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:26 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Multiple Level Calibration



TIC: R4062516.D

(35) Benzoic acid (T)

6.60min 2542.56ng m

response 5600943

Ion	Exp%	Act%
122.05	100	100
105.10	165.90	0.00#
77.10	147.60	0.07#
0.00	0.00	0.00

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.636	7	9	22	rVB5	115777	334903	1.09%	0.176%
2	2.042	77	85	95	rBV	174377	385793	1.26%	0.202%
3	3.180	286	298	305	rBV	3664123	8889364	28.94%	4.663%
4	3.485	345	355	360	rBV	538371	917050	2.99%	0.481%
5	3.661	384	388	393	rBV2	742616	1375472	4.48%	0.722%
6	3.704	393	396	401	rVB2	466825	564552	1.84%	0.296%
7	3.885	423	430	436	rBV	404486	614602	2.00%	0.322%
8	3.981	437	448	451	rVB3	234185	465448	1.52%	0.244%
9	4.131	463	476	484	rBV	874636	2005394	6.53%	1.052%
10	4.216	484	492	500	rVV	378258	532517	1.73%	0.279%
11	4.414	523	529	537	rVB	2460617	2965118	9.65%	1.555%
12	4.606	561	565	570	rBV	399166	487313	1.59%	0.256%
13	4.670	570	577	584	rBV3	1151208	2249559	7.32%	1.180%
14	4.735	584	589	592	rBV	701874	1102871	3.59%	0.579%
15	4.761	592	594	596	rVV	328099	391292	1.27%	0.205%
16	4.783	596	598	601	rVB	406097	375853	1.22%	0.197%
17	4.852	606	611	615	rBV3	806227	1358332	4.42%	0.713%
18	4.970	629	633	636	rBV	926216	1298254	4.23%	0.681%
19	5.060	647	650	655	rVB2	297267	398859	1.30%	0.209%
20	5.306	689	696	709	rVB2	468007	1307165	4.26%	0.686%
21	5.402	709	714	718	rBV	365251	500966	1.63%	0.263%
22	5.477	725	728	733	rVV	353446	440143	1.43%	0.231%
23	5.659	745	762	770	rBV	1129667	3289979	10.71%	1.726%
24	5.894	776	806	809	rBV	1697276	8207617	26.72%	4.305%
25	5.958	812	818	819	rBV	276657	362614	1.18%	0.190%
26	5.990	820	824	835	rVB3	519974	943062	3.07%	0.495%
27	6.305	852	883	885	rBV5	2832174	12691003	41.32%	6.657%

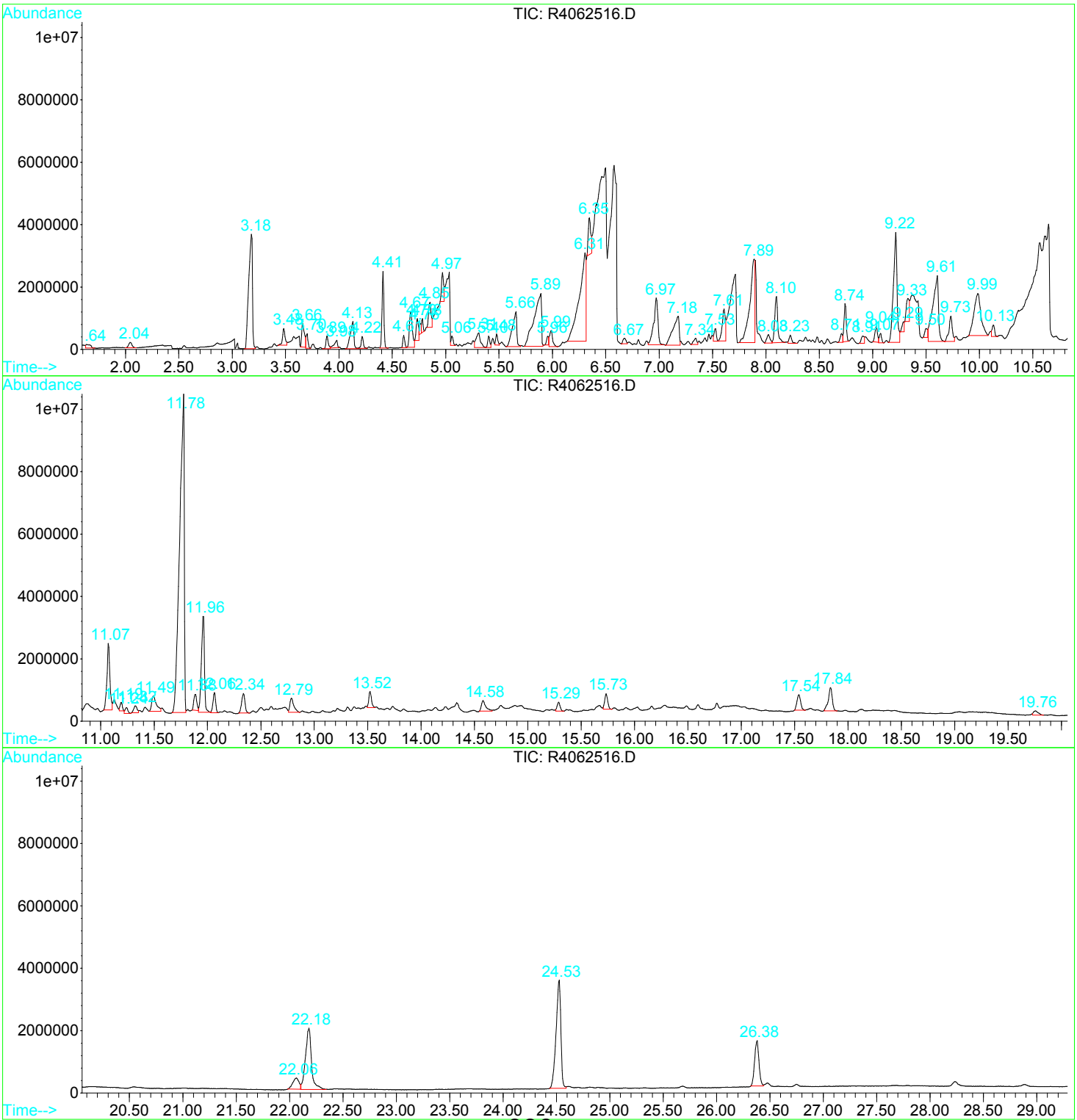
28	6.348	887	891	895	rVV2	1140642	2069140	6.74%	1.085%
29	6.674	947	952	957	rBV3	167850	335854	1.09%	0.176%
30	6.973	994	1008	1020	rVB2	1494841	3991310	13.00%	2.094%
31	7.176	1024	1046	1050	rBV	923517	3783017	12.32%	1.984%
32	7.342	1069	1077	1081	rBV5	198258	411669	1.34%	0.216%
33	7.529	1108	1112	1116	rVB	397837	574576	1.87%	0.301%
34	7.609	1117	1127	1130	rBV3	1025722	2143336	6.98%	1.124%
35	7.892	1153	1180	1181	rBV5	2679600	8980248	29.24%	4.711%
36	8.025	1198	1205	1211	rBV4	267265	576410	1.88%	0.302%
37	8.100	1211	1219	1233	rVB2	1471739	2844341	9.26%	1.492%
38	8.228	1239	1243	1254	rVB	263057	428198	1.39%	0.225%
39	8.709	1327	1333	1335	rBV	284997	437865	1.43%	0.230%
40	8.741	1335	1339	1345	rVB	1209934	1725359	5.62%	0.905%
41	8.907	1364	1370	1373	rBV3	232654	454547	1.48%	0.238%
42	9.035	1388	1394	1398	rBV	499790	861858	2.81%	0.452%
43	9.072	1398	1401	1407	rVB	301704	423764	1.38%	0.222%
44	9.217	1415	1428	1435	rBV	3531162	8396434	27.34%	4.404%
45	9.291	1436	1442	1443	rBV	322457	489542	1.59%	0.257%
46	9.329	1444	1449	1452	rBV2	734172	1465292	4.77%	0.769%
47	9.500	1476	1481	1484	rBV	284661	535522	1.74%	0.281%
48	9.607	1485	1501	1514	rVB	2114788	7756796	25.26%	4.069%
49	9.735	1514	1525	1531	rBV	815873	1788866	5.82%	0.938%
50	9.986	1556	1572	1590	rBV	1349885	6120523	19.93%	3.211%
51	10.130	1596	1599	1606	rVB	367933	549540	1.79%	0.288%
52	11.070	1767	1775	1782	rBV	2133237	4062617	13.23%	2.131%
53	11.193	1794	1798	1803	rVB2	273146	406211	1.32%	0.213%
54	11.241	1803	1807	1814	rVB2	186313	321202	1.05%	0.168%
55	11.321	1816	1822	1828	rBV4	221668	495089	1.61%	0.260%
56	11.492	1847	1854	1867	rBV3	487743	1523686	4.96%	0.799%
57	11.776	1887	1907	1911	rBV	10208155	30712511	100.00%	16.110%
58	11.882	1922	1927	1933	rBV2	500335	993258	3.23%	0.521%
59	11.957	1933	1941	1954	rVB	3068838	6088488	19.82%	3.194%
60	12.064	1955	1961	1967	rVB	644793	1103048	3.59%	0.579%
61	12.336	2004	2012	2022	rVB	622790	1345513	4.38%	0.706%
62	12.785	2091	2096	2110	rVB	453598	1135673	3.70%	0.596%
63	13.522	2229	2234	2242	rVB	512756	875836	2.85%	0.459%
64	14.580	2426	2432	2448	rBV2	337671	950107	3.09%	0.498%
65	15.291	2560	2565	2573	rVB2	290114	546867	1.78%	0.287%
66	15.734	2643	2648	2658	rVB2	496945	958470	3.12%	0.503%
67	17.540	2979	2986	2997	rVB	495646	1170907	3.81%	0.614%
68	17.839	3031	3042	3052	rVB	744441	1922650	6.26%	1.009%
69	19.757	3396	3401	3414	rVB3	139658	413925	1.35%	0.217%
70	22.064	3818	3833	3840	rBV3	356360	1457516	4.75%	0.765%
71	22.182	3841	3855	3884	rVB	1960835	7673497	24.98%	4.025%
72	24.527	4277	4294	4306	rBV	3467713	10775255	35.08%	5.652%
73	26.381	4630	4641	4652	rBV2	1451712	4108878	13.38%	2.155%

Sum of corrected areas: 190640306

R4062516.D B052404.M Tue Jun 29 09:15:11 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\R40625\R4062516.D
Operator : YH
Acquired : 25 Jun 2004 6:13 pm using AcqMethod &PAH2
Instrument : GC/MS 10
Sample Name: 0406B33-001B 47036
Misc Info : SAMP 8270_TCL4.2_W
Vial Number: 15
Quant File :B052404.RES (RTE Integrator)



R4062516.D B052404.M Tue Jun 29 09:15:11 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 2-Pentanone, 4-hydroxy-4-methyl Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	261.77 ng	8889360	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
3	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
5	Acetic acid, cyano-, 1,1-dimethylet	141	C7H11NO2	001116-98-9	25

****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	27.01 ng	917050	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	94
5	p-Xylene	106	C8H10	000106-42-3	94

****

Peak Number 3 Hexylene Glycol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	59.05 ng	2005390	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene Glycol	118	C6H14O2	000107-41-5	90
2	Hexylene Glycol	118	C6H14O2	000107-41-5	90
3	Hexylene Glycol	118	C6H14O2	000107-41-5	83
4	Hexylene Glycol	118	C6H14O2	000107-41-5	83
5	Oxepane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	78

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 2-Propanol, 1-(2-methylethoxy) Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	32.48 ng	1102870	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	72
2	Silane, trimethyl-	74	C3H10Si	000993-07-7	50
3	2-Propanol, 1,1'-[(1-methyl-1,2-eth	192	C9H20O4	001638-16-0	50
4	1-Propanol, 2-(2-methoxy-1-methylet	148	C7H16O3	055956-21-3	50
5	Ethane, 1-ethoxy-1-methoxy-	104	C5H12O2	010471-14-4	45

****

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	38.23 ng	1298250	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	47
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	38
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	35
4	Propanoic acid, octyl ester	186	C11H22O2	000142-60-9	35
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	27

****

Peak Number 6 2-Propanol, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-Concentr

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	38.49 ng	1307170	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-[(1-methyl-1,2-eth	192	C9H20O4	001638-16-0	59
2	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	50
3	1-Propene, 3-[2-(2-methoxyethoxy)et	160	C8H16O3	013752-97-1	50
4	Hydrazine, (1-methylpropyl)-	88	C4H12N2	030924-14-2	50
5	2-Heptanone, 3-hydroxy-3-methyl-	144	C8H16O2	013757-91-0	50

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

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Peak Number 7 2(3H)-Benzofuranone, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	132.01 ng	2844340	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzofuranone, 3-methyl-	148	C9H8O2	032267-71-3	94
2	3-(2-Hydroxyphenyl)propionic acid	166	C9H10O3	000495-78-3	91
3	2H-1-Benzopyran-2-one, 3,4-dihydro-	148	C9H8O2	000119-84-6	68
4	2H-1-Benzopyran-2-one, 3,4-dihydro-	148	C9H8O2	000119-84-6	52
5	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	46

****

Peak Number 8 Cyclododecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	80.08 ng	1725360	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	97
2	Cyclodecane	140	C10H20	000293-96-9	94
3	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	94
4	Cyclodecane	140	C10H20	000293-96-9	93
5	1-Dodecanol	186	C12H26O	000112-53-8	91

****

Peak Number 9 3-Ethoxy-4-hydroxybenzyl alcohol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	389.69 ng	8396430	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethoxy-4-hydroxybenzyl alcohol	168	C9H12O3	1000132-02-2	95
2	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	37
3	Benzenamine, 3-methoxy-	123	C7H9NO	000536-90-3	35
4	Bicyclo[3.3.1]nonan-2-ol, exo-	140	C9H16O	010036-15-4	25
5	Benzenamine, 3-methoxy-	123	C7H9NO	000536-90-3	20

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

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Peak Number 10 1-Dodecanamine, N,N-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	68.01 ng	1465290	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	64
2	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	64
3	Cyclopentaneethanamine, N,.alpha.-d	141	C9H19N	000102-45-4	59
4	Trimethylamine, 1-cyclohexyl-	141	C9H19N	016607-80-0	59
5	1-Heptanamine, N,N-dimethyl-	143	C9H21N	005277-11-2	59

****

Peak Number 11 1H-Benzotriazole, 5-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	360.00 ng	7756800	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
2	Benzene, 1-isocyanato-3-methyl-	133	C8H7NO	000621-29-4	91
3	Benzene, 1-isocyanato-4-methyl-	133	C8H7NO	000622-58-2	72
4	1H-Indol-4-ol	133	C8H7NO	002380-94-1	70
5	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	64

****

Peak Number 12 Benzeneacetic acid, .alpha.,4-dihydroxy Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	83.02 ng	1788870	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.,4-dihyd	168	C8H8O4	001198-84-1	46
2	.alpha.-Chloro-4'-fluoropropiopheno	186	C9H8ClFO	081112-09-6	38
3	Benzoic acid, 2-fluoro-, ethyl este	168	C9H9FO2	000443-26-5	38
4	.beta.-Chloro-para-fluoropropiophen	186	C9H8ClFO	000347-93-3	38
5	Benzeneacetic acid, 3,4-dihydroxy-	168	C8H8O4	000102-32-9	38

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

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Peak Number 13 1H-Benzotriazole, 5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	284.06 ng	6120520	Acenaphthene-d10	9.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	94
2	2,3-Dihydroindole-2-one	133	C8H7NO	1000129-53-5	83
3	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	74
4	Benzene, 1-isocyanato-2-methyl-	133	C8H7NO	000614-68-6	58
5	1H-Indol-5-ol	133	C8H7NO	001953-54-4	52

****

Peak Number 14 1,1-Dimethylamino-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	163.61 ng	4062620	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethylamino-1-butene	99	C6H13N	014548-12-0	72
2	N,N-Dimethyltetradecanamine	241	C16H35N	1000129-24-3	72
3	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	64
4	1-Hexanol, 6-(dimethylamino)-	145	C8H19NO	001862-07-3	64
5	2-Butanone, 4-(dimethylamino)-3-met	129	C7H15NO	022104-62-7	64

****

Peak Number 15 Formamide, N-methyl-N-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	61.36 ng	1523690	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N-methyl-N-phenyl-	135	C8H9NO	000093-61-8	47
2	N'-(g-Hydroxy-2-nitrocinnamylidene)	341	C17H15N3O5	1000225-23-4	47
3	N',N'''-(5,5'-Methylenedisalicylide	552	C31H28N4O6	1000225-25-4	47
4	Benzaldehide,hydrazone-(4-methoxybe	268	C16H16N2O2	1000221-97-1	43
5	1-(4-Hydroxymethylphenyl)ethanone	150	C9H10O2	075633-63-5	43

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
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Peak Number 16 2,4,6-Triallyloxy-1,3,5-triazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	1236.84 ng	30712500	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Triallyloxy-1,3,5-triazine	249	C12H15N3O3	000101-37-1	59
2	2,4,6-Triallyloxy-1,3,5-triazine	249	C12H15N3O3	000101-37-1	45
3	Hexane, 1,2-dichloro-	154	C6H12Cl2	002162-92-7	37
4	1,2,3,6-Tetrahydropyridine	83	C5H9N	000694-05-3	37
5	Cyclooctane	112	C8H16	000292-64-8	32

****

Peak Number 17 2-Butyl methylphosphonofluoridate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	245.19 ng	6088490	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	28
2	1,4-Dioxaspiro[4.4]nonane-7-methano	158	C8H14O3	065005-20-1	9
3	2,5-Pyrrolidinedione	99	C4H5NO2	000123-56-8	9
4	2-Acetyl-3-methylthiophene	140	C7H8OS	013679-72-6	9
5	1,4-Dioxaspiro[4.6]undecan-6-one	170	C9H14O3	089874-32-8	9

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Peak Number 18 Sarin Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	44.42 ng	1103050	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sarin	140	C4H10FO2P	000107-44-8	43
2	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	28
3	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	25
4	Triisopropylphosphate	224	C9H21O4P	000513-02-0	25
5	Sarin	140	C4H10FO2P	000107-44-8	17

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
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Peak Number 19 **1-Methyl-1-ethyl-1-silacyclobutane** Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	**54.19** ng	1345510	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-ethyl-1-silacyclobutane	114	C6H14Si	000765-45-7	38
2	N,N-Diethyl-2-aminoethanol	117	C6H15NO	000100-37-8	38
3	1-Propanamine, N,N-diethyl-	115	C7H17N	004458-31-5	35
4	Ethyl-methylamphetamine	177	C12H19N	1000120-30-0	35
5	Diethylvinylsilane	114	C6H14Si	002372-29-4	27

****

Peak Number 20 **Tetradecyltrimethylammonium bromide** Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	**45.74** ng	1135670	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	72
2	Propylhexedrine	155	C10H21N	000101-40-6	72
3	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	56
4	1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	56
5	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	50

****

Peak Number 21 **Dodecane, 1-(methoxymethoxy)-** Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	**35.27** ng	875836	Phenanthrene-d10	11.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-(methoxymethoxy)-	230	C14H30O2	034458-41-8	49
2	Hexane, 1-(methoxymethoxy)-	146	C8H18O2	066675-06-7	38
3	2-Hexanol, 5-methyl-	116	C7H16O	000627-59-8	27
4	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	25
5	Methyl 4,6-decadienyl ether	168	C11H20O	1000130-99-8	18

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

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Peak Number 22 **Ethanol, 2-[2-(ethenyloxy)ethoxy]-** Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	**32.74** ng	958470	Chrysene-d12	17.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(ethenyloxy)ethoxy]-	132	C6H12O3	000929-37-3	53
2	Pentaethylene glycol	238	C10H22O6	004792-15-8	53
3	15-Crown-5	220	C10H20O5	033100-27-5	50
4	Ethanol, 2-[2-(2-methoxyethoxy)etho	164	C7H16O4	000112-35-6	50
5	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	47

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Peak Number 23 **Glycerol tricaprylate** Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.18	**210.59** ng	7673500	Perylene-d12	22.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycerol tricaprylate	470	C27H50O6	000538-23-8	52
2	Octanethioic acid, S-hexyl ester	244	C14H28OS	055590-85-7	40
3	(E)-N,N'-Di-tert-butyl-2,2,3,6,6-pe	308	C20H40N2	109106-16-3	33
4	N-[4-Chlorophenyl]-N'-[4,5-dioxo-1-	307	C13H14ClN5O2	1000226-99-9	28
5	Thiazole, 4,5-dimethyl-2-propyl-	155	C8H13NS	041981-72-0	9

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Peak Number 24 **Glycerol tricaprylate** Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.53	**295.72** ng	10775300	Perylene-d12	22.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycerol tricaprylate	470	C27H50O6	000538-23-8	58
2	1,4-Dioxaspiro[4.4]nonane, 7-butyl-	212	C13H24O2	104807-77-4	42
3	4-Nitrohistidine, methyl ester	214	C7H10N4O4	1000129-54-9	40
4	Thiazole, 4-ethyl-2-propyl-	155	C8H13NS	041981-68-4	36
5	2-Hydroxy-4-hydroxylaminopyrimidine	127	C4H5N3O2	020555-88-8	35

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062516.D Vial: 15
Acq On : 25 Jun 2004 6:13 pm Operator: YH
Sample : 0406B33-001B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 25 2,5-Bis(1-naphthamido)terephthalic Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.38	112.76 ng	4108880	Perylene-d12	22.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Bis(1-naphthamido)terephthalic	504	C30H20N2O6	1000223-95-1	47
2	Benzene, 2,4-difluoro-1-isocyanato-	155	C7H3F2NO	059025-55-7	47
3	2-(1-Naphthyl)-4-(3,4,5-trimethoxyb	389	C23H19NO5	1000225-58-8	38
4	1'-Acetonaphthone	170	C12H10O	000941-98-0	38
5	Decanoic acid, 2-hydroxy-1-(hydroxy	246	C13H26O4	003376-48-5	38

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 6:13 pm
Data File: C:\HPCHEM\1\DATA\R40625\R4062516.D
Name: 0406B33-001B 47036
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title: MS-10 BNA CURVES
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydroxy-4-methyl	3.18	261.8	ng	8889360	ISTD01	4.85	1358330	40.0
Benzene, 1,3-dimethyl-	3.48	27.0	ng	917050	ISTD01	4.85	1358330	40.0
Hexylene Glycol	4.13	59.1	ng	2005390	ISTD01	4.85	1358330	40.0
2-Propanol, 1-(2-methylethoxy)	4.73	32.5	ng	1102870	ISTD01	4.85	1358330	40.0
1-Hexanol, 2-ethyl-	4.97	38.2	ng	1298250	ISTD01	4.85	1358330	40.0
2-Propanol, 1,1'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis	5.31	38.5	ng	1307170	ISTD01	4.85	1358330	40.0
2(3H)-Benzofuranone, 3-methyl-	8.10	132.0	ng	2844340	ISTD03	9.04	861858	40.0
Cyclododecane	8.74	80.1	ng	1725360	ISTD03	9.04	861858	40.0
3-Ethoxy-4-hydroxybenzyl alcohol	9.22	389.7	ng	8396430	ISTD03	9.04	861858	40.0
1-Dodecanamine, N,N-dimethyl-	9.33	68.0	ng	1465290	ISTD03	9.04	861858	40.0
1H-Benzotriazole, 5-methyl-	9.61	360.0	ng	7756800	ISTD03	9.04	861858	40.0
Benzeneacetic acid, .alpha.,4-dihydroxy	9.73	83.0	ng	1788870	ISTD03	9.04	861858	40.0
1H-Benzotriazole, 5-methyl-	9.99	284.1	ng	6120520	ISTD03	9.04	861858	40.0
1,1-Dimethylamino-1-butene	11.07	163.6	ng	4062620	ISTD04	11.89	993258	40.0
Formamide, N-methyl-N-phenyl-	11.49	61.4	ng	1523690	ISTD04	11.89	993258	40.0
2,4,6-Triallyloxy-1,3,5-triazine	11.78	1236.8	ng	30712500	ISTD04	11.89	993258	40.0
2-Butyl methylphosphonofluoridate	11.96	245.2	ng	6088490	ISTD04	11.89	993258	40.0
Sarin	12.06	44.4	ng	1103050	ISTD04	11.89	993258	40.0
1-Methyl-1-ethyl-1-silacyclobutane	12.34	54.2	ng	1345510	ISTD04	11.89	993258	40.0
Tetradecyltrimethylammonium bromide	12.79	45.7	ng	1135670	ISTD04	11.89	993258	40.0
Dodecane, 1-(methoxymethoxy)-	13.52	35.3	ng	875836	ISTD04	11.89	993258	40.0
Ethanol, 2-[2-(ethenyloxy)ethoxy]-	15.73	32.7	ng	958470	ISTD05	17.54	1170910	40.0
Glycerol tricaprylate	22.18	210.6	ng	7673500	ISTD06	22.06	1457520	40.0
Glycerol tricaprylate	24.53	295.7	ng	10775300	ISTD06	22.06	1457520	40.0
2,5-Bis(1-naphthamido)terephthalic	26.38	112.8	ng	4108880	ISTD06	22.06	1457520	40.0

R4062516.D B052404.M Tue Jun 29 09:15:13 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:36 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.85	152	110379	40.00	ng	-0.02
23) Naphthalene-d8	6.31	136	429433	40.00	ng	-0.02
45) Acenaphthene-d10	9.03	164	224591	40.00	ng	-0.03
73) Phenanthrene-d10	11.87	188	379920	40.00	ng	-0.03
92) Chrysene-d12	17.52	240	361330	40.00	ng	-0.04
105) Perylene-d12	22.04	264	433161	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	3.66	112	297979	82.15	ng	0.04
Spiked Amount 100.000	Range 21 - 110		Recovery = 82.15%			
9) Phenol-d5	4.65	99	365582m	76.77	ng	0.04
Spiked Amount 100.000	Range 10 - 110		Recovery = 76.77%			
24) Nitrobenzene-d5	5.49	82	225308	43.73	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 87.46%			
50) 2-Fluorobiphenyl	7.88	172	320248	39.99	ng	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 79.98%			
72) 2,4,6-Tribromophenol	10.55	330	59938	95.19	ng	-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 95.19%			
94) 4-Terphenyl-d14	15.28	244	153336	16.59	ng	-0.03
Spiked Amount 50.000	Range 33 - 141		Recovery = 33.18%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.	d	
4) Methyl methanesulfonate	0.00	80	0	N.D.	d	
6) Ethyl methanesulfonate	0.00	79	0	N.D.	d	
7) Benzaldehyde	0.00	105	0	N.D.	d	
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.	d	
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	0.00	128	0	N.D.	d	
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	5.06	108	159112	59.06	ng	98
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.	d	
18) 2-Methylphenol	5.26	107	6346524m	1834.62	ng	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:36 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.44	107	8060912m	1895.04	ng		
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d		
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	d		
22)	Hexachloroethane	0.00	117	0	N.D.	d		
25)	Acetophenone	0.00	105	0	N.D.	d		
26)	Nitrobenzene	0.00	77	0	N.D.	d		
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	d		
28)	Isophorone	0.00	82	0	N.D.	d		
29)	2-Nitrophenol	0.00	139	0	N.D.			
30)	2,4-Dimethylphenol	5.97	122	128665	34.90	ng		96
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	d		
32)	2,4-Dichlorophenol	0.00	162	0	N.D.			
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.			
34)	Naphthalene	6.33	128	80236	6.73	ng		81
35)	Benzoic acid	6.24	122	481271	233.43	ng	#	69
36)	2,6-Dichlorophenol	0.00	162	0	N.D.			
37)	4-Chloroaniline	0.00	127	0	N.D.	d		
38)	Hexachlorobutadiene	0.00	225	0	N.D.			
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	d		
40)	Caprolactam	6.95	55	208328m	82.93	ng		
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	d		
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	d		
43)	2-Methylnaphthalene	0.00	142	0	N.D.	d		
44)	1-Methylnaphthalene	0.00	142	0	N.D.	d		
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.			
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.			
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.			
51)	Biphenyl	7.68	154	15805	1.56	ng	#	54
52)	2-Chloronaphthalene	0.00	162	0	N.D.			
53)	1-Chloronaphthalene	0.00	162	0	N.D.			
54)	2-Nitroaniline	0.00	65	0	N.D.	d		
55)	3-Nitroaniline	0.00	138	0	N.D.			
56)	Pentachlorobenzene	0.00	250	0	N.D.			
57)	4-Nitroaniline	0.00	138	0	N.D.			
58)	2-Naphthylamine	0.00	143	0	N.D.	d		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:36 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.	d		
60)	Dimethyl phthalate	0.00	163	0	N.D.	d		
61)	Acenaphthylene	0.00	152	0	N.D.			
62)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d		
63)	Acenaphthene	0.00	154	0	N.D.			
64)	2,4-Dinitrophenol	0.00	184	0	N.D.			
65)	Dibenzofuran	0.00	168	0	N.D.			
66)	4-Nitrophenol	0.00	65	0	N.D.	d		
67)	2,4-Dinitrotoluene	0.00	165	0	N.D.	d		
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
69)	Diethyl phthalate	0.00	149	0	N.D.	d		
70)	Fluorene	0.00	166	0	N.D.			
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.			
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.			
75)	Azobenzene	0.00	77	0	N.D.	d		
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.			
77)	Diphenylamine	0.00	170	0	N.D.	d		
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.			
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.	d		
80)	Phenacetin	0.00	108	0	N.D.			
81)	Hexachlorobenzene	0.00	284	0	N.D.			
82)	Atrazine	0.00	200	0	N.D.			
83)	4-Aminobiphenyl	0.00	169	0	N.D.	d		
84)	Pentachlorophenol	0.00	266	0	N.D.			
85)	Pentachloronitrobenzene	0.00	237	0	N.D.			
86)	Pronamide	0.00	173	0	N.D.			
87)	Phenanthrene	0.00	178	0	N.D.	d		
88)	Anthracene	0.00	178	0	N.D.	d		
89)	Carbazole	0.00	167	0	N.D.			
90)	Di-n-butyl phthalate	0.00	149	0	N.D.			
91)	Fluoranthene	0.00	202	0	N.D.			
93)	Pyrene	0.00	202	0	N.D.			
95)	Benzidine	14.54	184	127328	61.63	ng	#	87
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.			
97)	Butyl benzyl phthalate	0.00	149	0	N.D.			
98)	Benz(a)anthracene	0.00	228	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:36 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

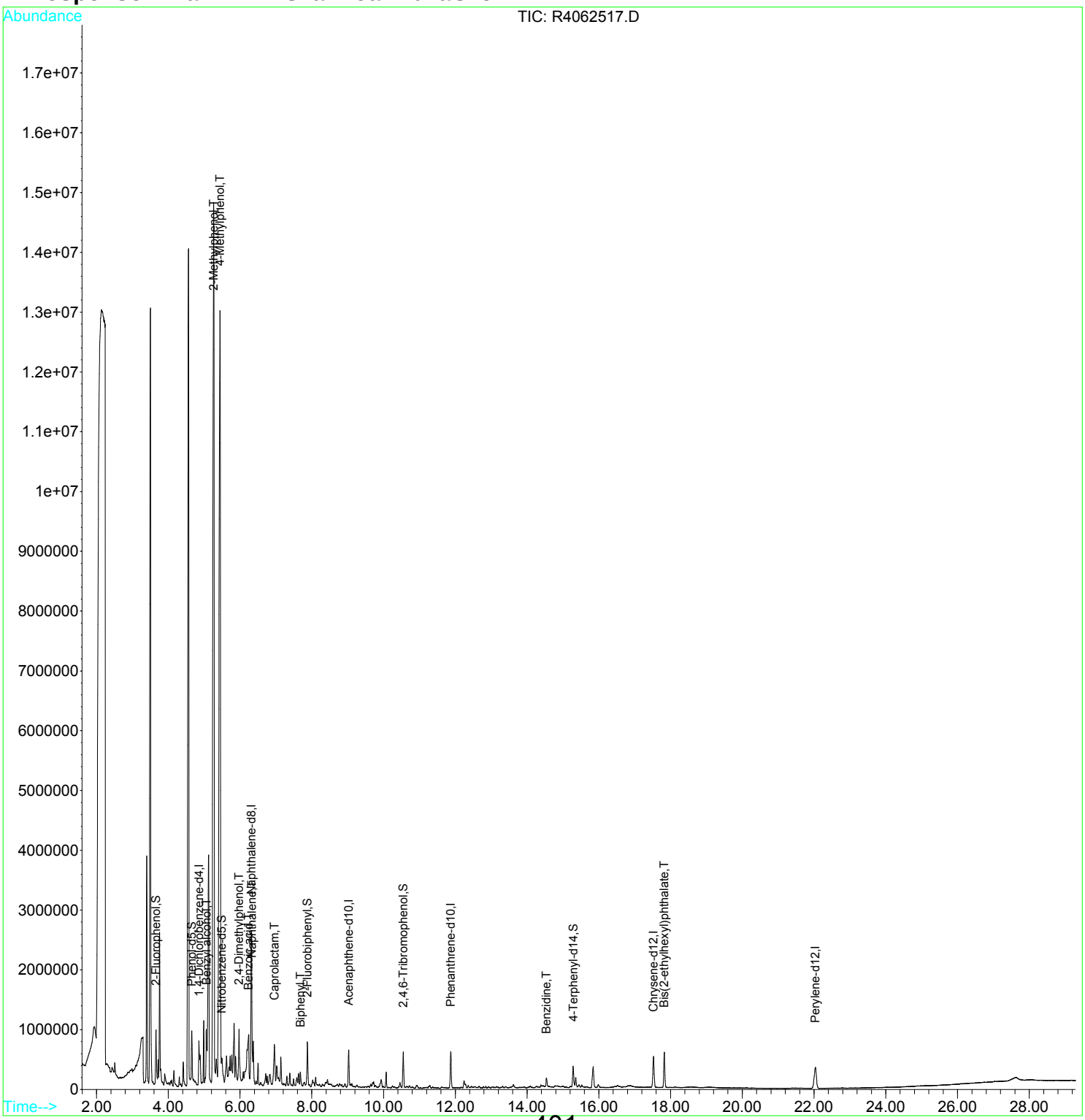
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	17.82	149	322236	29.34	ng	99
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:36 2004 Quant Results File: B052404.RES

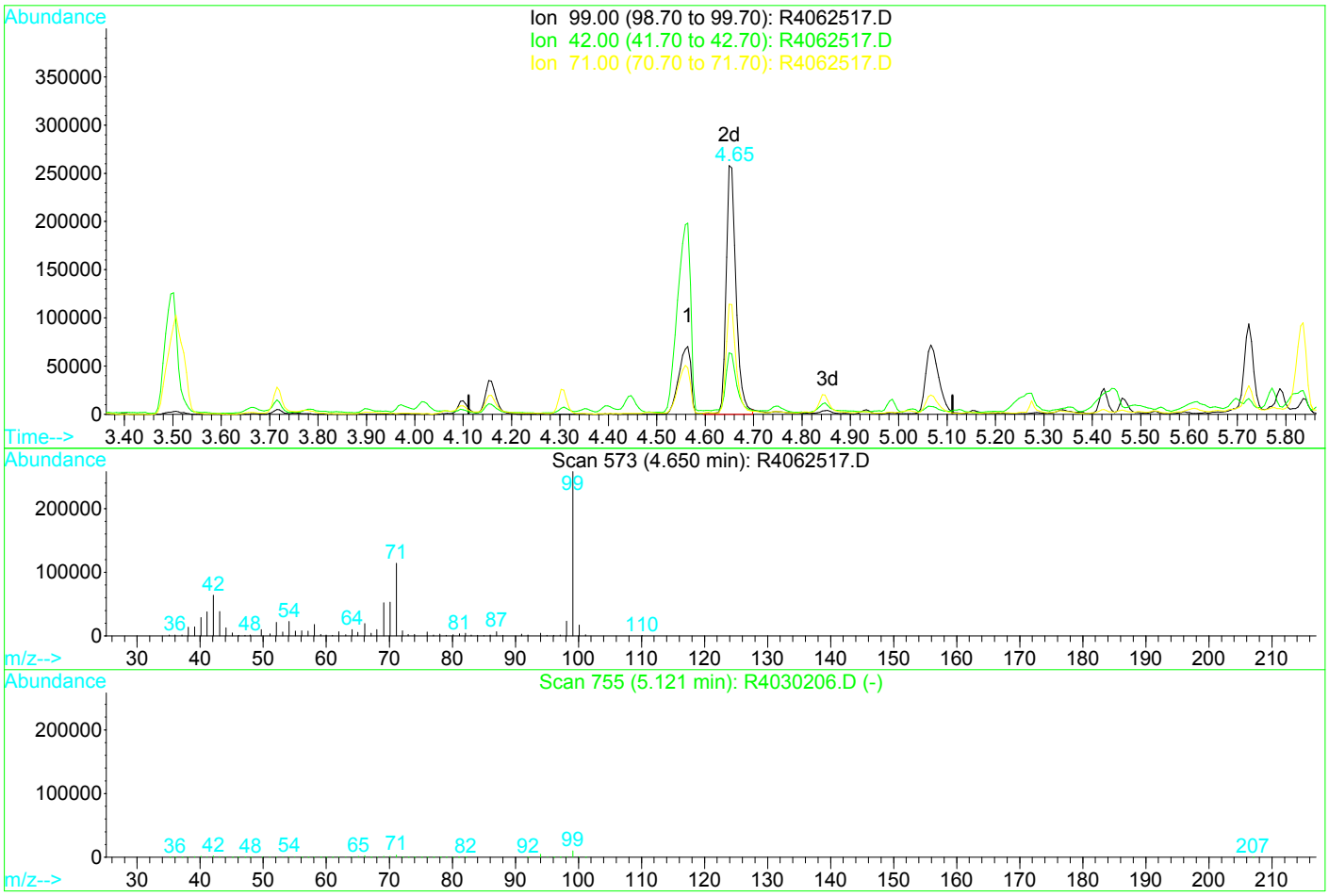
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:32 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Multiple Level Calibration



TIC: R4062517.D

(9) Phenol-d5 (S)

4.65min 76.77ng m

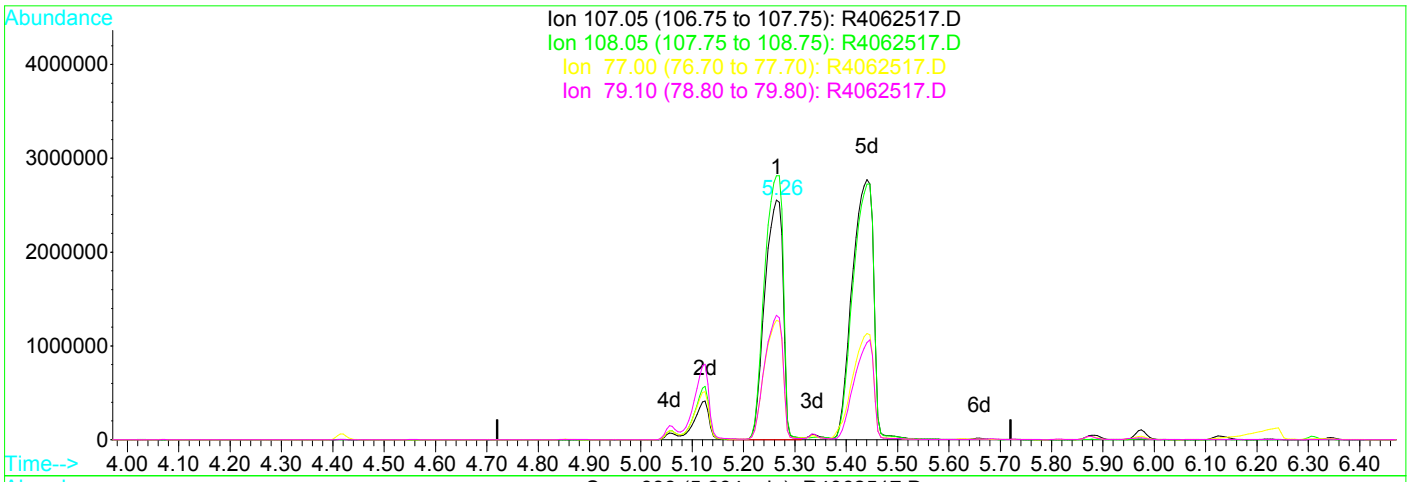
response 365582

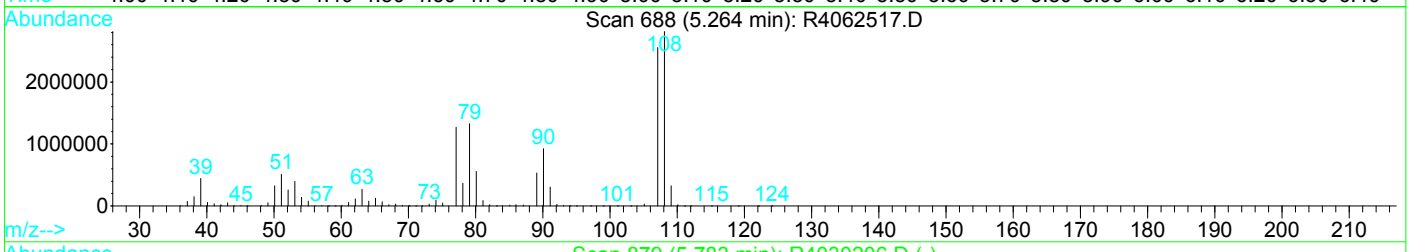
Ion	Exp%	Act%
99.00	100	100
42.00	32.50	101.37#
71.00	44.30	23.85#
0.00	0.00	0.00

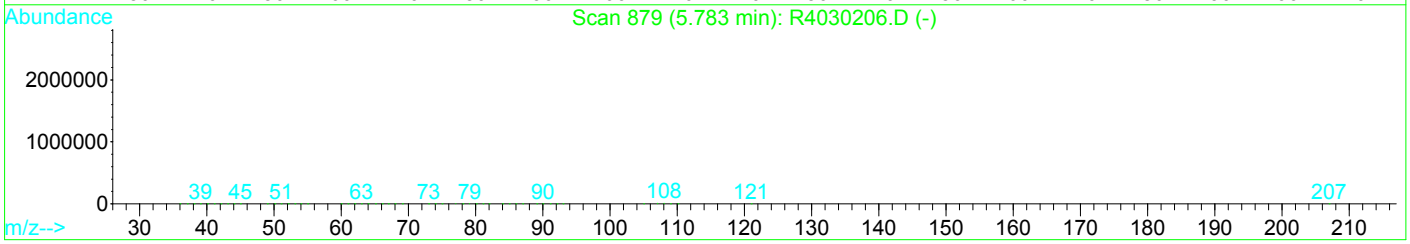
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:32 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Multiple Level Calibration







TIC: R4062517.D

(18) 2-Methylphenol (T)

5.26min 1834.62ng m

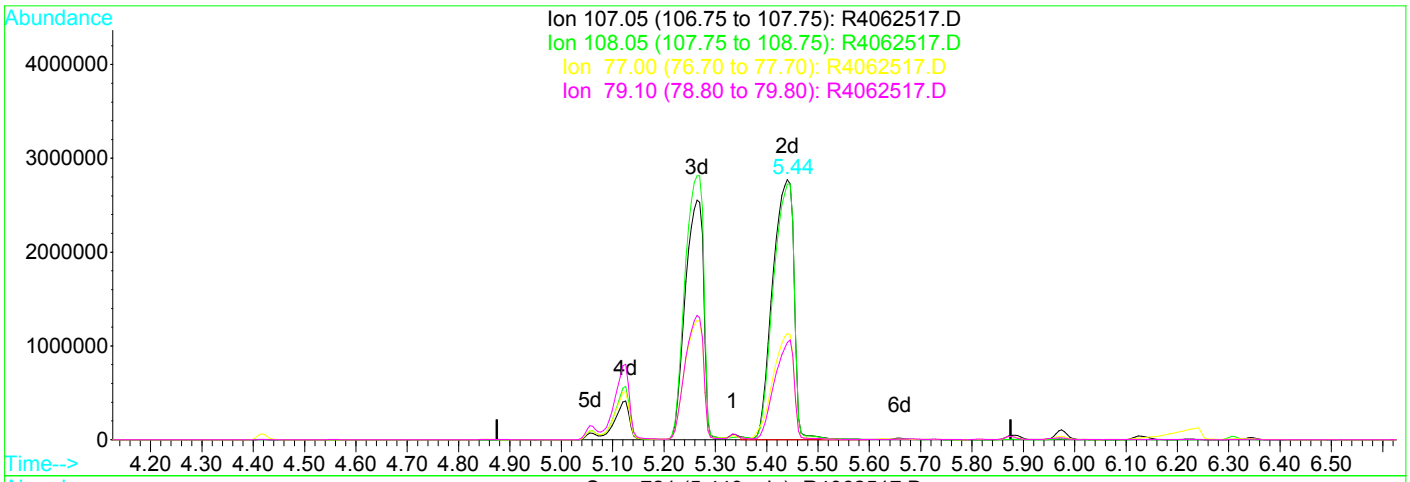
response 6346524

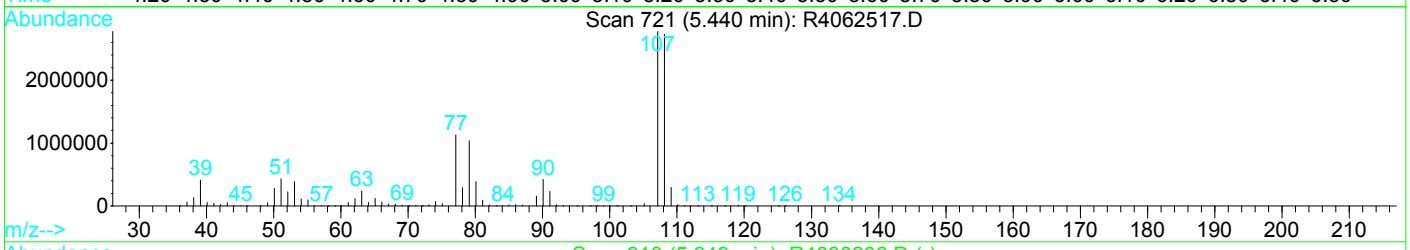
Ion	Exp%	Act%
107.05	100	100
108.05	110.20	111.89
77.00	84.50	50.27#
79.10	75.20	51.58#

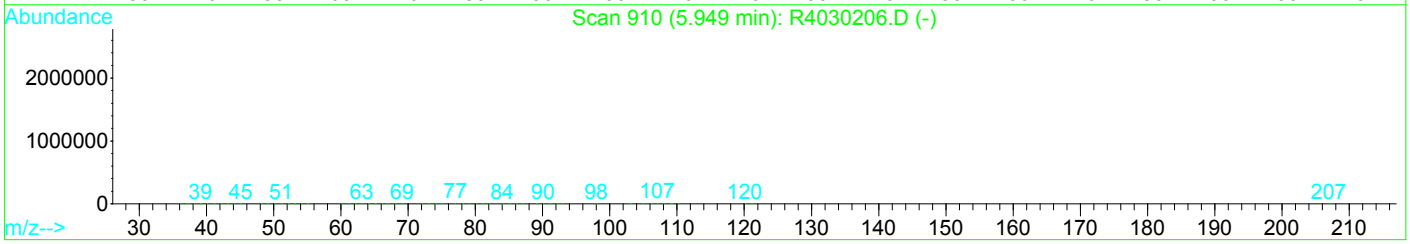
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:33 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Multiple Level Calibration







TIC: R4062517.D

(19) 4-Methylphenol (T)

5.44min 1895.04ng m

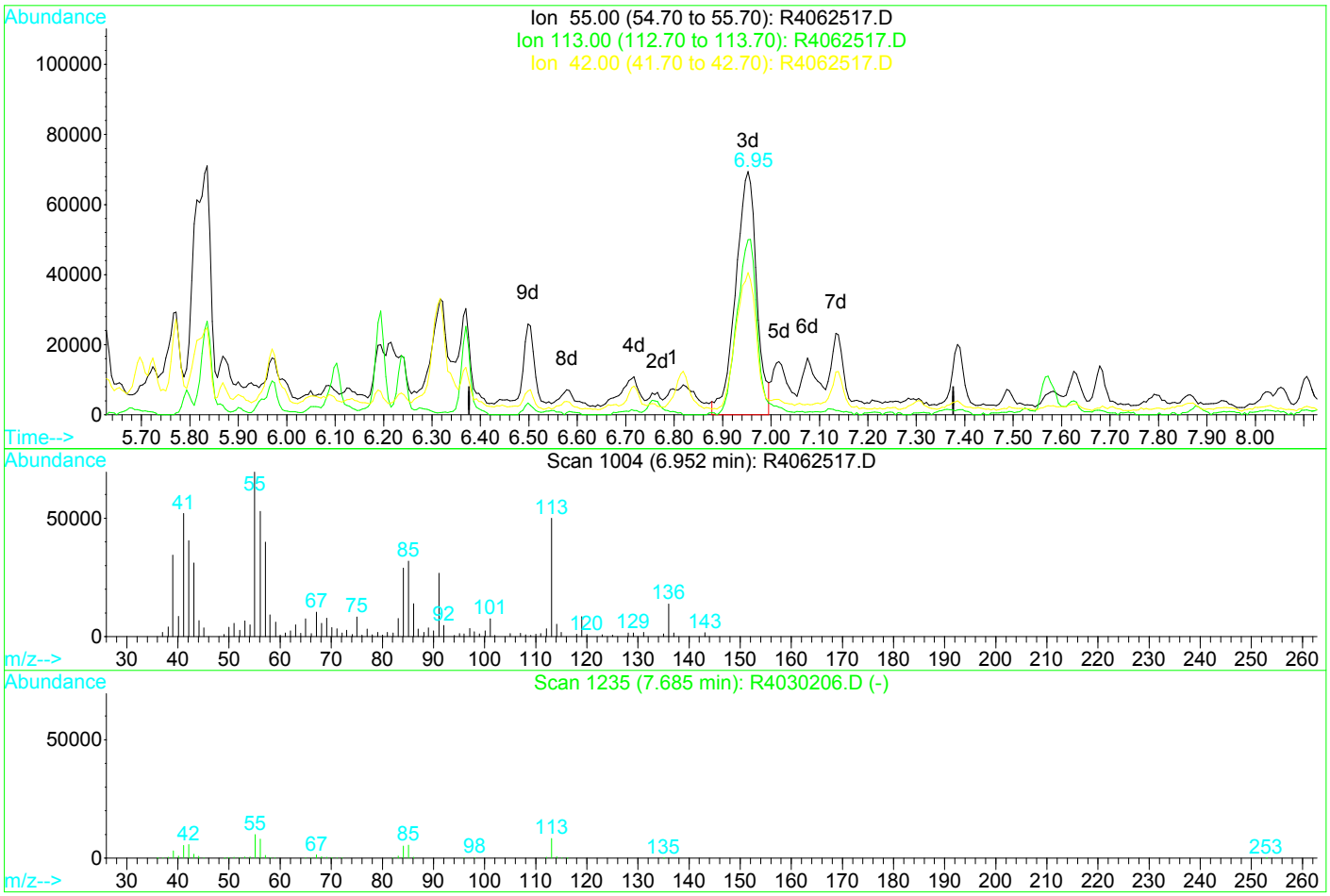
response 8060912

Ion	Exp%	Act%
107.05	100	100
108.05	89.40	0.00#
77.00	41.50	0.79#
79.10	35.80	1.04#

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 13:34 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Tue Jun 22 16:16:16 2004
Response via : Multiple Level Calibration



TIC: R4062517.D

(40) Caprolactam (T)

6.95min 82.93ng m

response 208328

Ion	Exp%	Act%
55.00	100	100
113.00	55.90	0.00#
42.00	54.10	10.51#
0.00	0.00	0.00

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	75	102	106	rBV3	12180507	87386344	100.00%	34.432%
2	3.400	332	339	349	rVB	3804341	5356702	6.13%	2.111%
3	3.501	349	358	369	rBV	12967183	21878232	25.04%	8.621%
4	3.656	381	387	394	rBV2	894779	1500989	1.72%	0.591%
5	3.758	401	406	410	rBV	2428252	3001152	3.43%	1.183%
6	4.564	547	557	561	rBV	13996106	26980756	30.88%	10.631%
7	4.655	569	574	581	rVB	830272	1178829	1.35%	0.464%
8	4.853	605	611	615	rBV3	735806	1287025	1.47%	0.507%
9	4.986	631	636	640	rVB	1041276	1123976	1.29%	0.443%
10	5.061	645	650	654	rVV2	892664	1651330	1.89%	0.651%
11	5.125	654	662	677	rVB	3810710	7376323	8.44%	2.906%
12	5.264	677	688	698	rBV	14719492	36373073	41.62%	14.332%
13	5.440	708	721	727	rVV	12902652	35874930	41.05%	14.136%
14	5.488	727	730	743	rVB2	409362	1093356	1.25%	0.431%
15	5.622	744	755	760	rBV3	440086	1053428	1.21%	0.415%
16	5.836	787	795	799	rVV4	967776	1898065	2.17%	0.748%
17	5.969	813	820	832	rVB4	866358	1649168	1.89%	0.650%
18	6.316	877	885	892	rBV2	2494712	4881222	5.59%	1.923%
19	6.370	892	895	904	rVB	725876	964213	1.10%	0.380%
20	6.958	994	1005	1012	rBV3	666076	1617795	1.85%	0.637%
21	7.876	1169	1177	1184	rVB	724679	1227294	1.40%	0.484%
22	9.030	1381	1393	1399	rBV	621614	1166771	1.34%	0.460%
23	10.547	1670	1677	1688	rVB2	594906	1066451	1.22%	0.420%
24	11.872	1917	1925	1937	rVB2	608069	1197732	1.37%	0.472%
25	15.842	2656	2668	2681	rBV3	354868	944404	1.08%	0.372%
26	17.524	2973	2983	2993	rVB2	517472	1291460	1.48%	0.509%
27	17.823	3029	3039	3050	rBV	590767	1235925	1.41%	0.487%

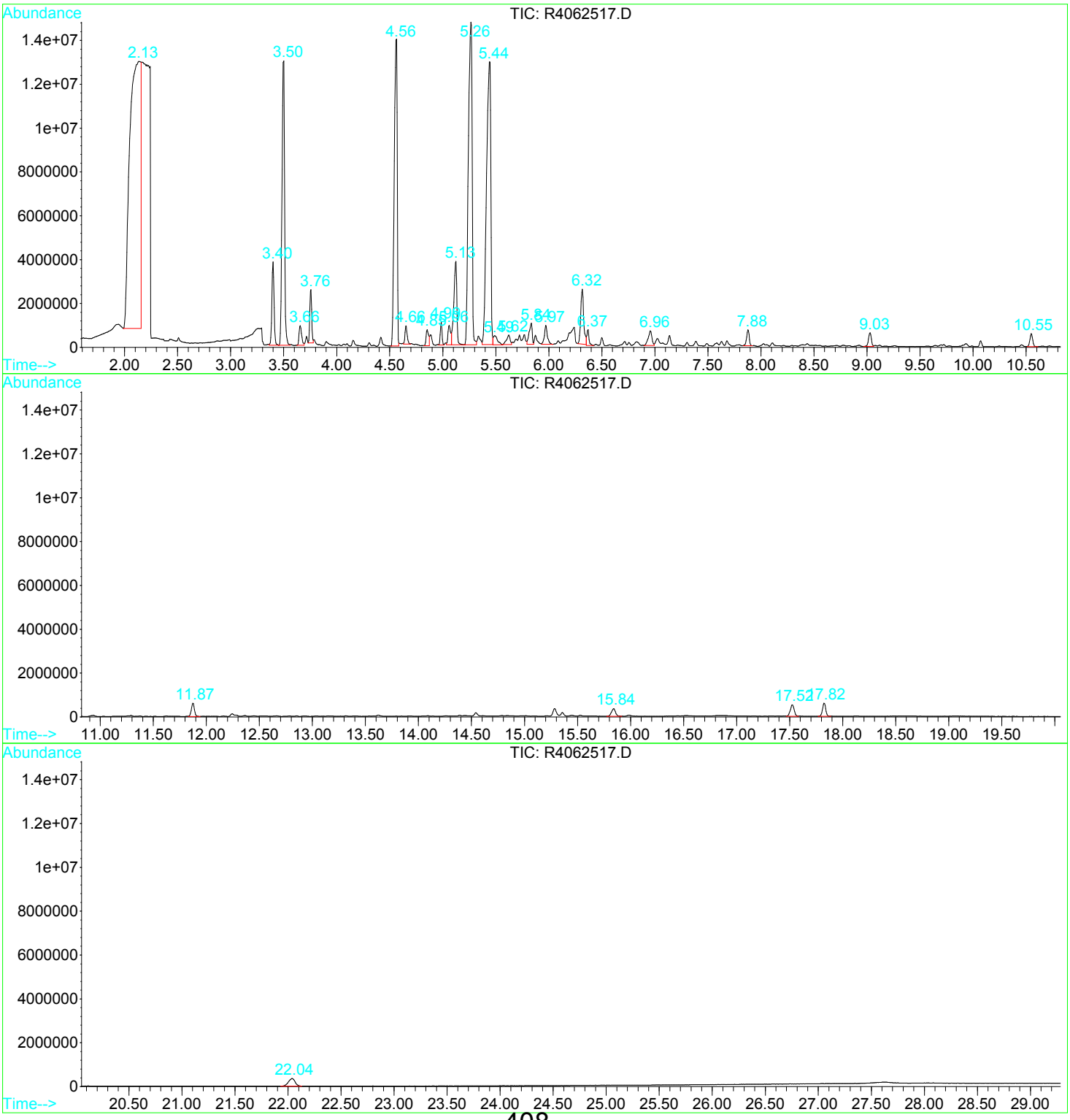
28 22.038 3808 3828 3844 rBV2 354337 1535092 1.76% 0.605%

Sum of corrected areas: 253792037

R4062517.D B052404.M Tue Jun 29 09:17:30 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\R40625\R4062517.D
Operator : YH
Acquired : 25 Jun 2004 6:50 pm using AcqMethod &PAH2
Instrument : GC/MS 10
Sample Name: 0406B33-002B 47036
Misc Info : SAMP 8270_TCL4.2_W
Vial Number: 16
Quant File :B052404.RES (RTE Integrator)



R4062517.D B052404.M Tue Jun 29 09:17:30 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	2715.92 ng	87386300	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Toluene	92	C7H8	000108-88-3	90
3	Toluene	92	C7H8	000108-88-3	87
4	Toluene	92	C7H8	000108-88-3	83
5	Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	80

****

Peak Number 2 Ethylbenzene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	166.48 ng	5356700	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	95
2	Ethylbenzene	106	C8H10	000100-41-4	94
3	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	91
4	Ethylbenzene	106	C8H10	000100-41-4	91
5	p-Xylene	106	C8H10	000106-42-3	86

****

Peak Number 3 p-Xylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	679.96 ng	21878200	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	92
2	p-Xylene	106	C8H10	000106-42-3	92
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	92
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	92
5	p-Xylene	106	C8H10	000106-42-3	92

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Benzene, 1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	93.27 ng	3001150	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	Benzene, 1,2-dimethyl-	106	C8H10	000095-47-6	95
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95

****

Peak Number 5 2-Propenoic acid, 2-methyl-, butyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	838.55 ng	26980800	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, butyl	142	C8H14O2	000097-88-1	64
2	2-Butenoic acid, butyl ester	142	C8H14O2	007299-91-4	53
3	2-Propenoic acid, 2-methyl-, propyl	128	C7H12O2	002210-28-8	50
4	2-Propenoic acid, 2-methyl-, butyl	142	C8H14O2	000097-88-1	50
5	2-Propenoic acid, 2-methyl-, 2-hydr	130	C6H10O3	000868-77-9	47

****

Peak Number 6 Propane, 1-(1,1-dimethylethoxy)-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	34.93 ng	1123980	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1,1-dimethylethoxy)-2-m	130	C8H18O	033021-02-2	25
2	3-Pentanone, 2,2,4,4-tetramethyl-	142	C9H18O	000815-24-7	16
3	Propane, 1-(1,1-dimethylethoxy)-2,2	144	C9H20O	032970-46-0	9
4	(tert-Butoxymethyl)oxirane	130	C7H14O2	007665-72-7	9
5	3-Pentanone, 2,2,4,4-tetramethyl-	142	C9H18O	000815-24-7	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 Benzyl Alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	229.25 ng	7376320	1,4-Dichlorobenzene-d4	4.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzyl Alcohol	108	C7H8O	000100-51-6	95
2	Benzyl Alcohol	108	C7H8O	000100-51-6	95
3	N-Cbz-glycyl-glycine-p-nitrophenyl	387	C18H17N3O7	1000126-28-8	91
4	Benzyl Alcohol	108	C7H8O	000100-51-6	81
5	L-Arginine, N2-[(phenylmethoxy)carb	308	C14H20N4O4	001234-35-1	72

****

Peak Number 8 Furan, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	8.63 ng	1053430	Naphthalene-d8	6.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-ethyl-	96	C6H8O	003208-16-0	14
2	Furan, 2-ethyl-	96	C6H8O	003208-16-0	14
3	3-Hexyne, 2-methyl-	96	C7H12	036566-80-0	14
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	14
5	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	11

****

Peak Number 9 Cyclohexanone, 4-hydroxy-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	15.55 ng	1898070	Naphthalene-d8	6.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-hydroxy-4-methyl-	128	C7H12O2	017429-02-6	97
2	Trans-3-methylpent-3-ene-5-ol	100	C6H12O	030801-95-7	43
3	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	43
4	2-Penten-1-ol, 2-methyl-	100	C6H12O	001610-29-3	43
5	Furan, 2-ethoxy-2,3-dihydro-4-meth	128	C7H12O2	110431-25-9	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\R40625\R4062517.D Vial: 16
Acq On : 25 Jun 2004 6:50 pm Operator: YH
Sample : 0406B33-002B 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 Cycloheptanone, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	29.25 ng	944404	Chrysene-d12	17.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanone, 2-ethyl-	140	C9H16O	003183-41-3	35
2	Cycloheptanone, 2-(3-buten-1-yl)-	166	C11H18O	033015-80-4	27
3	Cycloheptanone	112	C7H12O	000502-42-1	27
4	Piperidine, 1,2,6-trimethyl-, cis-	127	C8H17N	002439-13-6	27
5	Piperidine, 5-ethyl-2-methyl-	127	C8H17N	000104-89-2	22

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 6:50 pm
Data File: C:\HPCHEM\1\DATA\R40625\R4062517.D
Name: 0406B33-002B 47036
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title: MS-10 BNA CURVES
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Toluene	2.13	2715.9	ng	87386300	ISTD01	4.85	1287030	40.0
Ethylbenzene	3.40	166.5	ng	5356700	ISTD01	4.85	1287030	40.0
p-Xylene	3.50	680.0	ng	21878200	ISTD01	4.85	1287030	40.0
Benzene, 1,2-dimethyl-	3.76	93.3	ng	3001150	ISTD01	4.85	1287030	40.0
2-Propenoic acid, 2-methyl-, butyl	4.56	838.5	ng	26980800	ISTD01	4.85	1287030	40.0
Propane, 1-(1,1-dimethylethoxy)-2-methyl-	4.99	34.9	ng	1123980	ISTD01	4.85	1287030	40.0
Benzyl Alcohol	5.13	229.3	ng	7376320	ISTD01	4.85	1287030	40.0
Furan, 2-ethyl-	5.62	8.6	ng	1053430	ISTD02	6.31	4881220	40.0
Cyclohexanone, 4-hydroxy-4-methyl-	5.84	15.6	ng	1898070	ISTD02	6.31	4881220	40.0
Cycloheptanone, 2-ethyl-	15.84	29.3	ng	944404	ISTD05	17.52	1291460	40.0

R4062517.D B052404.M Tue Jun 29 09:17:31 2004

Injection Log

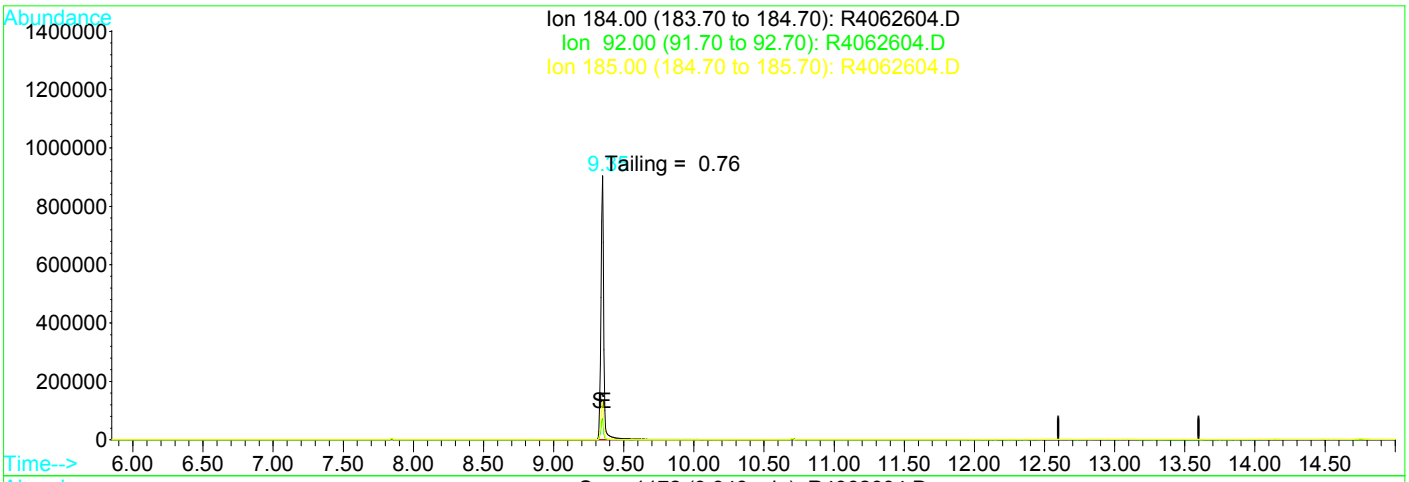
Directory: C:\HPCHEM\1\DATA\R40626

Line	Vial	FileName	Multiplier	SampleName			Misc Info	Injected
1	1	R4062601.D	1.	DFTPP			TUNE DFTPP_4	26 Jun 2004 12:13
2	2	R4062603.D	1.	BNA40	2271		CCV 8270_TCL4.2_W	26 Jun 2004 12:36
3	1	R4062604.D	1.	DFTPP			TUNE DFTPP_4	26 Jun 2004 13:09
4	2	R4062605.D	1.	BNA60	2271		CCV 8270_TCL4.2_W	26 Jun 2004 13:32
5	3	R4062606.D	1.	MBSEQ	2271		MBLK 8270_TCL4.2_W	26 Jun 2004 14:10
6	4	R4062607.D	1.	0406B33-001B	50X	47036	SAMP 8270_TCL4.2_W	26 Jun 2004 14:47
7	5	R4062608.D	1.	0406B33-002B	50X	47036	SAMP 8270_TCL4.2_W	26 Jun 2004 15:24

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062604.D Vial: 1
Acq On : 26 Jun 2004 1:09 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:01 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062604.D

(7) Benzidine (T)

9.35min 0.00ng m

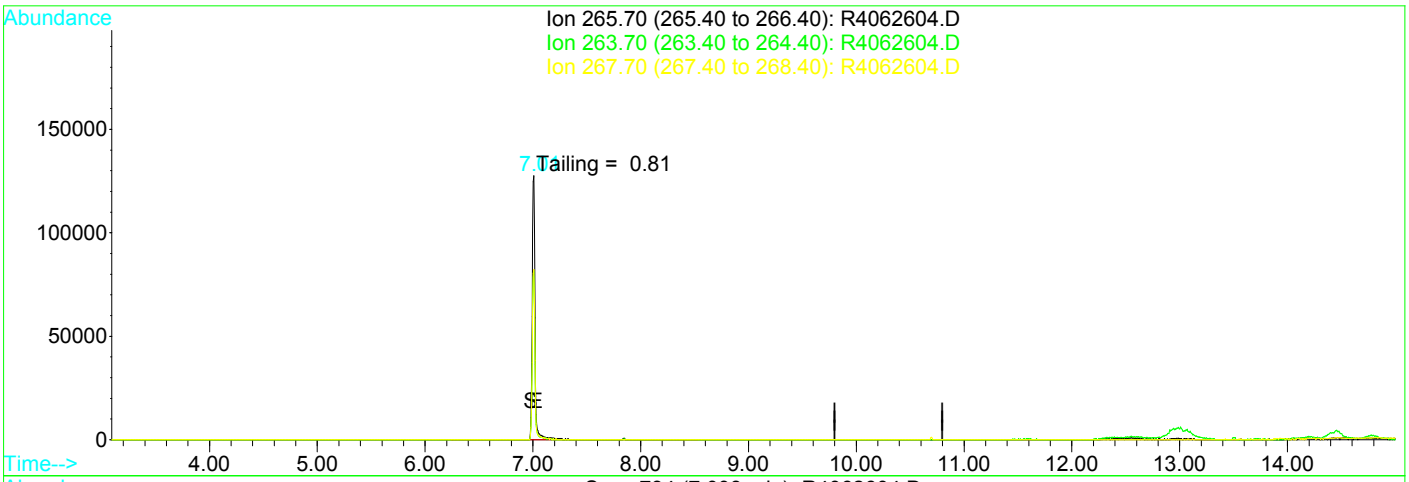
response 1302506

Ion	Exp%	Act%
184.00	100	100
92.00	11.30	0.00
185.00	14.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062604.D Vial: 1
Acq On : 26 Jun 2004 1:09 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:01 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062604.D

(5) Pentachlorophenol (CCC)

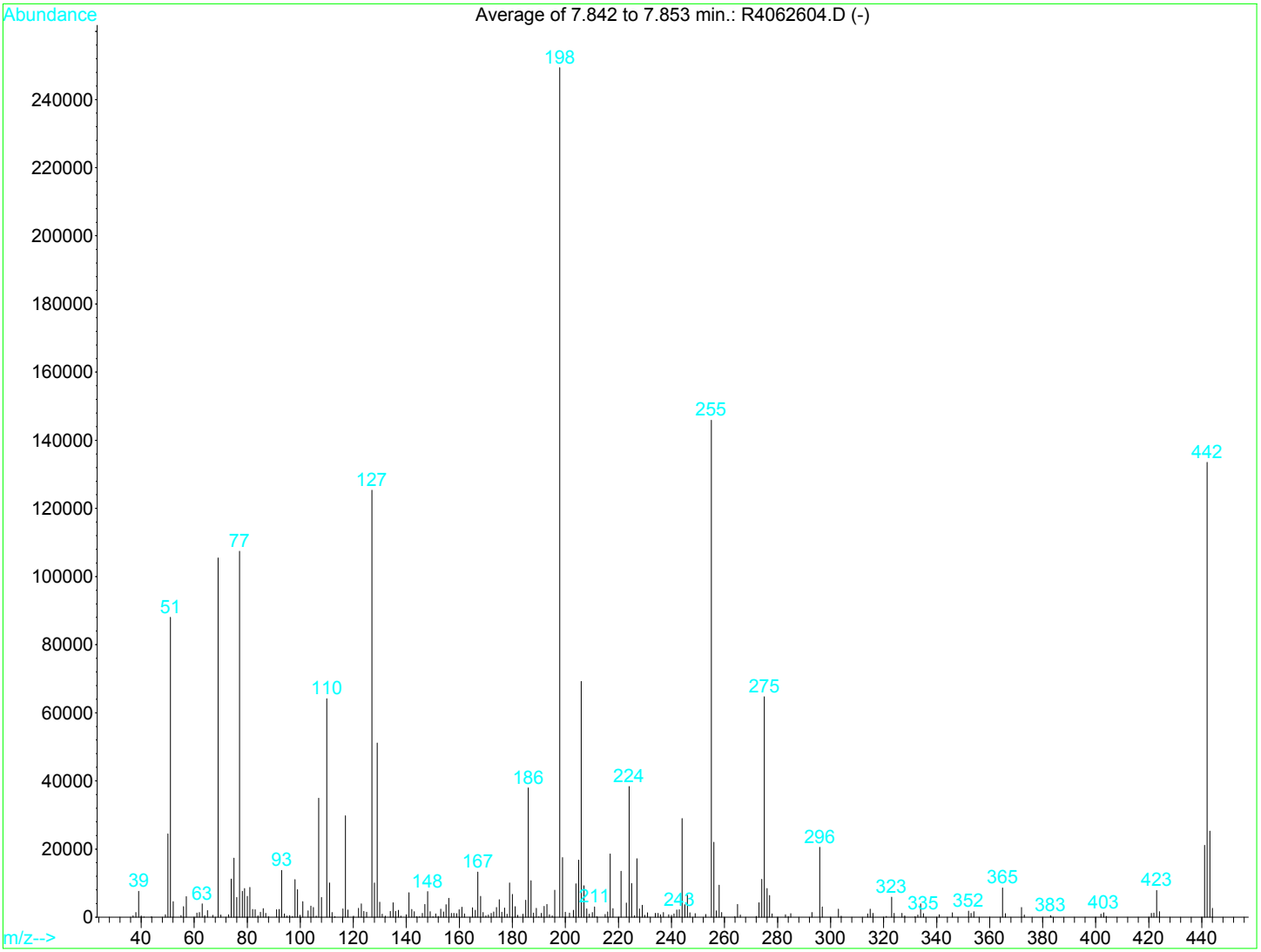
7.01min 0.00ng m

response 232100

Ion	Exp%	Act%
265.70	100	100
263.70	63.40	0.00#
267.70	63.70	0.00#
0.00	0.00	0.00

DFTPP 625 Results

C:\HPCHEM\1\DATA\R40626\R4062604.D **Sat Jun 26 13:24:46 2004**



Peak Apex is scan: 891

Average of 3 scans: 890,891,892 minus background scan 882

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	35.3	PASS
68	69	0	2	0.0	PASS
69	198	0	100	42.3	PASS
70	69	0	2	0.6	PASS
127	198	40	60	50.3	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	7.0	PASS
275	198	10	30	26.0	PASS
365	198	1	100	3.5	PASS
441	443	0	100	83.5	PASS
442	198	40	100	53.6	PASS
443	442	17	23	18.9	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\R40626\R4062604.D
Operator: YH
Date Acquired: 26 Jun 2004 1:09 pm
Method File: DFTPP
Sample Name: DFTPP
Misc Info: TUNE DFTPP_4
Vial Number: 1

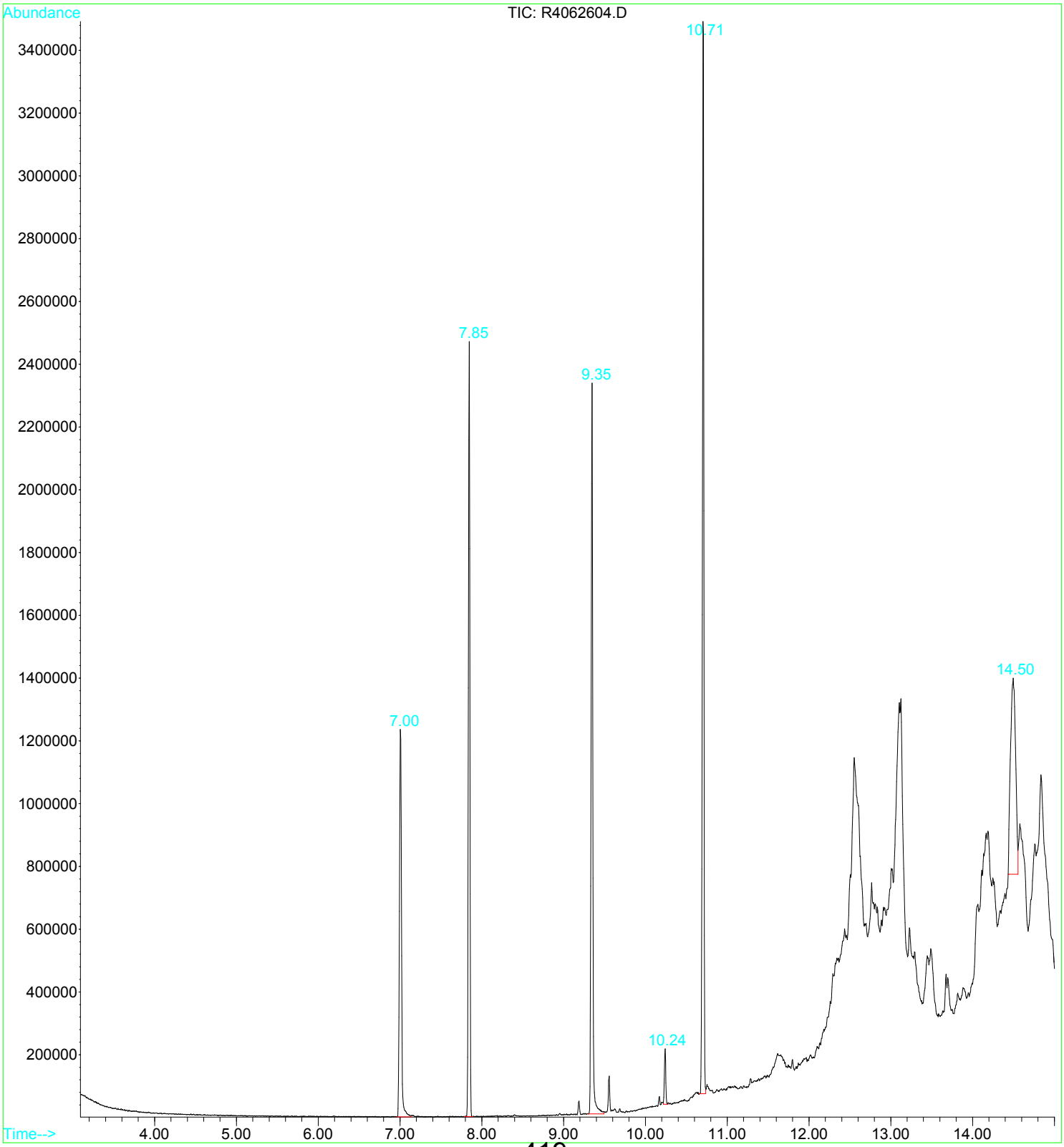
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	7.00	13.35	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	96
2	7.85	19.15	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126125	005074-71-5	99
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
3	9.35	20.16	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	97
			Benzidine	125548	000092-87-5	95
			Benzidine	78849	000092-87-5	95
4	10.24	1.34	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloropheny	127280	000072-54-8	90
			o,p'-DDT	127278	000789-02-6	90
			3-Butanone, 1,1-bis(4-chlorophenyl	90533	1000158-20-4	86
5	10.71	28.80	C:\DATABASE\NIST98.L			
			3-Butanone, 1,1-bis(4-chlorophenyl	90533	1000158-20-4	93
			1,1-Dichloro-2,2-bis(p-chloropheny	90535	000072-54-8	93
			1,1-Dichloro-2,2-bis(p-chloropheny	127283	000072-54-8	91
6	14.50	17.21	C:\DATABASE\NIST98.L			
			Cyclotetradecane	13185	000295-17-0	70
			9-Hexadecenoic acid, eicosyl ester	16778	022522-34-5	68
			9-Hexadecenoic acid, octadecyl est	18035	022393-84-6	68

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062604.D Vial: 1
Acq On : 26 Jun 2004 1:09 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



R4062604.D DFTPP.M Sat Jun 26 13:24:44 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062604.D Vial: 1
Acq On : 26 Jun 2004 1:09 pm Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.003	725	733	757	rBV	1234203	2131650	46.35%	13.346%
2	7.847	880	891	898	rBV	2470201	3058288	66.50%	19.148%
3	9.348	1163	1172	1199	rBV	2328688	3220640	70.03%	20.165%
4	10.240	1335	1339	1344	rVB	177246	213892	4.65%	1.339%
5	10.705	1418	1426	1432	rBV	3416276	4599196	100.00%	28.796%
6	14.498	2124	2136	2147	rBV7	624837	2748054	59.75%	17.206%

Sum of corrected areas: 15971720

R4062604.D DFTPP.M Sat Jun 26 13:24:43 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		Pyridine	1.558	1.958	-25.7#	131	0.00
3	T	2-Picoline	1.257	1.343	-6.8	110	0.00
4	T	Methyl methanesulfonate	0.729	0.701	3.8	100	0.00
5	S	2-Fluorophenol	1.314	1.372	-4.4	108	0.00
6	T	Ethyl methanesulfonate	1.240	1.145	7.7	96	0.00
7	T	Benzaldehyde	0.146	0.560	-283.6#	369#	0.00
8	T	Aniline	0.944	0.751	20.4#	81	0.00
9	S	Phenol-d5	1.726	1.612	6.6	96	0.00
10	CCC	Phenol	2.080	1.808	13.1	90	0.00
11	T	Bis(2-chloroethyl)ether	1.331	1.212	8.9	94	0.00
12	T	2-Chlorophenol	1.473	1.447	1.8	102	0.00
13	T	1,3-Dichlorobenzene	1.606	1.618	-0.7	105	0.00
14	CCC	1,4-Dichlorobenzene	1.617	1.673	-3.5	109	0.00
15	T	1,2-Dichlorobenzene	1.531	1.589	-3.8	109	0.00
16	T	Benzyl alcohol	0.976	0.995	-1.9	105	0.00
17	T	Bis(2-chloroisopropyl)ether	2.332	1.866	20.0	84	0.00
18	T	2-Methylphenol	1.254	1.168	6.9	97	0.00
19	T	4-Methylphenol	1.541	1.511	1.9	102	0.00
20	PC	N-Nitrosodi-n-propylamine	1.234	1.117	9.5	94	0.00
21	T	N-Nitrosodimethylamine	0.769	0.862	-12.1	116	0.00
22	T	Hexachloroethane	0.677	0.698	-3.1	108	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
24	S	Nitrobenzene-d5	0.480	0.492	-2.5	100	0.00
25	T	Acetophenone	0.566	0.567	-0.2	99	0.00
26	M	Nitrobenzene	0.470	0.468	0.4	98	0.00
27	T	N-Nitrosopiperidine	0.195	0.199	-2.1	101	0.00
28	T	Isophorone	0.820	0.812	1.0	97	0.00
29	CCC	2-Nitrophenol	0.201	0.217	-8.0	104	0.00
30	T	2,4-Dimethylphenol	0.343	0.341	0.6	98	0.00
31	T	Bis(2-chloroethoxy)methane	0.490	0.472	3.7	94	0.00
32	CCC	2,4-Dichlorophenol	0.299	0.320	-7.0	104	0.00
33	T	1,2,4-Trichlorobenzene	0.318	0.333	-4.7	102	0.00
34	T	Naphthalene	1.110	1.154	-4.0	102	0.00
35	T	Benzoic acid	0.113	0.036	68.1#	88	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.289	0.311	-7.6	106	0.00
37	T	4-Chloroaniline	0.441	0.399	9.5	90	0.00
38	CCC	Hexachlorobutadiene	0.176	0.196	-11.4	111	0.00
39	T	a,a-Dimethylphenethylamine	0.951	0.875	8.0	89	0.00
40	T	Caprolactam	0.234	0.229	2.1	91	0.00
41	CCC	4-Chloro-3-methylphenol	0.359	0.376	-4.7	102	0.00
42	T	N-Nitrosodi-n-butylamine	0.371	0.392	-5.7	97	0.00
43	T	2-Methylnaphthalene	0.771	0.786	-1.9	100	0.00
44	T	1-Methylnaphthalene	0.775	0.792	-2.2	100	0.00
45	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
46	T	1,2,4,5-Tetrachlorobenzene	0.528	0.559	-5.9	105	0.00
47	PC	Hexachlorocyclopentadiene	0.266	0.259	2.6	92	0.00
48	CCC	2,4,6-Trichlorophenol	0.361	0.378	-4.7	102	0.00
49	T	2,4,5-Trichlorophenol	0.380	0.416	-9.5	106	0.00
50	S	2-Fluorobiphenyl	1.426	1.520	-6.6	106	0.00
51	T	Biphenyl	1.810	1.898	-4.9	104	0.00
52	T	2-Chloronaphthalene	1.327	1.389	-4.7	104	0.00
53	T	1-Chloronaphthalene	1.041	1.039	0.2	100	0.00
54	T	2-Nitroaniline	0.459	0.468	-2.0	98	0.00
55	T	3-Nitroaniline	0.364	0.378	-3.8	99	0.00
56	T	Pentachlorobenzene	0.417	0.426	-2.2	101	0.00
57	T	4-Nitroaniline	0.370	0.366	1.1	94	0.00
58	T	2-Naphthylamine	1.169	1.084	7.3	87	0.00
59	T	1-Naphthylamine	1.221	0.970	20.6#	77	0.00
60	T	Dimethyl phthalate	1.426	1.469	-3.0	101	0.00
61	T	Acenaphthylene	2.032	2.088	-2.8	101	0.00
62	T	2,6-Dinitrotoluene	0.315	0.341	-8.3	103	0.00
63	CCC	Acenaphthene	1.176	1.194	-1.5	100	0.00
64	PC	2,4-Dinitrophenol	0.145	0.132	9.0	82	0.00
65	T	Dibenzofuran	1.736	1.768	-1.8	100	0.00
66	PC	4-Nitrophenol	0.333	0.361	-8.4	103	0.00
67	M	2,4-Dinitrotoluene	0.416	0.442	-6.3	102	0.00
68	T	2,3,4,6-Tetrachlorophenol	0.279	0.277	0.7	96	0.00
69	T	Diethyl phthalate	1.455	1.533	-5.4	103	0.00
70	T	Fluorene	1.423	1.485	-4.4	102	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.637	0.664	-4.2	104	0.00
72	S	2,4,6-Tribromophenol	0.112	0.112	0.0	97	0.00
73	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
74	T	4,6-Dinitro-2-methylphenol	0.148	0.159	-7.4	96	0.00
75	T	Azobenzene	1.115	1.113	0.2	96	0.00
76	T	1,2-Diphenylhydrazine	0.244	0.254	-4.1	100	0.00
77	CCC	Diphenylamine	0.152	0.163	-7.2	105	0.00
78	T	N-Nitrosodiphenylamine	0.749	0.812	-8.4	107	0.00
79	T	4-Bromophenyl phenyl ether	0.216	0.222	-2.8	99	0.00
80	T	Phenacetin	0.499	0.546	-9.4	102	0.00
81	T	Hexachlorobenzene	0.194	0.190	2.1	94	0.00
82	T	Atrazine	0.234	0.252	-7.7	101	0.00
83	T	4-Aminobiphenyl	0.743	0.680	8.5	83	0.00
84	CCC	Pentachlorophenol	0.119	0.088	26.1	68	0.00
85	T	Pentachloronitrobenzene	0.102	0.125	-22.5#	116	0.00
86	T	Pronamide	0.368	0.416	-13.0	106	0.00
87	T	Phenanthrene	1.209	1.255	-3.8	100	0.00
88	T	Anthracene	1.296	1.354	-4.5	100	0.00
89	T	Carbazole	1.279	1.336	-4.5	99	0.00
90	T	Di-n-butyl phthalate	1.597	1.728	-8.2	102	0.00
91	CCC	Fluoranthene	1.356	1.394	-2.8	97	0.00
92	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
93	T	Pyrene	1.645	1.650	-0.3	96	0.00
94	S	4-Terphenyl-d14	1.023	1.018	0.5	95	0.00
95	T	Benzidine	0.229	0.317	-38.4#	138	0.00
96	T	Dimethylaminoazobenzene	0.344	0.341	0.9	94	0.00
97	T	Butyl benzyl phthalate	0.888	0.967	-8.9	104	0.00
98	T	Benz(a)anthracene	1.529	1.595	-4.3	100	0.00
99	T	3,3'-Dichlorobenzidine	0.463	0.527	-13.8	109	0.00
100	T	Chrysene	1.420	1.456	-2.5	98	0.00
101	T	Bis(2-ethylhexyl)phthalate	1.216	1.378	-13.3	107	0.00
102	CCC	Di-n-octyl phthalate	1.997	2.360	-18.2	111	0.00
103	T	3-Methylchlolanthrene	0.719	0.786	-9.3	104	0.00
104	T	Indeno[1,2,3-cd]pyrene	1.560	1.449	7.1	88	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	102	0.00
106	T	Benzo[b]fluoranthene	1.562	1.614	-3.3	104	0.00
107	T	Benzo[k]fluoranthene	1.502	1.555	-3.5	101	0.00
108	CCC	Benzo[a]pyrene	1.453	1.511	-4.0	103	0.00
109	T	Dibenz(a,j)acridine	1.222	1.300	-6.4	105	0.00
110	T	Dibenz(a,h)anthracene	1.472	1.545	-5.0	104	0.00
111	T	Benzo[g,h,i]perylene	1.448	1.512	-4.4	103	0.00

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Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00
2		Pyridine	60.000	75.434	-25.7#	131	0.00
3	T	2-Picoline	60.000	64.105	-6.8	110	0.00
4	T	Methyl methanesulfonate	60.000	57.679	3.9	100	0.00
5	S	2-Fluorophenol	60.000	62.636	-4.4	108	0.00
6	T	Ethyl methanesulfonate	60.000	55.374	7.7	96	0.00
7	T	Benzaldehyde	60.000	179.059	-198.4#	369	0.00
8	T	Aniline	60.000	47.737	20.4#	81	0.00
9	S	Phenol-d5	60.000	56.029	6.6	96	0.00
10	CCC	Phenol	60.000	50.964	15.1	88	0.00
11	T	Bis(2-chloroethyl)ether	60.000	55.190	8.0	95	0.00
12	T	2-Chlorophenol	60.000	58.929	1.8	102	0.00
13	T	1,3-Dichlorobenzene	60.000	60.472	-0.8	105	0.00
14	CCC	1,4-Dichlorobenzene	60.000	62.068	-3.4	109	0.00
15	T	1,2-Dichlorobenzene	60.000	62.278	-3.8	109	0.00
16	T	Benzyl alcohol	60.000	61.140	-1.9	105	0.00
17	T	Bis(2-chloroisopropyl)ether	60.000	48.000	20.0	84	0.00
18	T	2-Methylphenol	60.000	55.912	6.8	97	0.00
19	T	4-Methylphenol	120.000	117.628	2.0	102	0.00
20	PC	N-Nitrosodi-n-propylamine	60.000	54.333	9.4	94	0.00
21	T	N-Nitrosodimethylamine	60.000	67.269	-12.1	116	0.00
22	T	Hexachloroethane	60.000	61.850	-3.1	108	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	100	0.00
24	S	Nitrobenzene-d5	60.000	61.454	-2.4	100	0.00
25	T	Acetophenone	60.000	60.197	-0.3	99	0.00
26	M	Nitrobenzene	60.000	59.797	0.3	98	0.00
27	T	N-Nitrosopiperidine	60.000	61.248	-2.1	101	0.00
28	T	Isophorone	60.000	59.466	0.9	97	0.00
29	CCC	2-Nitrophenol	60.000	64.965	-8.3	104	0.00
30	T	2,4-Dimethylphenol	60.000	59.656	0.6	98	0.00
31	T	Bis(2-chloroethoxy)methane	60.000	57.729	3.8	94	0.00
32	CCC	2,4-Dichlorophenol	60.000	64.309	-7.2	104	0.00
33	T	1,2,4-Trichlorobenzene	60.000	62.696	-4.5	102	0.00
34	T	Naphthalene	60.000	62.356	-3.9	102	0.00
35	T	Benzoic acid	60.000	57.777	3.7	88	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	60.000	64.528	-7.5	106	0.00
37	T	4-Chloroaniline	60.000	54.277	9.5	90	0.00
38	CCC	Hexachlorobutadiene	60.000	66.748	-11.2	111	0.00
39	T	a,a-Dimethylphenethylamine	60.000	55.201	8.0	89	0.00
40	T	Caprolactam	60.000	58.661	2.2	91	0.00
41	CCC	4-Chloro-3-methylphenol	60.000	62.890	-4.8	102	0.00
42	T	N-Nitrosodi-n-butylamine	60.000	63.314	-5.5	97	0.00
43	T	2-Methylnaphthalene	60.000	61.116	-1.9	100	0.00
44	T	1-Methylnaphthalene	60.000	61.302	-2.2	100	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	99	0.00
46	T	1,2,4,5-Tetrachlorobenzene	60.000	63.531	-5.9	105	0.00
47	PC	Hexachlorocyclopentadiene	60.000	58.554	2.4	92	0.00
48	CCC	2,4,6-Trichlorophenol	60.000	62.937	-4.9	102	0.00
49	T	2,4,5-Trichlorophenol	60.000	65.752	-9.6	106	0.00
50	S	2-Fluorobiphenyl	60.000	63.960	-6.6	106	0.00
51	T	Biphenyl	60.000	62.916	-4.9	104	0.00
52	T	2-Chloronaphthalene	60.000	62.807	-4.7	104	0.00
53	T	1-Chloronaphthalene	60.000	59.869	0.2	100	0.00
54	T	2-Nitroaniline	60.000	61.094	-1.8	98	0.00
55	T	3-Nitroaniline	60.000	62.194	-3.7	99	0.00
56	T	Pentachlorobenzene	60.000	61.323	-2.2	101	0.00
57	T	4-Nitroaniline	60.000	59.311	1.1	94	0.00
58	T	2-Naphthylamine	60.000	55.614	7.3	87	0.00
59	T	1-Naphthylamine	60.000	47.650	20.6#	77	0.00
60	T	Dimethyl phthalate	60.000	61.811	-3.0	101	0.00
61	T	Acenaphthylene	60.000	61.662	-2.8	101	0.00
62	T	2,6-Dinitrotoluene	60.000	64.960	-8.3	103	0.00
63	CCC	Acenaphthene	60.000	60.885	-1.5	100	0.00
64	PC	2,4-Dinitrophenol	60.000	50.004	16.7	82	0.00
65	T	Dibenzofuran	60.000	61.115	-1.9	100	0.00
66	PC	4-Nitrophenol	60.000	66.835	-11.4	106	0.00
67	M	2,4-Dinitrotoluene	60.000	63.766	-6.3	102	0.00
68	T	2,3,4,6-Tetrachlorophenol	60.000	59.522	0.8	96	0.00
69	T	Diethyl phthalate	60.000	63.243	-5.4	103	0.00
70	T	Fluorene	60.000	62.606	-4.3	102	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	60.000	62.560	-4.3	104	0.00
72	S	2,4,6-Tribromophenol	60.000	60.119	-0.2	97	0.00
73	I	Phenanthrene-d10	40.000	40.000	0.0	98	0.00
74	T	4,6-Dinitro-2-methylphenol	60.000	59.798	0.3	96	0.00
75	T	Azobenzene	60.000	59.871	0.2	96	0.00
76	T	1,2-Diphenylhydrazine	60.000	62.315	-3.9	100	0.00
77	CCC	Diphenylamine	60.000	64.527	-7.5	105	0.00
78	T	N-Nitrosodiphenylamine	60.000	65.128	-8.5	107	0.00
79	T	4-Bromophenyl phenyl ether	60.000	61.649	-2.7	99	0.00
80	T	Phenacetin	60.000	65.754	-9.6	102	0.00
81	T	Hexachlorobenzene	60.000	58.751	2.1	94	0.00
82	T	Atrazine	60.000	64.456	-7.4	101	0.00
83	T	4-Aminobiphenyl	60.000	54.950	8.4	83	0.00
84	CCC	Pentachlorophenol	60.000	49.111	18.1	68	0.00
85	T	Pentachloronitrobenzene	60.000	73.455	-22.4#	116	0.00
86	T	Pronamide	60.000	67.771	-13.0	106	0.00
87	T	Phenanthrene	60.000	62.303	-3.8	100	0.00
88	T	Anthracene	60.000	62.668	-4.4	100	0.00
89	T	Carbazole	60.000	62.703	-4.5	99	0.00
90	T	Di-n-butyl phthalate	60.000	64.943	-8.2	102	0.00
91	CCC	Fluoranthene	60.000	61.697	-2.8	97	0.00
92	I	Chrysene-d12	40.000	40.000	0.0	98	0.00
93	T	Pyrene	60.000	60.159	-0.3	96	0.00
94	S	4-Terphenyl-d14	60.000	59.708	0.5	95	0.00
95	T	Benzidine	60.000	83.210	-38.7#	138	0.00
96	T	Dimethylaminoazobenzene	60.000	59.427	1.0	94	0.00
97	T	Butyl benzyl phthalate	60.000	65.329	-8.9	104	0.00
98	T	Benz(a)anthracene	60.000	62.621	-4.4	100	0.00
99	T	3,3'-Dichlorobenzidine	60.000	68.186	-13.6	109	0.00
100	T	Chrysene	60.000	61.497	-2.5	98	0.00
101	T	Bis(2-ethylhexyl)phthalate	60.000	67.995	-13.3	107	0.00
102	CCC	Di-n-octyl phthalate	60.000	70.916	-18.2	111	0.00
103	T	3-Methylchlolanthrene	60.000	65.577	-9.3	104	0.00
104	T	Indeno[1,2,3-cd]pyrene	60.000	55.759	7.1	88	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	102	0.00
106	T	Benzo[b]fluoranthene	60.000	61.987	-3.3	104	0.00
107	T	Benzo[k]fluoranthene	60.000	62.215	-3.7	101	0.00
108	CCC	Benzo[a]pyrene	60.000	62.397	-4.0	103	0.00
109	T	Dibenz(a,j)acridine	60.000	63.852	-6.4	105	0.00
110	T	Dibenz(a,h)anthracene	60.000	62.948	-4.9	104	0.00
111	T	Benzo[g,h,i]perylene	60.000	62.673	-4.5	103	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:26:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	124104	40.00	ng		0.00
23) Naphthalene-d8	6.28	136	445899	40.00	ng		0.00
45) Acenaphthene-d10	9.00	164	253289	40.00	ng		0.00
73) Phenanthrene-d10	11.85	188	412394	40.00	ng		0.00
92) Chrysene-d12	17.49	240	361184	40.00	ng		0.00
105) Perylene-d12	21.96	264	336915	40.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.62	112	255444	62.64	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 62.64%				
9) Phenol-d5	4.62	99	300002	56.03	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 56.03%				
24) Nitrobenzene-d5	5.46	82	328788	61.45	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 122.90%#				
50) 2-Fluorobiphenyl	7.85	172	577651	63.96	ng		0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 127.92%#				
72) 2,4,6-Tribromophenol	10.52	330	42691	60.12	ng		0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 60.12%				
94) 4-Terphenyl-d14	15.25	244	551722	59.71	ng		0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 119.42%				
Target Compounds							Qvalue
2) Pyridine	1.65	79	364537	75.43	ng		100
3) 2-Picoline	2.80	93	250075	64.11	ng		100
4) Methyl methanesulfonate	3.38	80	130440	57.68	ng		100
6) Ethyl methanesulfonate	4.14	79	213074	55.37	ng		100
7) Benzaldehyde	4.39	105	104196	179.06	ng		100
8) Aniline	4.55	66	139823	47.74	ng		100
10) Phenol	4.63	94	328887	50.96	ng	#	67
11) Bis(2-chloroethyl)ether	4.60	63	227894m	55.19	ng		
12) 2-Chlorophenol	4.69	128	269305	58.93	ng		100
13) 1,3-Dichlorobenzene	4.79	146	301272	60.47	ng		100
14) 1,4-Dichlorobenzene	4.85	146	311463	62.07	ng		100
15) 1,2-Dichlorobenzene	5.04	146	295785	62.28	ng		100
16) Benzyl alcohol	5.03	108	185195	61.14	ng		100
17) Bis(2-chloroisopropyl)ethe	5.16	45	347322	48.00	ng		100
18) 2-Methylphenol	5.22	107	217467	55.91	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:26:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.38	107	562571	117.63	ng	#	72
20)	N-Nitrosodi-n-propylamine	5.32	70	207937	54.33	ng		100
21)	N-Nitrosodimethylamine	1.63	42	160480	67.27	ng		100
22)	Hexachloroethane	5.37	117	129916	61.85	ng		100
25)	Acetophenone	5.29	105	379486	60.20	ng		100
26)	Nitrobenzene	5.48	77	313170	59.80	ng		100
27)	N-Nitrosopiperidine	5.65	114	132961	61.25	ng		100
28)	Isophorone	5.74	82	543346	59.47	ng		100
29)	2-Nitrophenol	5.85	139	145353	64.96	ng		100
30)	2,4-Dimethylphenol	5.93	122	228342	59.66	ng		100
31)	Bis(2-chloroethoxy)methane	6.00	93	315521	57.73	ng		100
32)	2,4-Dichlorophenol	6.17	162	214030	64.31	ng		100
33)	1,2,4-Trichlorobenzene	6.23	180	222572	62.70	ng		100
34)	Naphthalene	6.31	128	771797	62.36	ng		100
35)	Benzoic acid	6.10	122	24286	57.78	ng		100
36)	2,6-Dichlorophenol	6.44	162	207703	64.53	ng		100
37)	4-Chloroaniline	6.42	127	266575	54.28	ng		100
38)	Hexachlorobutadiene	6.54	225	130766	66.75	ng		100
39)	a,a-Dimethylphenethylamine	6.68	58	584993m	55.20	ng		
40)	Caprolactam	6.88	55	153009	58.66	ng		100
41)	4-Chloro-3-methylphenol	7.14	107	251365	62.89	ng		100
42)	N-Nitrosodi-n-butylamine	6.87	84	262058	63.31	ng		100
43)	2-Methylnaphthalene	7.26	142	525534	61.12	ng		100
44)	1-Methylnaphthalene	7.42	142	529562	61.30	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.57	216	212368	63.53	ng		100
47)	Hexachlorocyclopentadiene	7.60	237	98447	58.55	ng		100
48)	2,4,6-Trichlorophenol	7.76	196	143763	62.94	ng		100
49)	2,4,5-Trichlorophenol	7.86	196	158182	65.75	ng		100
51)	Biphenyl	8.00	154	720996	62.92	ng		100
52)	2-Chloronaphthalene	8.02	162	527883	62.81	ng		100
53)	1-Chloronaphthalene	8.07	162	394598	59.87	ng		100
54)	2-Nitroaniline	8.26	65	177723	61.09	ng		100
55)	3-Nitroaniline	9.00	138	143529	62.19	ng		100
56)	Pentachlorobenzene	9.39	250	161989	61.32	ng		100
57)	4-Nitroaniline	10.17	138	139103	59.31	ng		100
58)	2-Naphthylamine	9.52	143	411741	55.61	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:26:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.66	143	368354	47.65	ng		100
60)	Dimethyl phthalate	8.61	163	557982	61.81	ng		100
61)	Acenaphthylene	8.73	152	793304	61.66	ng		100
62)	2,6-Dinitrotoluene	8.73	165	129377	64.96	ng		100
63)	Acenaphthene	9.06	154	453489	60.89	ng		100
64)	2,4-Dinitrophenol	9.18	184	50330	50.00	ng		100
65)	Dibenzofuran	9.35	168	671749	61.11	ng		100
66)	4-Nitrophenol	9.46	65	141109	66.83	ng	#	9
67)	2,4-Dinitrotoluene	9.45	165	167847	63.77	ng		100
68)	2,3,4,6-Tetrachlorophenol	9.70	232	105055	59.52	ng		100
69)	Diethyl phthalate	9.93	149	582608	63.24	ng		100
70)	Fluorene	10.00	166	564116	62.61	ng		100
71)	4-Chlorophenyl phenyl ethe	10.01	204	252229	62.56	ng		100
74)	4,6-Dinitro-2-methylphenol	10.23	198	98259	59.80	ng		100
75)	Azobenzene	10.32	77	688294	59.87	ng		100
76)	1,2-Diphenylhydrazine	10.32	182	157001	62.31	ng		100
77)	Diphenylamine	10.27	170	100968	64.53	ng		100
78)	N-Nitrosodiphenylamine	10.27	168	502589	65.13	ng		100
79)	4-Bromophenyl phenyl ether	10.96	248	137550	61.65	ng		100
80)	Phenacetin	11.00	108	338036	65.75	ng		100
81)	Hexachlorobenzene	11.24	284	117235	58.75	ng		100
82)	Atrazine	11.44	200	155772	64.46	ng		100
83)	4-Aminobiphenyl	11.51	169	420800	54.95	ng		100
84)	Pentachlorophenol	11.65	266	54674m	49.11	ng		
85)	Pentachloronitrobenzene	11.77	237	77127	73.46	ng		100
86)	Pronamide	11.75	173	257212	67.77	ng		100
87)	Phenanthrene	11.89	178	776357	62.30	ng		100
88)	Anthracene	11.98	178	837623	62.67	ng		100
89)	Carbazole	12.37	167	826534	62.70	ng		100
90)	Di-n-butyl phthalate	13.25	149	1069202	64.94	ng		100
91)	Fluoranthene	14.38	202	862352	61.70	ng		100
93)	Pyrene	14.84	202	893716	60.16	ng		100
95)	Benzidine	14.72	184	171856	83.21	ng		100
96)	Dimethylaminoazobenzene	15.60	225	184493	59.43	ng		100
97)	Butyl benzyl phthalate	16.40	149	524076	65.33	ng		100
98)	Benz(a)anthracene	17.45	228	864340	62.62	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:26:21 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

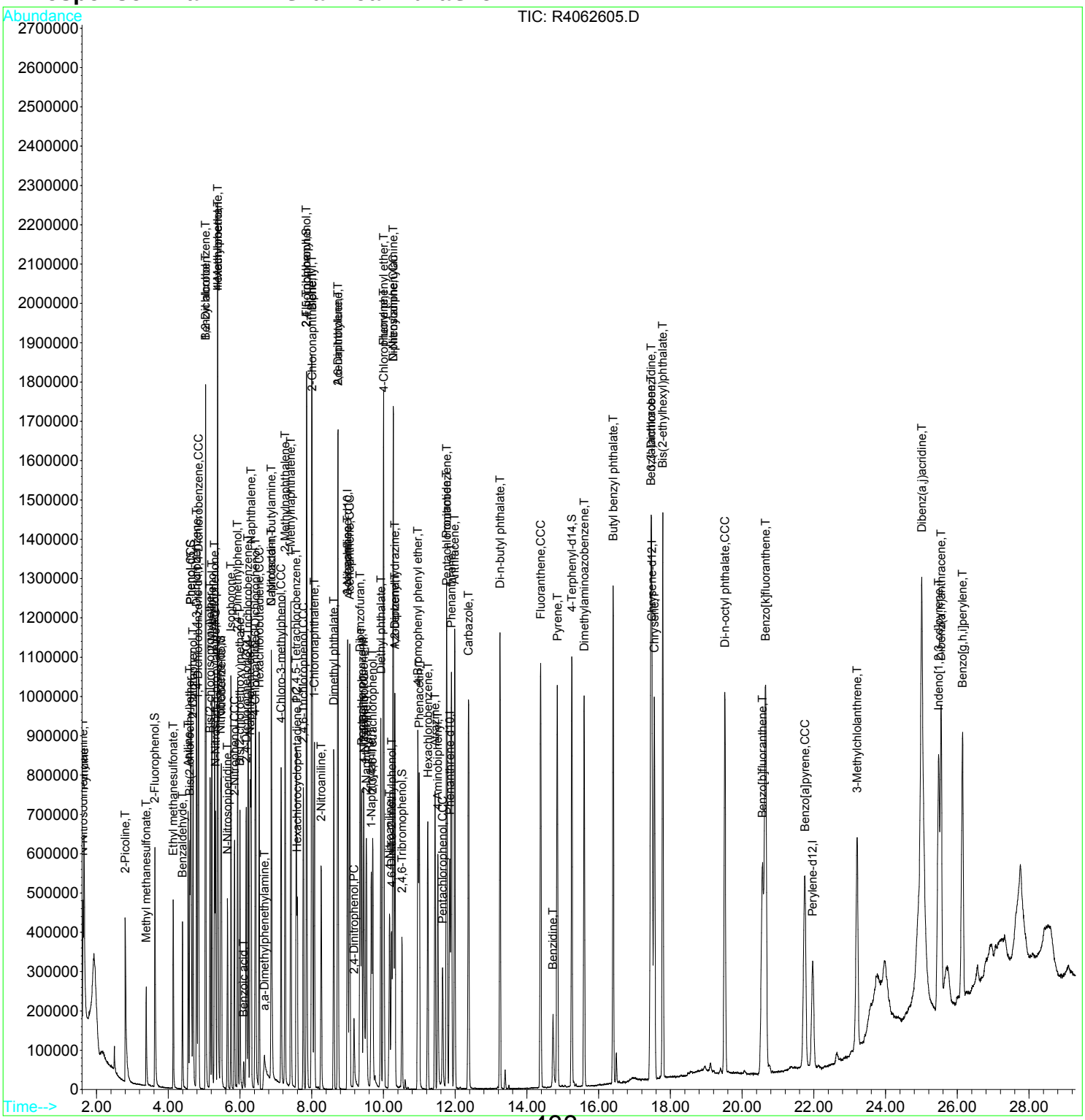
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.47	252	285356	68.19	ng		100
100)	Chrysene	17.55	228	788713	61.50	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.79	149	746402	67.99	ng		100
102)	Di-n-octyl phthalate	19.52	149	1278699	70.92	ng		100
103)	3-Methylchlolanthrene	23.20	268	425707	65.58	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.48	276	785230	55.76	ng	#	100
106)	Benzo[b]fluoranthene	20.57	252	815628	61.99	ng		100
107)	Benzo[k]fluoranthene	20.66	252	787007m	62.21	ng		
108)	Benzo[a]pyrene	21.75	252	763562	62.40	ng		100
109)	Dibenz(a,j)acridine	25.00	279	657176	63.85	ng		100
110)	Dibenz(a,h)anthracene	25.55	278	780565	62.95	ng		100
111)	Benzo[g,h,i]perylene	26.15	276	764145	62.67	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: B052404.RES

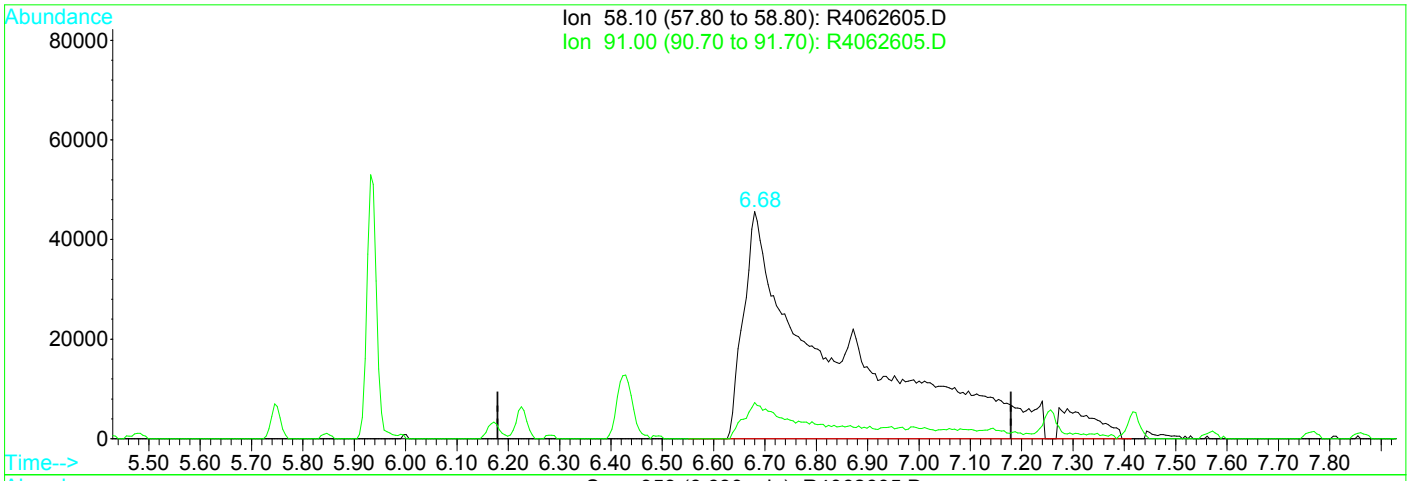
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:28 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration



TIC: R4062605.D

(39) a,a-Dimethylphenethylamine (T)

6.68min 55.20ng m

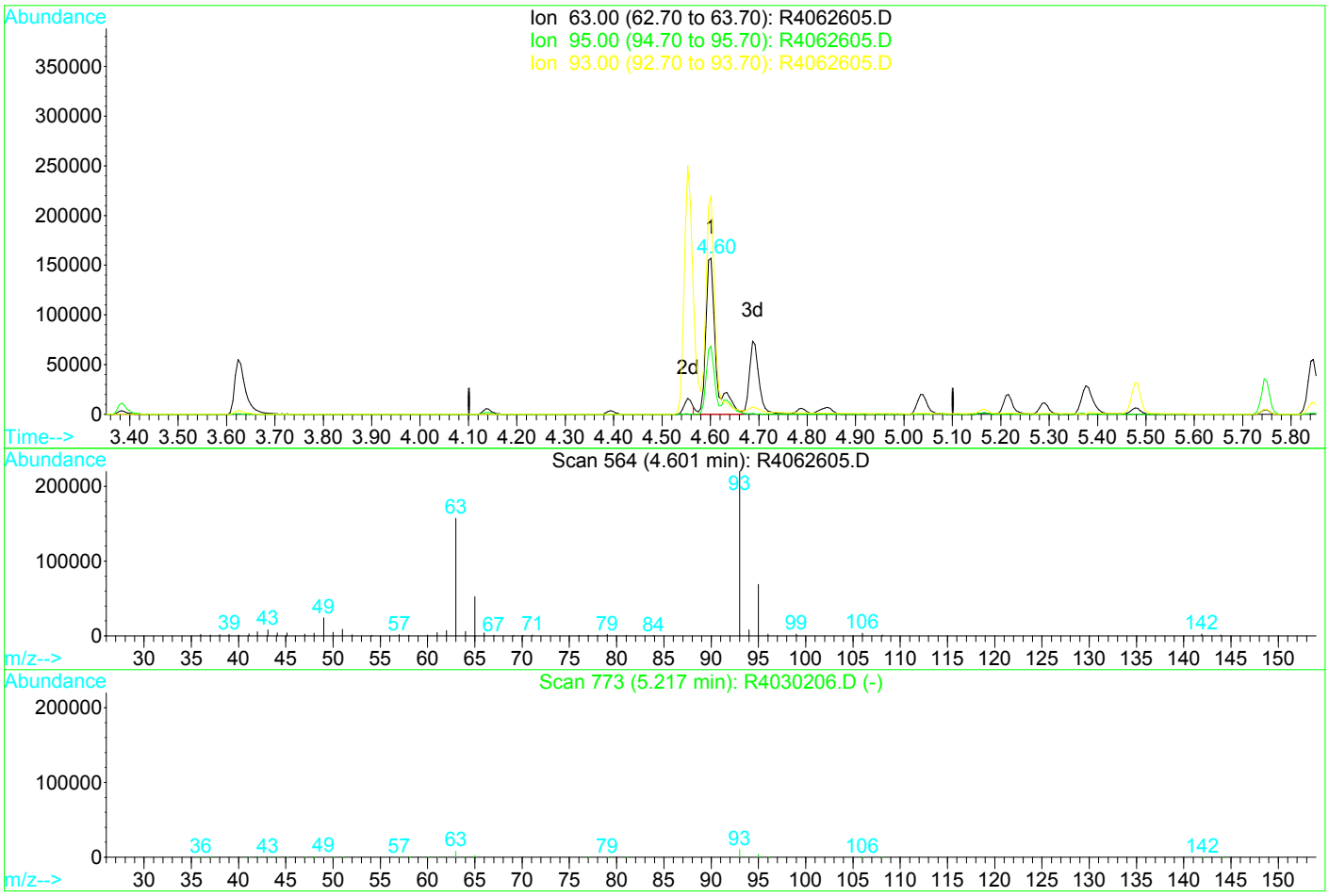
response 584993

Ion	Exp%	Act%
58.10	100	100
91.00	6.00	6.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:28 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration



TIC: R4062605.D

(11) Bis(2-chloroethyl)ether (T)

4.60min 55.19ng m

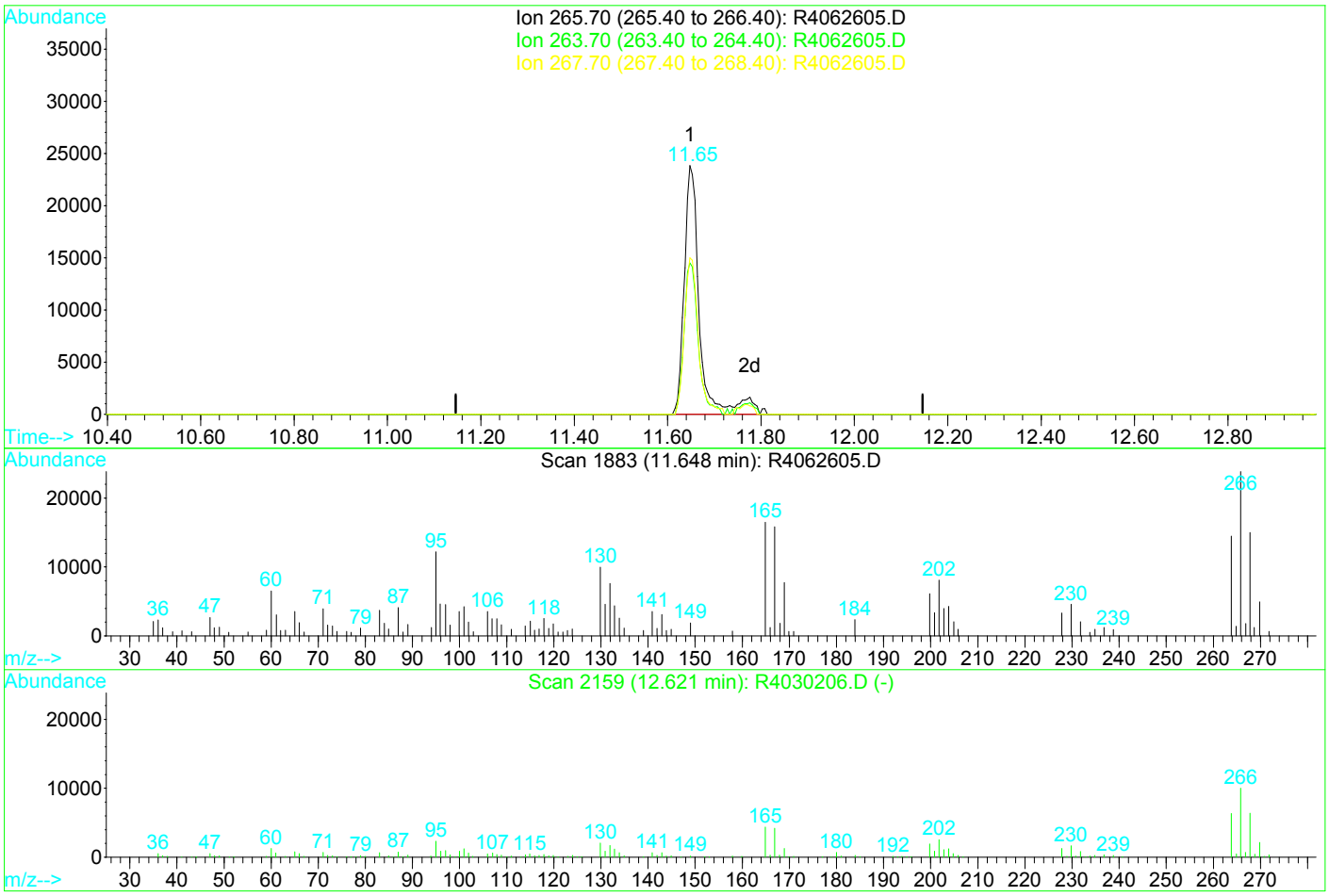
response 227894

Ion	Exp%	Act%
63.00	100	100
95.00	37.40	36.99
93.00	125.30	124.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:28 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration



TIC: R4062605.D

(84) Pentachlorophenol (CCC)

11.65min 49.11ng m

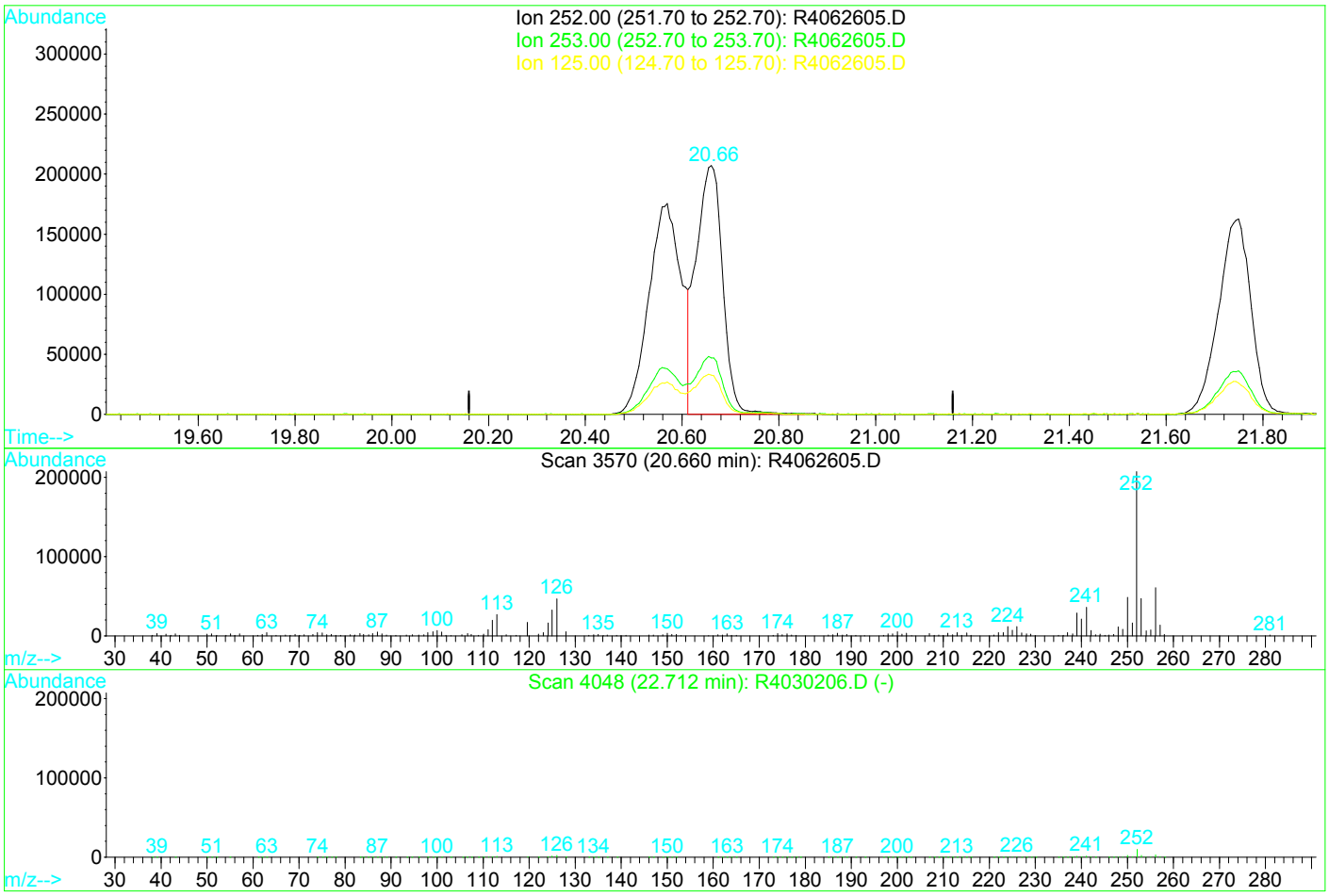
response 54674

Ion	Exp%	Act%
265.70	100	100
263.70	56.10	56.10
267.70	57.10	57.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40626\R4062605.D Vial: 2
Acq On : 26 Jun 2004 1:32 pm Operator: YH
Sample : BNA60 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:30 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration



TIC: R4062605.D

(107) Benzo[k]fluoranthene (T)

20.66min 62.21ng m

response 787007

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.35
125.00	15.70	15.66
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062606.D Vial: 3
Acq On : 26 Jun 2004 2:10 pm Operator: YH
Sample : MBSEQ 2271 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:03 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.82	152	115550	40.00	ng	0.00
23) Naphthalene-d8	6.28	136	427411	40.00	ng	0.00
45) Acenaphthene-d10	8.99	164	229606	40.00	ng	0.00
73) Phenanthrene-d10	11.84	188	363517	40.00	ng	0.00
92) Chrysene-d12	17.48	240	300438	40.00	ng	-0.01
105) Perylene-d12	21.94	264	273601	40.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.62	112	320528	84.41	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 84.41%			
9) Phenol-d5	4.61	99	409827	82.21	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 82.21%			
24) Nitrobenzene-d5	5.45	82	210602	41.07	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 82.14%			
50) 2-Fluorobiphenyl	7.85	172	337863	41.27	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 82.54%			
72) 2,4,6-Tribromophenol	10.51	330	58624	91.07	ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 91.07%			
94) 4-Terphenyl-d14	15.24	244	351695	45.76	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 91.52%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.	d	
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062606.D Vial: 3
Acq On : 26 Jun 2004 2:10 pm Operator: YH
Sample : MBSEQ 2271 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:03 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D.	d
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062606.D Vial: 3
Acq On : 26 Jun 2004 2:10 pm Operator: YH
Sample : MBSEQ 2271 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:03 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.	
60)	Dimethyl phthalate	0.00	163	0	N.D. d	
61)	Acenaphthylene	0.00	152	0	N.D.	
62)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63)	Acenaphthene	0.00	154	0	N.D.	
64)	2,4-Dinitrophenol	0.00	184	0	N.D.	
65)	Dibenzofuran	0.00	168	0	N.D.	
66)	4-Nitrophenol	0.00	65	0	N.D.	
67)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69)	Diethyl phthalate	0.00	149	0	N.D.	
70)	Fluorene	0.00	166	0	N.D.	
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75)	Azobenzene	0.00	77	0	N.D.	
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77)	Diphenylamine	0.00	170	0	N.D. d	
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D. d	
80)	Phenacetin	0.00	108	0	N.D.	
81)	Hexachlorobenzene	0.00	284	0	N.D.	
82)	Atrazine	0.00	200	0	N.D.	
83)	4-Aminobiphenyl	0.00	169	0	N.D.	
84)	Pentachlorophenol	0.00	266	0	N.D.	
85)	Pentachloronitrobenzene	0.00	237	0	N.D.	
86)	Pronamide	0.00	173	0	N.D.	
87)	Phenanthrene	0.00	178	0	N.D.	
88)	Anthracene	0.00	178	0	N.D.	
89)	Carbazole	0.00	167	0	N.D.	
90)	Di-n-butyl phthalate	0.00	149	0	N.D.	
91)	Fluoranthene	0.00	202	0	N.D.	
93)	Pyrene	0.00	202	0	N.D.	
95)	Benzidine	0.00	184	0	N.D.	
96)	Dimethylaminoazobenzene	0.00	225	0	N.D. d	
97)	Butyl benzyl phthalate	0.00	149	0	N.D.	
98)	Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062606.D Vial: 3
Acq On : 26 Jun 2004 2:10 pm Operator: YH
Sample : MBSEQ 2271 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:03 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

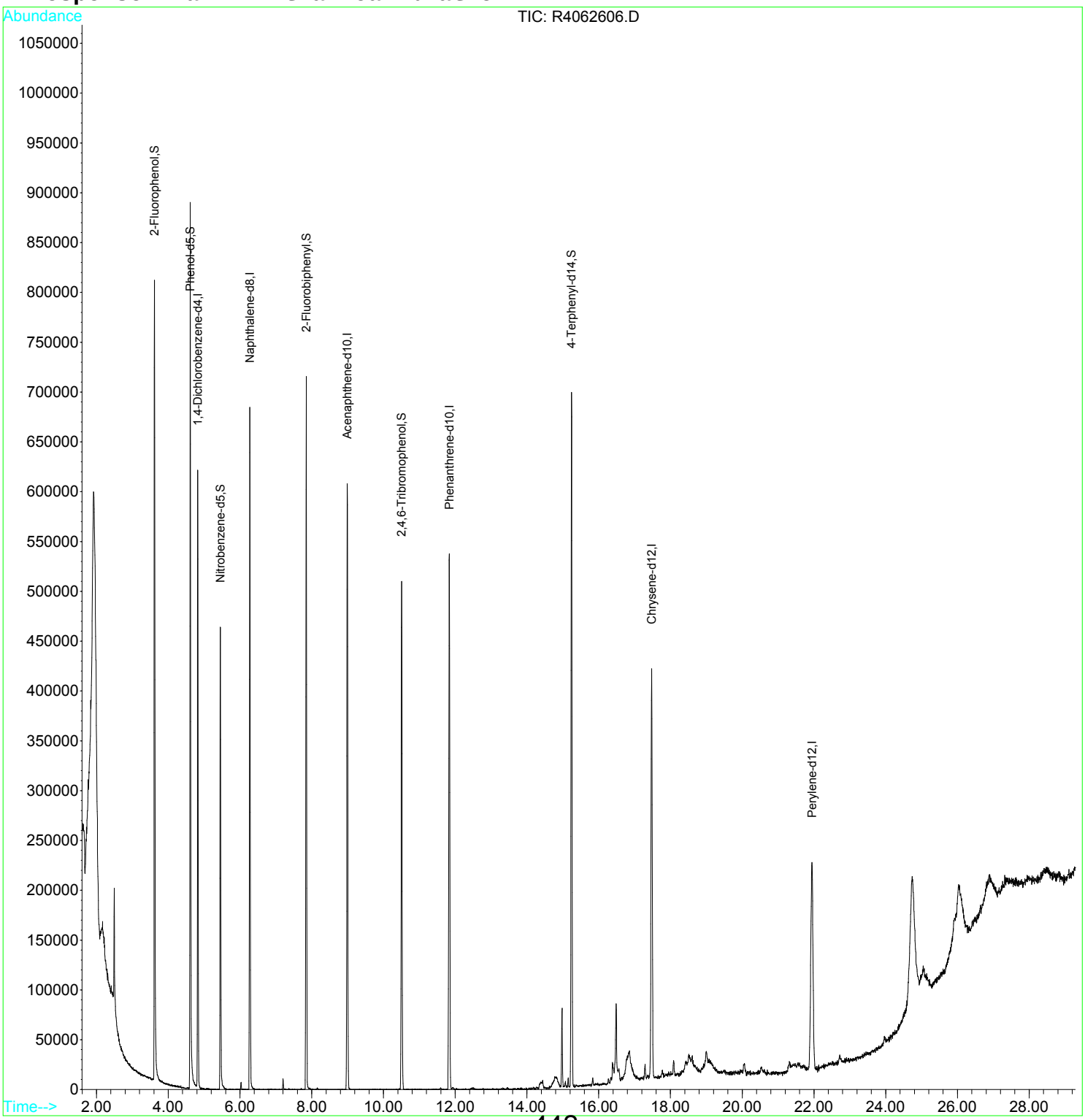
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	d	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062606.D Vial: 3
Acq On : 26 Jun 2004 2:10 pm Operator: YH
Sample : MBSEQ 2271 Inst : GC/MS 10
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:03 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062607.D Vial: 4
Acq On : 26 Jun 2004 2:47 pm Operator: YH
Sample : 0406B33-001B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:06 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.84	152	115597	40.00	ng	-0.03
23) Naphthalene-d8	6.28	136	430896	40.00	ng	-0.04
45) Acenaphthene-d10	9.01	164	240495	40.00	ng	-0.05
73) Phenanthrene-d10	11.85	188	399497	40.00	ng	-0.05
92) Chrysene-d12	17.49	240	350176	40.00	ng	-0.07
105) Perylene-d12	21.98	264	312716	40.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	3.64	112	5085	1.34	ng	0.03
Spiked Amount 100.000	Range 21 - 110		Recovery = 1.34%#			
9) Phenol-d5	4.61	99	2424	0.49	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 0.49%#			
24) Nitrobenzene-d5	5.47	82	3774	0.73	ng	-0.03
Spiked Amount 50.000	Range 34 - 114		Recovery = 1.46%#			
50) 2-Fluorobiphenyl	7.86	172	3566	0.42	ng	-0.04
Spiked Amount 50.000	Range 43 - 116		Recovery = 0.84%#			
72) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
Spiked Amount 100.000	Range 10 - 123		Recovery = 0.00%#			
94) 4-Terphenyl-d14	15.25	244	3369	0.38	ng	-0.06
Spiked Amount 50.000	Range 33 - 141		Recovery = 0.76%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	4.40	105	13569	34.05	ng	97
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.65	94	7324	1.22	ng	84
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D. d		
18) 2-Methylphenol	0.00	107	0	N.D. d		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062607.D Vial: 4
Acq On : 26 Jun 2004 2:47 pm Operator: YH
Sample : 0406B33-001B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:06 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	d		
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.			
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.			
22)	Hexachloroethane	0.00	117	0	N.D.			
25)	Acetophenone	0.00	105	0	N.D.			
26)	Nitrobenzene	0.00	77	0	N.D.			
27)	N-Nitrosopiperidine	0.00	114	0	N.D.			
28)	Isophorone	0.00	82	0	N.D.	d		
29)	2-Nitrophenol	0.00	139	0	N.D.			
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	d		
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	d		
32)	2,4-Dichlorophenol	0.00	162	0	N.D.			
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.			
34)	Naphthalene	0.00	128	0	N.D.			
35)	Benzoic acid	6.17	122	97402	86.04	ng	#	79
36)	2,6-Dichlorophenol	0.00	162	0	N.D.			
37)	4-Chloroaniline	0.00	127	0	N.D.			
38)	Hexachlorobutadiene	0.00	225	0	N.D.			
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	d		
40)	Caprolactam	0.00	55	0	N.D.			
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.			
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.			
43)	2-Methylnaphthalene	0.00	142	0	N.D.			
44)	1-Methylnaphthalene	0.00	142	0	N.D.			
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.			
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.			
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.			
51)	Biphenyl	0.00	154	0	N.D.			
52)	2-Chloronaphthalene	0.00	162	0	N.D.			
53)	1-Chloronaphthalene	0.00	162	0	N.D.			
54)	2-Nitroaniline	0.00	65	0	N.D.			
55)	3-Nitroaniline	0.00	138	0	N.D.			
56)	Pentachlorobenzene	0.00	250	0	N.D.			
57)	4-Nitroaniline	0.00	138	0	N.D.	d		
58)	2-Naphthylamine	0.00	143	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062607.D Vial: 4
Acq On : 26 Jun 2004 2:47 pm Operator: YH
Sample : 0406B33-001B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:06 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.	
60)	Dimethyl phthalate	0.00	163	0	N.D. d	
61)	Acenaphthylene	0.00	152	0	N.D.	
62)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63)	Acenaphthene	0.00	154	0	N.D.	
64)	2,4-Dinitrophenol	0.00	184	0	N.D.	
65)	Dibenzofuran	0.00	168	0	N.D. d	
66)	4-Nitrophenol	0.00	65	0	N.D. d	
67)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69)	Diethyl phthalate	0.00	149	0	N.D.	
70)	Fluorene	0.00	166	0	N.D.	
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75)	Azobenzene	0.00	77	0	N.D. d	
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D. d	
77)	Diphenylamine	0.00	170	0	N.D.	
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80)	Phenacetin	0.00	108	0	N.D.	
81)	Hexachlorobenzene	0.00	284	0	N.D.	
82)	Atrazine	0.00	200	0	N.D.	
83)	4-Aminobiphenyl	0.00	169	0	N.D.	
84)	Pentachlorophenol	0.00	266	0	N.D.	
85)	Pentachloronitrobenzene	0.00	237	0	N.D.	
86)	Pronamide	0.00	173	0	N.D.	
87)	Phenanthrene	0.00	178	0	N.D.	
88)	Anthracene	0.00	178	0	N.D.	
89)	Carbazole	0.00	167	0	N.D.	
90)	Di-n-butyl phthalate	0.00	149	0	N.D.	
91)	Fluoranthene	0.00	202	0	N.D.	
93)	Pyrene	0.00	202	0	N.D.	
95)	Benzidine	0.00	184	0	N.D. d	
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.	
97)	Butyl benzyl phthalate	0.00	149	0	N.D.	
98)	Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062607.D Vial: 4
Acq On : 26 Jun 2004 2:47 pm Operator: YH
Sample : 0406B33-001B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:06 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

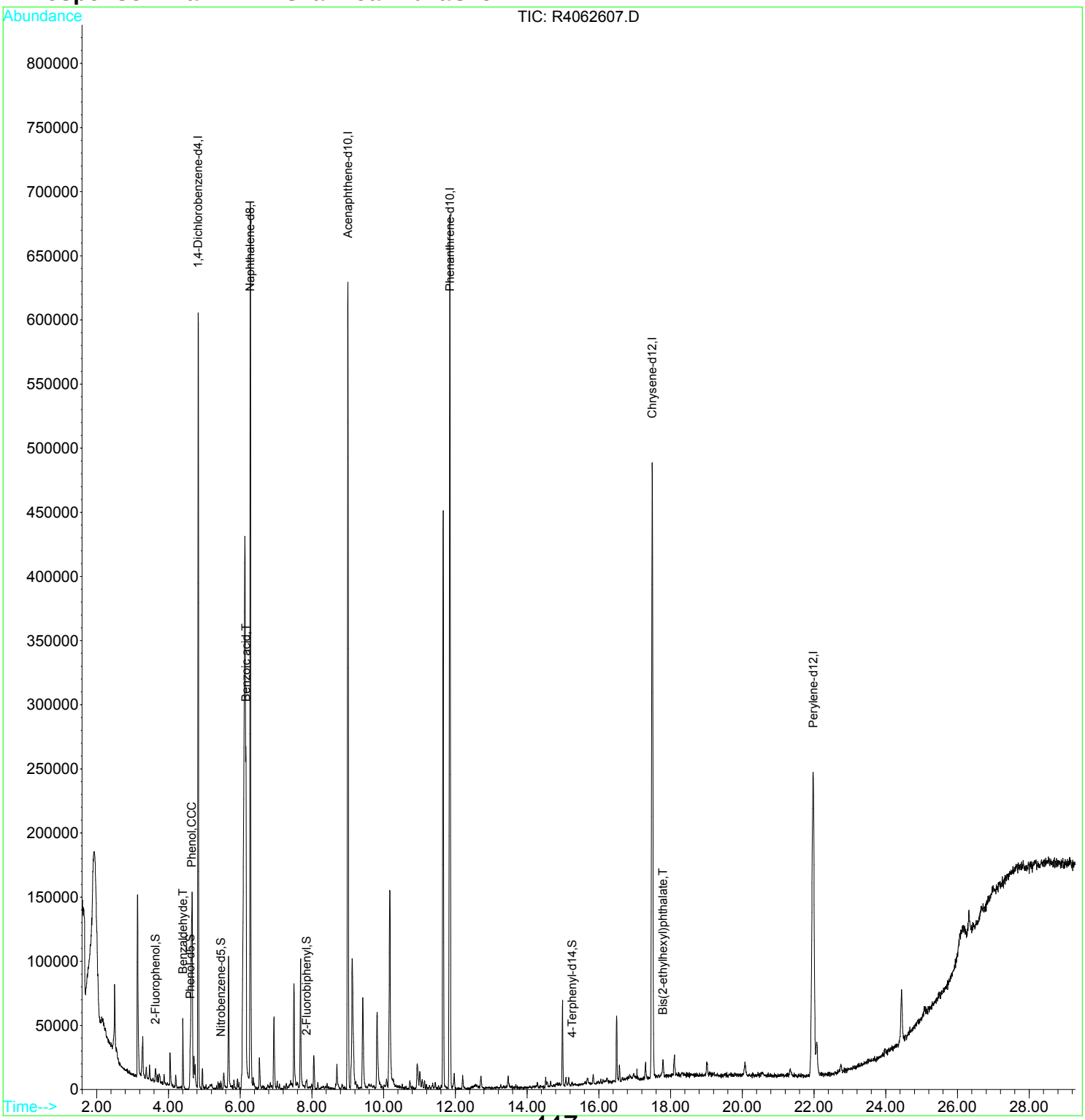
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.			
100)	Chrysene	0.00	228	0	N.D.			
101)	Bis(2-ethylhexyl)phthalate	17.79	149	8248	0.77	ng	#	94
102)	Di-n-octyl phthalate	0.00	149	0	N.D.			
103)	3-Methylchlolanthrene	0.00	268	0	N.D.			
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.			
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.			
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.			
108)	Benzo[a]pyrene	0.00	252	0	N.D.	d		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.			
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.			
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062607.D Vial: 4
Acq On : 26 Jun 2004 2:47 pm Operator: YH
Sample : 0406B33-001B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:06 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062608.D Vial: 5
Acq On : 26 Jun 2004 3:24 pm Operator: YH
Sample : 0406B33-002B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	100437	40.00	ng	0.00
23) Naphthalene-d8	6.28	136	383146	40.00	ng	0.00
45) Acenaphthene-d10	9.00	164	209054	40.00	ng	0.00
73) Phenanthrene-d10	11.84	188	347785	40.00	ng	0.00
92) Chrysene-d12	17.48	240	303940	40.00	ng	0.00
105) Perylene-d12	21.95	264	270252	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.64	112	5272	1.60	ng	0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 1.60%#			
9) Phenol-d5	4.64	99	6943	1.60	ng	0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 1.60%#			
24) Nitrobenzene-d5	5.46	82	3754	0.82	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 1.64%#			
50) 2-Fluorobiphenyl	7.85	172	6491	0.87	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 1.74%#			
72) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
Spiked Amount 100.000	Range 10 - 123		Recovery = 0.00%#			
94) 4-Terphenyl-d14	15.25	244	2908	0.37	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 0.74%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	5.04	108	22697	9.26	ng	92
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	5.21	107	151658	48.18	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062608.D Vial: 5
Acq On : 26 Jun 2004 3:24 pm Operator: YH
Sample : 0406B33-002B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.37	107	191118	49.38	ng	#	73
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.			
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	d		
22)	Hexachloroethane	0.00	117	0	N.D.			
25)	Acetophenone	0.00	105	0	N.D.	d		
26)	Nitrobenzene	0.00	77	0	N.D.	d		
27)	N-Nitrosopiperidine	0.00	114	0	N.D.			
28)	Isophorone	0.00	82	0	N.D.	d		
29)	2-Nitrophenol	0.00	139	0	N.D.			
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	d		
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.			
32)	2,4-Dichlorophenol	0.00	162	0	N.D.			
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.			
34)	Naphthalene	0.00	128	0	N.D.			
35)	Benzoic acid	6.10	122	3246	50.20	ng		90
36)	2,6-Dichlorophenol	0.00	162	0	N.D.			
37)	4-Chloroaniline	0.00	127	0	N.D.			
38)	Hexachlorobutadiene	0.00	225	0	N.D.			
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.			
40)	Caprolactam	6.84	55	3781	1.69	ng	#	5
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.			
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.			
43)	2-Methylnaphthalene	0.00	142	0	N.D.			
44)	1-Methylnaphthalene	0.00	142	0	N.D.			
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.			
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.			
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.			
51)	Biphenyl	0.00	154	0	N.D.			
52)	2-Chloronaphthalene	0.00	162	0	N.D.			
53)	1-Chloronaphthalene	0.00	162	0	N.D.			
54)	2-Nitroaniline	0.00	65	0	N.D.			
55)	3-Nitroaniline	0.00	138	0	N.D.			
56)	Pentachlorobenzene	0.00	250	0	N.D.			
57)	4-Nitroaniline	0.00	138	0	N.D.			
58)	2-Naphthylamine	0.00	143	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062608.D Vial: 5
Acq On : 26 Jun 2004 3:24 pm Operator: YH
Sample : 0406B33-002B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D.	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40626\R4062608.D Vial: 5
Acq On : 26 Jun 2004 3:24 pm Operator: YH
Sample : 0406B33-002B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:08 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

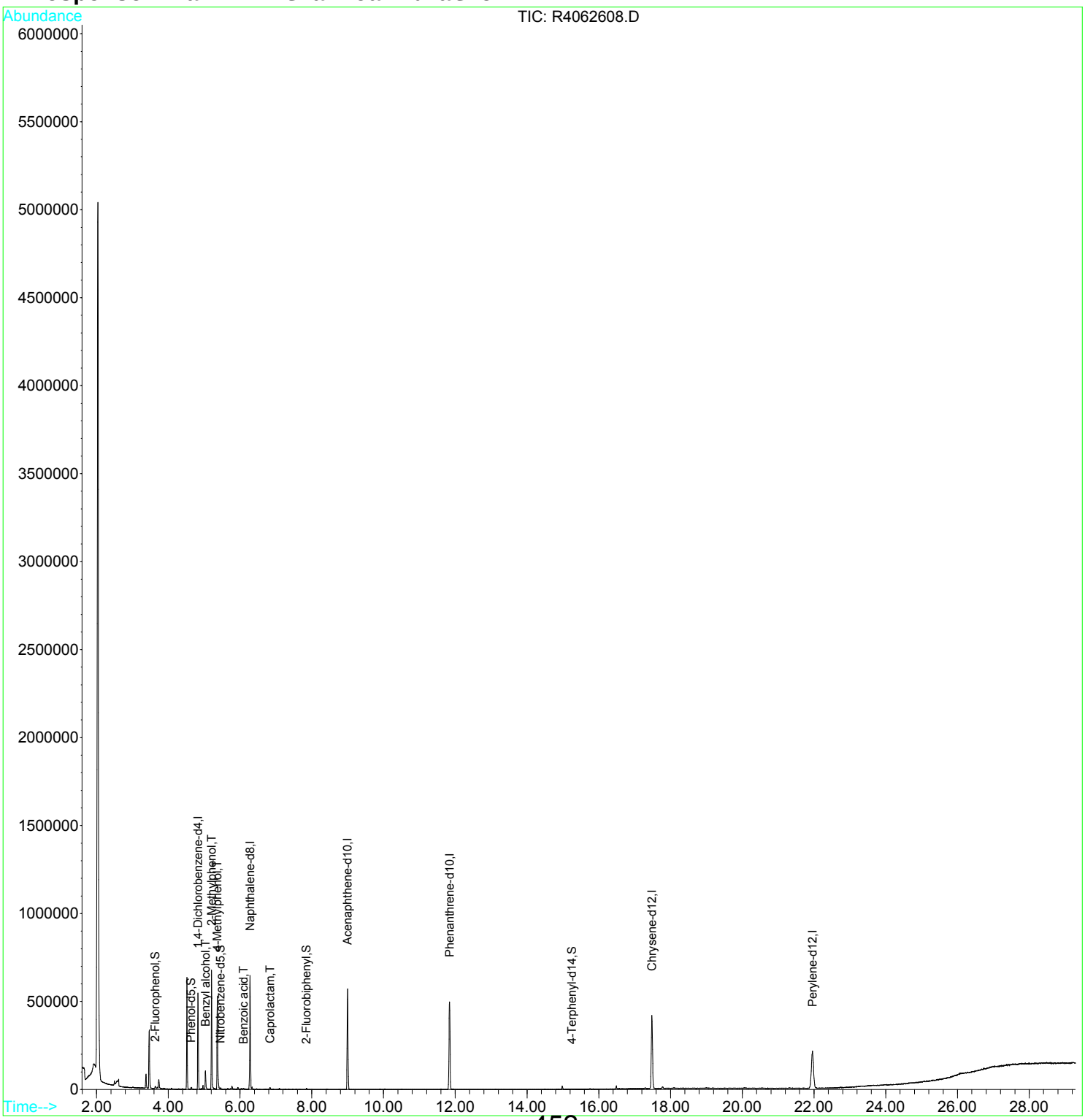
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	d	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40626\R4062608.D Vial: 5
Acq On : 26 Jun 2004 3:24 pm Operator: YH
Sample : 0406B33-002B 50X 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 14:08 2004 Quant Results File: B052404.RES

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration



Injection Log

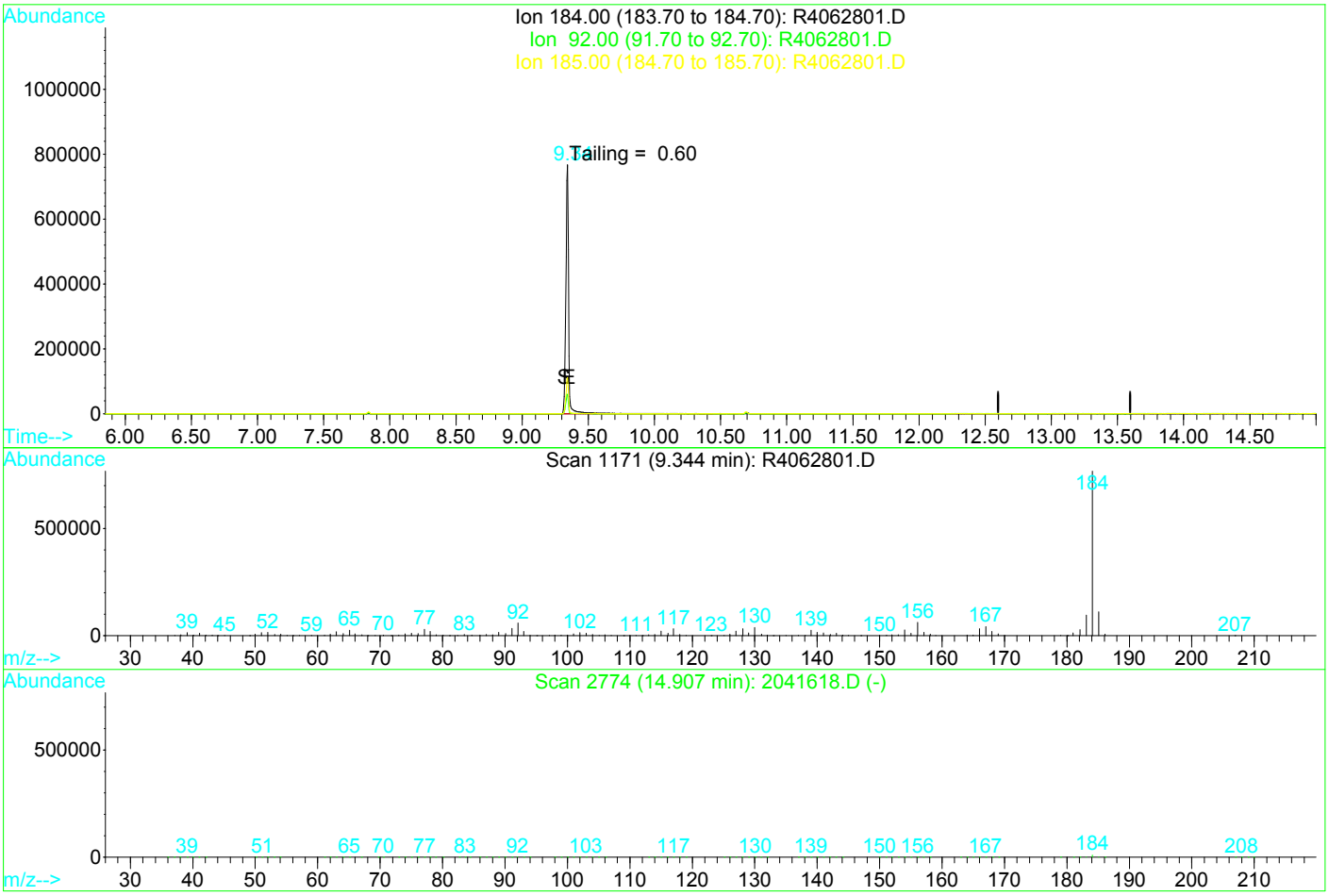
Directory: C:\HPCHEM\1\DATA\R40628

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	R4062801.D	1.	DFTPP	TUNE DFTPP_4	28 Jun 2004 09:05
2	2	R4062803.D	1.	BNA20 2271	CCV 8270_TCL4.2_W	28 Jun 2004 09:28
3	3	R4062804.D	1.	MB-47140	MBLK 8270_TCL4.2_S	28 Jun 2004 10:56
4	4	R4062805.D	1.	LCS-47140	LCS 8270_TCL4.2_S	28 Jun 2004 11:34
5	5	R4062806.D	1.	0406D29-002B 47140	SAMP 8270_TCL4.2_S	28 Jun 2004 12:11
6	6	R4062807.D	1.	0406D29-002BMS 47140	MS 8270_TCL4.2_S	28 Jun 2004 12:49
7	7	R4062808.D	1.	0406D29-002BMSD 47140	MSD 8270_TCL4.2_S	28 Jun 2004 13:27
8	8	R4062809.D	1.	0406D29-001B 47140	SAMP 8270_TCL4.2_S	28 Jun 2004 14:04
9	9	R4062810.D	1.	bna5c 2286	CCV 8270_TCL4.2_S	28 Jun 2004 16:07
10	10	R4062811.D	1.	0406b33-001b 50x 47036	SAMP 8270_TCL4.2_W	28 Jun 2004 16:45
11		R4062812.D	1.			

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40628\R4062801.D Vial: 1
Acq On : 28 Jun 2004 9:05 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 11:07 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062801.D

(7) Benzidine (T)

9.34min 0.00ng m

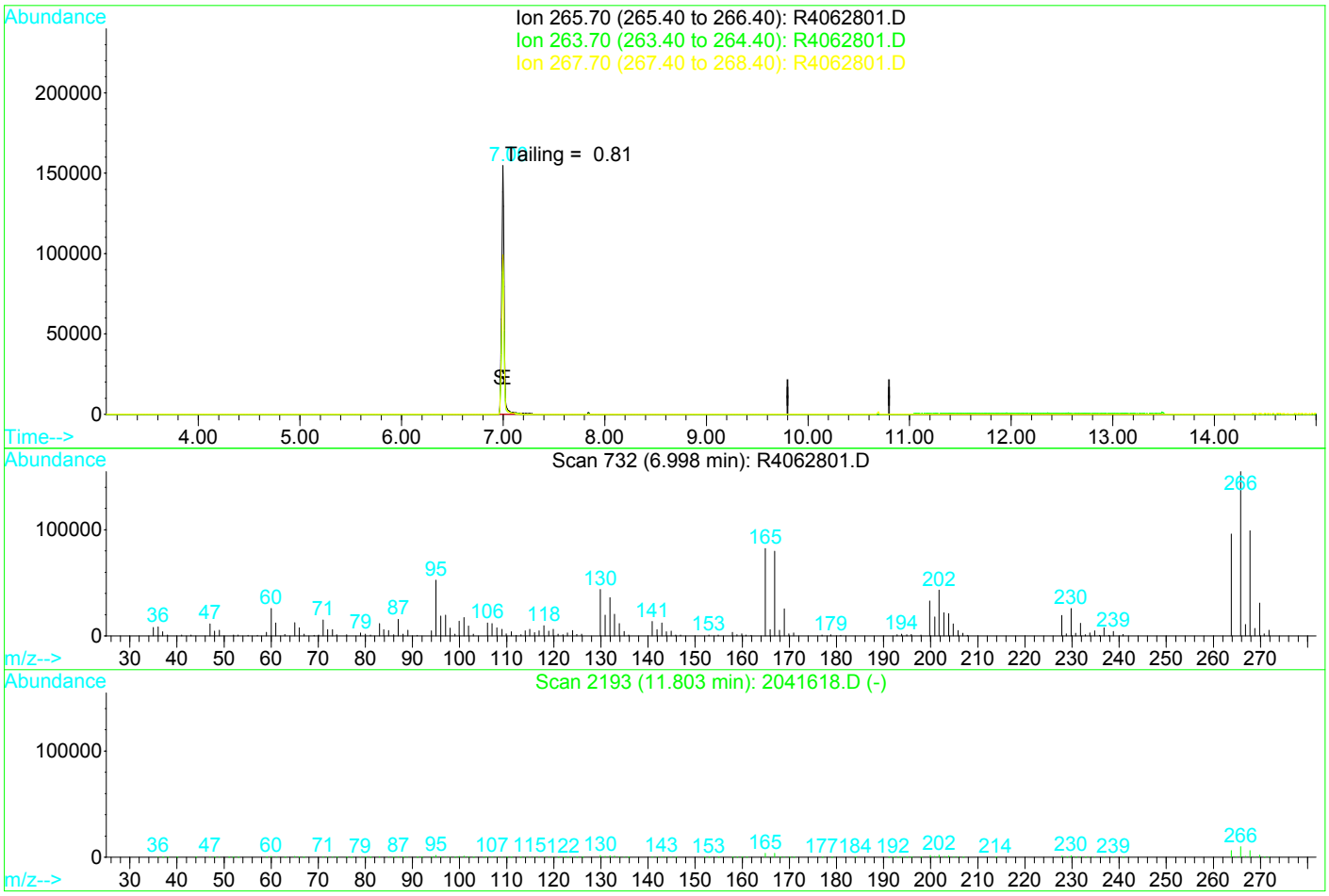
response 1138684

Ion	Exp%	Act%
184.00	100	100
92.00	11.30	0.00
185.00	14.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40628\R4062801.D Vial: 1
Acq On : 28 Jun 2004 9:05 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 11:07 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 05/01/02
Last Update : Wed Dec 03 17:06:17 2003
Response via : Single Level Calibration



TIC: R4062801.D

(5) Pentachlorophenol (CCC)

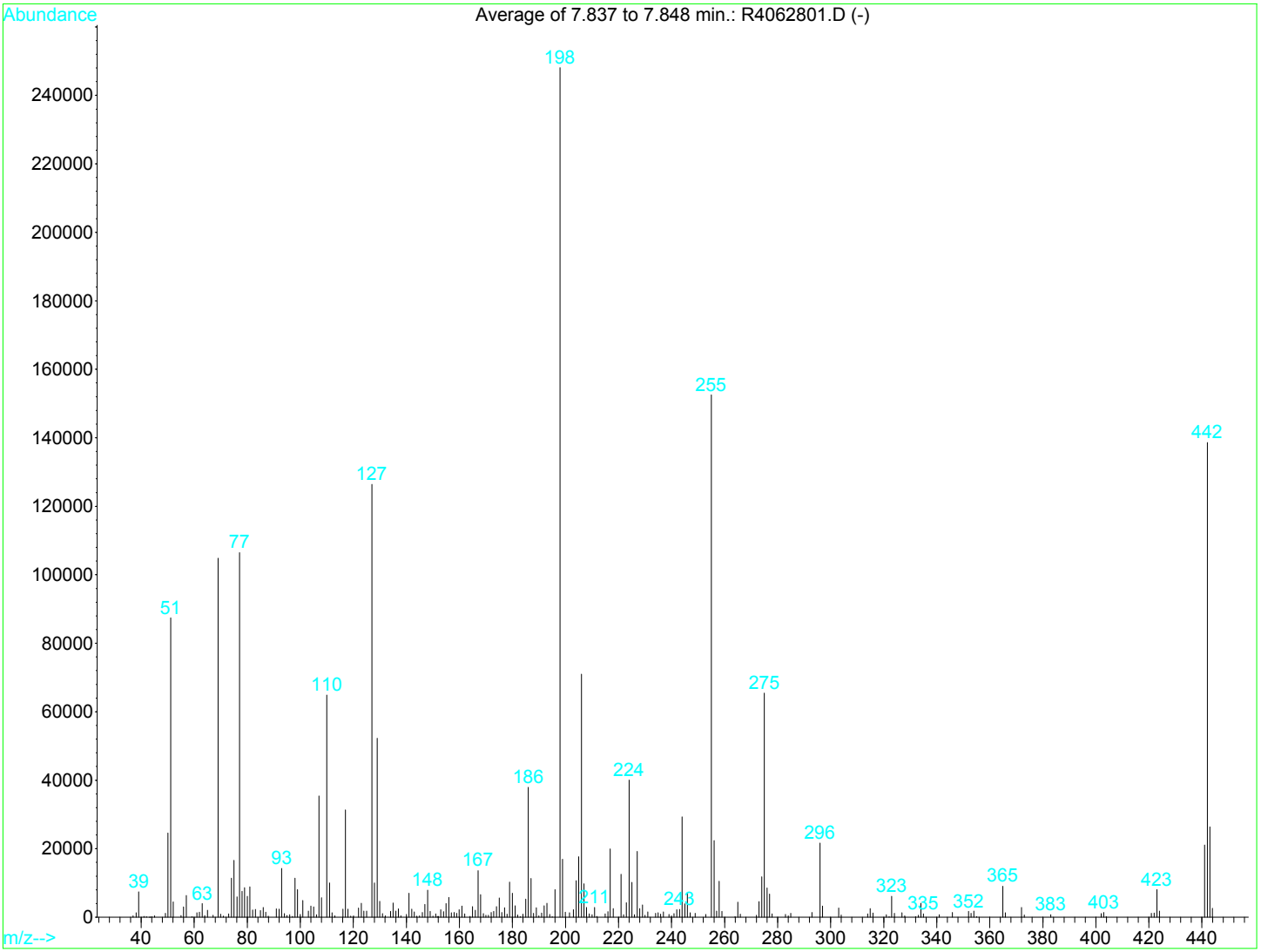
7.00min 0.00ng m

response 264118

Ion	Exp%	Act%
265.70	100	100
263.70	63.40	0.00#
267.70	63.70	0.00#
0.00	0.00	0.00

DFTPP 625 Results

C:\HPCHEM\1\DATA\R40628\R4062801.D **Mon Jun 28 09:20:29 2004**



Peak Apex is scan: 890
Average of 3 scans: 889,890,891 minus background scan 881

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	35.2	PASS
68	69	0	2	0.0	PASS
69	198	0	100	42.3	PASS
70	69	0	2	0.8	PASS
127	198	40	60	51.0	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	26.4	PASS
365	198	1	100	3.6	PASS
441	443	0	100	79.8	PASS
442	198	40	100	55.9	PASS
443	442	17	23	19.0	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\R40628\R4062801.D
Operator: YH
Date Acquired: 28 Jun 2004 9:05 am
Method File: DFTPP
Sample Name: DFTPP
Misc Info: TUNE DFTPP_4
Vial Number: 1

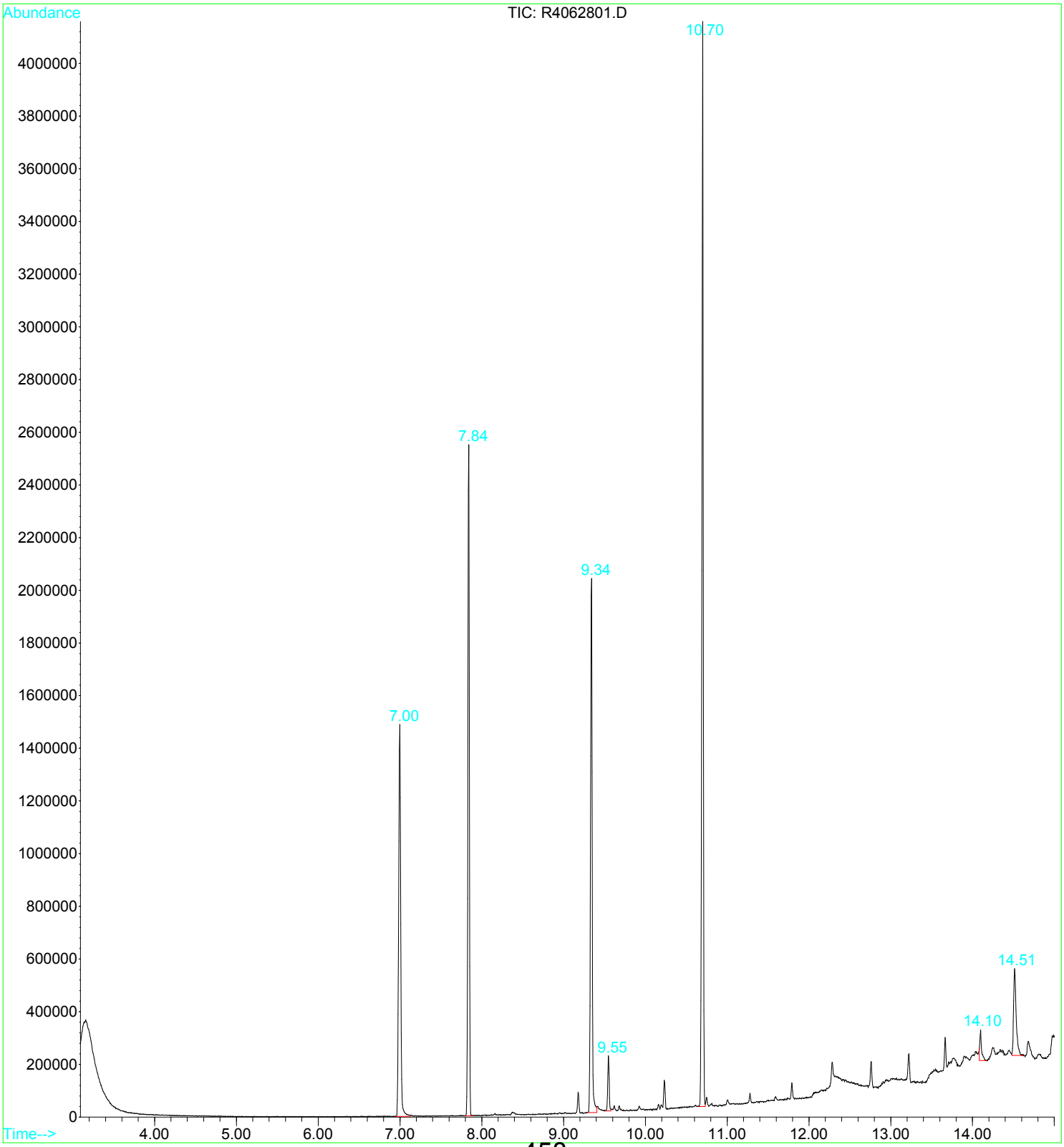
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	7.00	16.95	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	93
2	7.84	21.43	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	99
3	9.34	19.07	C:\DATABASE\NIST98.L			
			Benzidine	78849	000092-87-5	97
			Benzidine	125573	000092-87-5	96
			Benzidine	125548	000092-87-5	95
4	9.55	1.77	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	95
			Hexadecanoic acid, 1,1-dimethyleth	15255	031158-91-5	93
			2-Methyl-1-tetradecene	15037	052254-38-3	42
5	10.70	34.90	C:\DATABASE\NIST98.L			
			o,p'-DDT	127279	000789-02-6	95
			Chlorophenothane	127287	000050-29-3	91
			1,1-Dichloro-2,2-bis(p-chloropheny	127283	000072-54-8	91
6	14.10	1.16	C:\DATABASE\NIST98.L			
			Eicosane	16454	000112-95-8	92
			Tetracosane, 1-bromo-	16525	006946-24-3	50
			Eicosane	112565	000112-95-8	47
7	14.51	4.71	C:\DATABASE\NIST98.L			
			Silane, [1-(5-ethenyltetrahydro-5-	59101	057428-80-5	42
			Indan, 1-methyl-3-nonyl-	59311	029138-85-0	42
			Silane, [1-(5-ethenyltetrahydro-5-	59104	057397-14-5	42

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062801.D Vial: 1
Acq On : 28 Jun 2004 9:05 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



R4062801.D DFTPP.M Mon Jun 28 09:20:26 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062801.D Vial: 1
Acq On : 28 Jun 2004 9:05 am Operator: YH
Sample : DFTPP Inst : GC/MS 10
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.998	723	732	756	rBV	1487851	2547811	48.57%	16.954%
2	7.842	882	890	900	rBV	2547443	3221019	61.41%	21.433%
3	9.344	1162	1171	1183	rBV	2028110	2865189	54.62%	19.065%
4	9.547	1203	1209	1215	rBV	209074	265890	5.07%	1.769%
5	10.701	1417	1425	1431	rBV	4119632	5245424	100.00%	34.904%
6	14.098	2058	2061	2074	rVB3	117018	174301	3.32%	1.160%
7	14.515	2133	2139	2158	rVB	328878	708538	13.51%	4.715%

Sum of corrected areas: 15028172

R4062801.D DFTPP.M Mon Jun 28 09:20:26 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062810.D Vial: 9
Acq On : 28 Jun 2004 4:07 pm Operator: YH
Sample : bna5c 2286 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	53	0.01
2		Benzaldehyde	1.122	1.186	-5.7	58	0.01
3		Acetophenone	1.981	2.172	-9.6	61	0.01
4	I	Naphthalene-d8	1.000	1.000	0.0	53	0.01
5		e-Caprolactam	0.166	0.174	-4.8	55	0.02
6	I	Acenaphthene-d10	1.000	1.000	0.0	46#	0.02
7		1,1-Biphenyl	1.392	1.655	-18.9	60	0.02
8	I	Phenanthrene-d10	1.000	1.000	0.0	43#	0.01
9	I	Atrazine	0.221	0.253	-14.5	50	0.02
10	I	Chrysene-d12	1.000	1.000	0.0	32#	0.02
11	I	Perylene-d12	1.000	1.000	0.0	44#	0.05

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
2		Pyridine	1.558	1.973	-26.6#	92	0.00
3	T	2-Picoline	1.257	1.293	-2.9	75	-0.01
4	T	Methyl methanesulfonate	0.729	0.720	1.2	73	0.00
5	S	2-Fluorophenol	1.314	1.305	0.7	73	0.00
6	T	Ethyl methanesulfonate	1.240	1.130	8.9	67	0.00
7	T	Benzaldehyde	0.146	0.454	-211.0#	0#	0.00
8	T	Aniline	0.944	0.849	10.1	62	-0.01
9	S	Phenol-d5	1.726	1.618	6.3	67	-0.01
10	CCC	Phenol	2.080	1.884	9.4	64	-0.01
11	T	Bis(2-chloroethyl)ether	1.331	1.074	19.3	58	-0.01
12	T	2-Chlorophenol	1.473	1.433	2.7	70	-0.01
13	T	1,3-Dichlorobenzene	1.606	1.608	-0.1	71	0.00
14	CCC	1,4-Dichlorobenzene	1.617	1.656	-2.4	73	-0.01
15	T	1,2-Dichlorobenzene	1.531	1.554	-1.5	71	0.00
16	T	Benzyl alcohol	0.976	0.929	4.8	71	-0.01
17	T	Bis(2-chloroisopropyl)ether	2.332	1.996	14.4	61	0.00
18	T	2-Methylphenol	1.254	1.184	5.6	68	-0.02
19	T	4-Methylphenol	1.541	1.517	1.6	70	-0.02
20	PC	N-Nitrosodi-n-propylamine	1.234	1.151	6.7	68	-0.01
21	T	N-Nitrosodimethylamine	0.769	0.897	-16.6	87	0.00
22	T	Hexachloroethane	0.677	0.676	0.1	73	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	71	-0.01
24	S	Nitrobenzene-d5	0.480	0.474	1.3	71	-0.01
25	T	Acetophenone	0.566	0.551	2.7	69	-0.01
26	M	Nitrobenzene	0.470	0.480	-2.1	72	-0.01
27	T	N-Nitrosopiperidine	0.195	0.185	5.1	68	-0.01
28	T	Isophorone	0.820	0.796	2.9	69	-0.02
29	CCC	2-Nitrophenol	0.201	0.195	3.0	73	-0.01
30	T	2,4-Dimethylphenol	0.343	0.324	5.5	67	0.00
31	T	Bis(2-chloroethoxy)methane	0.490	0.444	9.4	64	0.00
32	CCC	2,4-Dichlorophenol	0.299	0.287	4.0	69	-0.01
33	T	1,2,4-Trichlorobenzene	0.318	0.307	3.5	67	0.00
34	T	Naphthalene	1.110	1.127	-1.5	70	-0.01
35	T	Benzoic acid	0.113	0.000	100.0#	0#	-6.10#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.289	0.288	0.3	70	-0.01
37	T	4-Chloroaniline	0.441	0.416	5.7	63	-0.01
38	CCC	Hexachlorobutadiene	0.176	0.173	1.7	69	-0.01
39	T	a,a-Dimethylphenethylamine	0.951	0.828	12.9	62	-0.18
40	T	Caprolactam	0.234	0.213	9.0	77	-0.05
41	CCC	4-Chloro-3-methylphenol	0.359	0.351	2.2	70	-0.01
42	T	N-Nitrosodi-n-butylamine	0.371	0.320	13.7	73	-0.01
43	T	2-Methylnaphthalene	0.771	0.751	2.6	68	-0.01
44	T	1-Methylnaphthalene	0.775	0.758	2.2	69	0.00
45	I	Acenaphthene-d10	1.000	1.000	0.0	67	-0.01
46	T	1,2,4,5-Tetrachlorobenzene	0.528	0.518	1.9	67	0.00
47	PC	Hexachlorocyclopentadiene	0.266	0.221	16.9	61	-0.01
48	CCC	2,4,6-Trichlorophenol	0.361	0.347	3.9	67	-0.01
49	T	2,4,5-Trichlorophenol	0.380	0.372	2.1	67	-0.01
50	S	2-Fluorobiphenyl	1.426	1.469	-3.0	68	-0.01
51	T	Biphenyl	1.810	1.858	-2.7	68	-0.02
52	T	2-Chloronaphthalene	1.327	1.345	-1.4	67	-0.01
53	T	1-Chloronaphthalene	1.041	1.044	-0.3	68	-0.02
54	T	2-Nitroaniline	0.459	0.442	3.7	69	-0.01
55	T	3-Nitroaniline	0.364	0.330	9.3	65	-0.02
56	T	Pentachlorobenzene	0.417	0.389	6.7	62	-0.02
57	T	4-Nitroaniline	0.370	0.325	12.2	63	-0.03
58	T	2-Naphthylamine	1.169	1.080	7.6	63	-0.02
59	T	1-Naphthylamine	1.221	1.095	10.3	58	-0.02
60	T	Dimethyl phthalate	1.426	1.433	-0.5	68	-0.02
61	T	Acenaphthylene	2.032	2.045	-0.6	66	-0.02
62	T	2,6-Dinitrotoluene	0.315	0.314	0.3	70	-0.02
63	CCC	Acenaphthene	1.176	1.169	0.6	67	-0.02
64	PC	2,4-Dinitrophenol	0.145	0.072	50.3#	49#	-0.01
65	T	Dibenzofuran	1.736	1.730	0.3	66	-0.02
66	PC	4-Nitrophenol	0.333	0.316	5.1	71	0.00
67	M	2,4-Dinitrotoluene	0.416	0.397	4.6	67	-0.02
68	T	2,3,4,6-Tetrachlorophenol	0.279	0.233	16.5	59	-0.02
69	T	Diethyl phthalate	1.455	1.460	-0.3	68	-0.02
70	T	Fluorene	1.423	1.432	-0.6	67	-0.02

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.637	0.618	3.0	64	-0.02
72	S	2,4,6-Tribromophenol	0.112	0.083	25.9#	53	-0.02
73	I	Phenanthrene-d10	1.000	1.000	0.0	66	-0.02
74	T	4,6-Dinitro-2-methylphenol	0.148	0.113	23.6#	59	-0.03
75	T	Azobenzene	1.115	1.150	-3.1	68	-0.02
76	T	1,2-Diphenylhydrazine	0.244	0.239	2.0	65	-0.02
77	CCC	Diphenylamine	0.152	0.153	-0.7	66	-0.02
78	T	N-Nitrosodiphenylamine	0.749	0.741	1.1	66	-0.03
79	T	4-Bromophenyl phenyl ether	0.216	0.195	9.7	60	-0.01
80	T	Phenacetin	0.499	0.479	4.0	67	-0.03
81	T	Hexachlorobenzene	0.194	0.166	14.4	57	-0.02
82	T	Atrazine	0.234	0.236	-0.9	66	-0.03
83	T	4-Aminobiphenyl	0.743	0.665	10.5	60	-0.02
84	CCC	Pentachlorophenol	0.119	0.100	16.0	0#	-0.02
85	T	Pentachloronitrobenzene	0.102	0.106	-3.9	71	-0.02
86	T	Pronamide	0.368	0.369	-0.3	68	-0.02
87	T	Phenanthrene	1.209	1.220	-0.9	66	-0.02
88	T	Anthracene	1.296	1.288	0.6	65	-0.02
89	T	Carbazole	1.279	1.262	1.3	65	-0.02
90	T	Di-n-butyl phthalate	1.597	1.622	-1.6	68	-0.02
91	CCC	Fluoranthene	1.356	1.348	0.6	66	-0.02
92	I	Chrysene-d12	1.000	1.000	0.0	67	-0.02
93	T	Pyrene	1.645	1.641	0.2	66	-0.02
94	S	4-Terphenyl-d14	1.023	0.978	4.4	64	-0.02
95	T	Benzidine	0.229	0.303	-32.3#	0#	-0.02
96	T	Dimethylaminoazobenzene	0.344	0.314	8.7	63	-0.02
97	T	Butyl benzyl phthalate	0.888	0.952	-7.2	74	-0.02
98	T	Benz(a)anthracene	1.529	1.537	-0.5	67	-0.03
99	T	3,3'-Dichlorobenzidine	0.463	0.481	-3.9	73	-0.02
100	T	Chrysene	1.420	1.453	-2.3	68	-0.03
101	T	Bis(2-ethylhexyl)phthalate	1.216	1.368	-12.5	78	-0.02
102	CCC	Di-n-octyl phthalate	1.997	2.251	-12.7	80	-0.03
103	T	3-Methylchlolanthrene	0.719	0.710	1.3	70	-0.05
104	T	Indeno[1,2,3-cd]pyrene	1.560	1.547	0.8	72	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	70	-0.04
106	T	Benzo[b]fluoranthene	1.562	1.596	-2.2	73	-0.05
107	T	Benzo[k]fluoranthene	1.502	1.366	9.1	65	-0.05
108	CCC	Benzo[a]pyrene	1.453	1.443	0.7	70	-0.06
109	T	Dibenz(a,j)acridine	1.222	1.192	2.5	71	-0.04
110	T	Dibenz(a,h)anthracene	1.472	1.438	2.3	70	-0.05
111	T	Benzo[g,h,i]perylene	1.448	1.443	0.3	72	-0.05

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	72	0.00
2		Pyridine	20.000	25.329	-26.6#	92	0.00
3	T	2-Picoline	20.000	20.573	-2.9	75	-0.01
4	T	Methyl methanesulfonate	20.000	19.757	1.2	73	0.00
5	S	2-Fluorophenol	20.000	19.854	0.7	73	0.00
6	T	Ethyl methanesulfonate	20.000	18.221	8.9	67	0.00
7	T	Benzaldehyde	20.000	56.024	-180.1#	0	0.00
8	T	Aniline	20.000	17.979	10.1	62	-0.01
9	S	Phenol-d5	20.000	18.748	6.3	67	-0.01
10	CCC	Phenol	20.000	18.115	9.4	64	-0.01
11	T	Bis(2-chloroethyl)ether	20.000	16.140	19.3	58	-0.01
12	T	2-Chlorophenol	20.000	19.452	2.7	70	-0.01
13	T	1,3-Dichlorobenzene	20.000	20.031	-0.2	71	0.00
14	CCC	1,4-Dichlorobenzene	20.000	20.480	-2.4	73	-0.01
15	T	1,2-Dichlorobenzene	20.000	20.304	-1.5	71	0.00
16	T	Benzyl alcohol	20.000	19.037	4.8	71	-0.01
17	T	Bis(2-chloroisopropyl)ether	20.000	17.119	14.4	61	0.00
18	T	2-Methylphenol	20.000	18.883	5.6	68	-0.02
19	T	4-Methylphenol	40.000	39.366	1.6	70	-0.02
20	PC	N-Nitrosodi-n-propylamine	20.000	18.668	6.7	68	-0.01
21	T	N-Nitrosodimethylamine	20.000	23.329	-16.6	87	0.00
22	T	Hexachloroethane	20.000	19.980	0.1	73	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	71	-0.01
24	S	Nitrobenzene-d5	20.000	19.766	1.2	71	-0.01
25	T	Acetophenone	20.000	19.479	2.6	69	-0.01
26	M	Nitrobenzene	20.000	20.439	-2.2	72	-0.01
27	T	N-Nitrosopiperidine	20.000	18.997	5.0	68	-0.01
28	T	Isophorone	20.000	19.420	2.9	69	-0.02
29	CCC	2-Nitrophenol	20.000	19.460	2.7	73	-0.01
30	T	2,4-Dimethylphenol	20.000	18.881	5.6	67	0.00
31	T	Bis(2-chloroethoxy)methane	20.000	18.120	9.4	64	0.00
32	CCC	2,4-Dichlorophenol	20.000	19.194	4.0	69	-0.01
33	T	1,2,4-Trichlorobenzene	20.000	19.266	3.7	67	0.00
34	T	Naphthalene	20.000	20.308	-1.5	70	-0.01
35	T	Benzoic acid	20.000	48.805	-144.0#	0	-6.10#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	20.000	19.938	0.3	70	-0.01
37	T	4-Chloroaniline	20.000	18.869	5.7	63	-0.01
38	CCC	Hexachlorobutadiene	20.000	19.639	1.8	69	-0.01
39	T	a,a-Dimethylphenethylamine	20.000	17.421	12.9	62	-0.18
40	T	Caprolactam	20.000	18.237	8.8	77	-0.05
41	CCC	4-Chloro-3-methylphenol	20.000	19.575	2.1	70	-0.01
42	T	N-Nitrosodi-n-butylamine	20.000	17.242	13.8	73	-0.01
43	T	2-Methylnaphthalene	20.000	19.479	2.6	68	-0.01
44	T	1-Methylnaphthalene	20.000	19.555	2.2	69	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	67	-0.01
46	T	1,2,4,5-Tetrachlorobenzene	20.000	19.634	1.8	67	0.00
47	PC	Hexachlorocyclopentadiene	20.000	16.614	16.9	61	-0.01
48	CCC	2,4,6-Trichlorophenol	20.000	19.224	3.9	67	-0.01
49	T	2,4,5-Trichlorophenol	20.000	19.578	2.1	67	-0.01
50	S	2-Fluorobiphenyl	20.000	20.595	-3.0	68	-0.01
51	T	Biphenyl	20.000	20.535	-2.7	68	-0.02
52	T	2-Chloronaphthalene	20.000	20.272	-1.4	67	-0.01
53	T	1-Chloronaphthalene	20.000	20.066	-0.3	68	-0.02
54	T	2-Nitroaniline	20.000	19.234	3.8	69	-0.01
55	T	3-Nitroaniline	20.000	18.112	9.4	65	-0.02
56	T	Pentachlorobenzene	20.000	18.649	6.8	62	-0.02
57	T	4-Nitroaniline	20.000	17.561	12.2	63	-0.03
58	T	2-Naphthylamine	20.000	18.476	7.6	63	-0.02
59	T	1-Naphthylamine	20.000	17.943	10.3	58	-0.02
60	T	Dimethyl phthalate	20.000	20.099	-0.5	68	-0.02
61	T	Acenaphthylene	20.000	20.134	-0.7	66	-0.02
62	T	2,6-Dinitrotoluene	20.000	19.956	0.2	70	-0.02
63	CCC	Acenaphthene	20.000	19.885	0.6	67	-0.02
64	PC	2,4-Dinitrophenol	20.000	17.831	10.8	49	-0.01
65	T	Dibenzofuran	20.000	19.932	0.3	66	-0.02
66	PC	4-Nitrophenol	20.000	18.932	5.3	71	0.00
67	M	2,4-Dinitrotoluene	20.000	19.087	4.6	67	-0.02
68	T	2,3,4,6-Tetrachlorophenol	20.000	16.707	16.5	59	-0.02
69	T	Diethyl phthalate	20.000	20.078	-0.4	68	-0.02
70	T	Fluorene	20.000	20.133	-0.7	67	-0.02

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	20.000	19.428	2.9	64	-0.02
72	S	2,4,6-Tribromophenol	20.000	14.845	25.8#	53	-0.02
73	I	Phenanthrene-d10	40.000	40.000	0.0	66	-0.02
74	T	4,6-Dinitro-2-methylphenol	20.000	18.283	8.6	59	-0.03
75	T	Azobenzene	20.000	20.627	-3.1	68	-0.02
76	T	1,2-Diphenylhydrazine	20.000	19.588	2.1	65	-0.02
77	CCC	Diphenylamine	20.000	20.119	-0.6	66	-0.02
78	T	N-Nitrosodiphenylamine	20.000	19.790	1.1	66	-0.03
79	T	4-Bromophenyl phenyl ether	20.000	18.023	9.9	60	-0.01
80	T	Phenacetin	20.000	19.231	3.8	67	-0.03
81	T	Hexachlorobenzene	20.000	17.170	14.1	57	-0.02
82	T	Atrazine	20.000	20.132	-0.7	66	-0.03
83	T	4-Aminobiphenyl	20.000	17.917	10.4	60	-0.02
84	CCC	Pentachlorophenol	20.000	16.894	15.5	0	-0.02
85	T	Pentachloronitrobenzene	20.000	20.833	-4.2	71	-0.02
86	T	Pronamide	20.000	20.032	-0.2	68	-0.02
87	T	Phenanthrene	20.000	20.188	-0.9	66	-0.02
88	T	Anthracene	20.000	19.875	0.6	65	-0.02
89	T	Carbazole	20.000	19.740	1.3	65	-0.02
90	T	Di-n-butyl phthalate	20.000	20.313	-1.6	68	-0.02
91	CCC	Fluoranthene	20.000	19.889	0.6	66	-0.02
92	I	Chrysene-d12	40.000	40.000	0.0	67	-0.02
93	T	Pyrene	20.000	19.949	0.3	66	-0.02
94	S	4-Terphenyl-d14	20.000	19.111	4.4	64	-0.02
95	T	Benzidine	20.000	26.465	-32.3#	0	-0.02
96	T	Dimethylaminoazobenzene	20.000	18.289	8.6	63	-0.02
97	T	Butyl benzyl phthalate	20.000	21.429	-7.1	74	-0.02
98	T	Benz(a)anthracene	20.000	20.109	-0.5	67	-0.03
99	T	3,3'-Dichlorobenzidine	20.000	20.762	-3.8	73	-0.02
100	T	Chrysene	20.000	20.460	-2.3	68	-0.03
101	T	Bis(2-ethylhexyl)phthalate	20.000	22.500	-12.5	78	-0.02
102	CCC	Di-n-octyl phthalate	20.000	22.546	-12.7	80	-0.03
103	T	3-Methylchlolanthrene	20.000	19.757	1.2	70	-0.05
104	T	Indeno[1,2,3-cd]pyrene	20.000	19.834	0.8	72	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	70	-0.04
106	T	Benzo[b]fluoranthene	20.000	20.431	-2.2	73	-0.05
107	T	Benzo[k]fluoranthene	20.000	18.185	9.1	65	-0.05
108	CCC	Benzo[a]pyrene	20.000	19.858	0.7	70	-0.06
109	T	Dibenz(a,j)acridine	20.000	19.516	2.4	71	-0.04
110	T	Dibenz(a,h)anthracene	20.000	19.533	2.3	70	-0.05
111	T	Benzo[g,h,i]perylene	20.000	19.937	0.3	72	-0.05

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.82	152	90854	40.00	ng	-0.05
23) Naphthalene-d8	6.27	136	338092	40.00	ng	-0.05
45) Acenaphthene-d10	8.99	164	184172	40.00	ng	-0.07
73) Phenanthrene-d10	11.83	188	300162	40.00	ng	-0.08
92) Chrysene-d12	17.47	240	259903	40.00	ng	-0.09
105) Perylene-d12	21.92	264	233155	40.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	3.62	112	59276	19.85	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 19.85%#			
9) Phenol-d5	4.61	99	73489	18.75	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 18.75%			
24) Nitrobenzene-d5	5.45	82	80184	19.77	ng	-0.05
Spiked Amount 50.000	Range 34 - 114		Recovery = 39.54%			
50) 2-Fluorobiphenyl	7.84	172	135243	20.59	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 41.18%#			
72) 2,4,6-Tribromophenol	10.50	330	7665	14.85	ng	-0.06
Spiked Amount 100.000	Range 10 - 123		Recovery = 14.85%			
94) 4-Terphenyl-d14	15.23	244	127070	19.11	ng	-0.08
Spiked Amount 50.000	Range 33 - 141		Recovery = 38.22%			
Target Compounds						Qvalue
2) Pyridine	1.65	79	89609	25.33	ng	# 94
3) 2-Picoline	2.79	93	58754	20.57	ng	99
4) Methyl methanesulfonate	3.38	80	32710	19.76	ng	98
6) Ethyl methanesulfonate	4.13	79	51329	18.22	ng	99
7) Benzaldehyde	4.39	105	20607	56.02	ng	99
8) Aniline	4.54	66	38553	17.98	ng	98
10) Phenol	4.62	94	85580	18.11	ng	# 83
11) Bis(2-chloroethyl)ether	4.59	63	48789	16.14	ng	# 80
12) 2-Chlorophenol	4.68	128	65080	19.45	ng	96
13) 1,3-Dichlorobenzene	4.78	146	73059	20.03	ng	100
14) 1,4-Dichlorobenzene	4.84	146	75234	20.48	ng	97
15) 1,2-Dichlorobenzene	5.04	146	70596	20.30	ng	97
16) Benzyl alcohol	5.02	108	42213	19.04	ng	95
17) Bis(2-chloroisopropyl)ethe	5.16	45	90682	17.12	ng	# 69
18) 2-Methylphenol	5.20	107	53766	18.88	ng	# 84

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	5.36	107	137830	39.37	ng		99
20)	N-Nitrosodi-n-propylamine	5.31	70	52303	18.67	ng		93
21)	N-Nitrosodimethylamine	1.62	42	40744	23.33	ng		100
22)	Hexachloroethane	5.36	117	30724	19.98	ng		91
25)	Acetophenone	5.28	105	93106	19.48	ng		99
26)	Nitrobenzene	5.47	77	81162	20.44	ng		97
27)	N-Nitrosopiperidine	5.64	114	31269	19.00	ng		91
28)	Isophorone	5.73	82	134538	19.42	ng		98
29)	2-Nitrophenol	5.83	139	33013	19.46	ng		95
30)	2,4-Dimethylphenol	5.93	122	54796	18.88	ng		98
31)	Bis(2-chloroethoxy)methane	5.99	93	75092	18.12	ng		99
32)	2,4-Dichlorophenol	6.16	162	48435	19.19	ng		98
33)	1,2,4-Trichlorobenzene	6.22	180	51859	19.27	ng		98
34)	Naphthalene	6.29	128	190584	20.31	ng		100
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.43	162	48660	19.94	ng		98
37)	4-Chloroaniline	6.41	127	70269	18.87	ng	#	92
38)	Hexachlorobutadiene	6.52	225	29173	19.64	ng		98
39)	a,a-Dimethylphenethylamine	6.50	58	139983m	17.42	ng		
40)	Caprolactam	6.82	55	36068	18.24	ng		92
41)	4-Chloro-3-methylphenol	7.13	107	59322	19.57	ng		99
42)	N-Nitrosodi-n-butylamine	6.86	84	54111	17.24	ng		91
43)	2-Methylnaphthalene	7.24	142	127000	19.48	ng		99
44)	1-Methylnaphthalene	7.41	142	128081	19.55	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.56	216	47723	19.63	ng		98
47)	Hexachlorocyclopentadiene	7.59	237	20311	16.61	ng		100
48)	2,4,6-Trichlorophenol	7.75	196	31929	19.22	ng		98
49)	2,4,5-Trichlorophenol	7.85	196	34247	19.58	ng		95
51)	Biphenyl	7.98	154	171106	20.53	ng		99
52)	2-Chloronaphthalene	8.00	162	123887	20.27	ng		98
53)	1-Chloronaphthalene	8.06	162	96163	20.07	ng		99
54)	2-Nitroaniline	8.25	65	40683	19.23	ng		95
55)	3-Nitroaniline	8.98	138	30393	18.11	ng		96
56)	Pentachlorobenzene	9.38	250	35819	18.65	ng		95
57)	4-Nitroaniline	10.14	138	29948	17.56	ng		95
58)	2-Naphthylamine	9.50	143	99460	18.48	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.64	143	100859	17.94	ng		99
60)	Dimethyl phthalate	8.60	163	131926	20.10	ng		100
61)	Acenaphthylene	8.71	152	188351	20.13	ng		100
62)	2,6-Dinitrotoluene	8.71	165	28900	19.96	ng		91
63)	Acenaphthene	9.04	154	107694	19.89	ng		99
64)	2,4-Dinitrophenol	9.17	184	6637m	17.83	ng		
65)	Dibenzofuran	9.33	168	159300	19.93	ng		79
66)	4-Nitrophenol	9.45	65	29064	18.93	ng	#	1
67)	2,4-Dinitrotoluene	9.43	165	36532	19.09	ng		91
68)	2,3,4,6-Tetrachlorophenol	9.69	232	21441	16.71	ng		96
69)	Diethyl phthalate	9.91	149	134491	20.08	ng		100
70)	Fluorene	9.98	166	131908	20.13	ng		99
71)	4-Chlorophenyl phenyl ethe	10.00	204	56954	19.43	ng		100
74)	4,6-Dinitro-2-methylphenol	10.20	198	16895	18.28	ng		92
75)	Azobenzene	10.30	77	172595	20.63	ng		98
76)	1,2-Diphenylhydrazine	10.30	182	35920	19.59	ng	#	90
77)	Diphenylamine	10.25	170	22913	20.12	ng		97
78)	N-Nitrosodiphenylamine	10.25	168	111155	19.79	ng		99
79)	4-Bromophenyl phenyl ether	10.95	248	29269	18.02	ng		100
80)	Phenacetin	10.96	108	71959	19.23	ng		99
81)	Hexachlorobenzene	11.22	284	24937	17.17	ng		99
82)	Atrazine	11.41	200	35413	20.13	ng		94
83)	4-Aminobiphenyl	11.50	169	99864	17.92	ng		99
84)	Pentachlorophenol	11.63	266	15064	16.89	ng		97
85)	Pentachloronitrobenzene	11.75	237	15921	20.83	ng		97
86)	Pronamide	11.73	173	55338	20.03	ng		99
87)	Phenanthrene	11.88	178	183099	20.19	ng		100
88)	Anthracene	11.97	178	193358	19.88	ng		100
89)	Carbazole	12.35	167	189390	19.74	ng		100
90)	Di-n-butyl phthalate	13.23	149	243410	20.31	ng		100
91)	Fluoranthene	14.36	202	202338	19.89	ng		99
93)	Pyrene	14.83	202	213258	19.95	ng		99
95)	Benzidine	14.71	184	39331	26.46	ng		99
96)	Dimethylaminoazobenzene	15.57	225	40857	18.29	ng		97
97)	Butyl benzyl phthalate	16.39	149	123702	21.43	ng		99
98)	Benz(a)anthracene	17.43	228	199725	20.11	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: B052404.RES

Quant Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

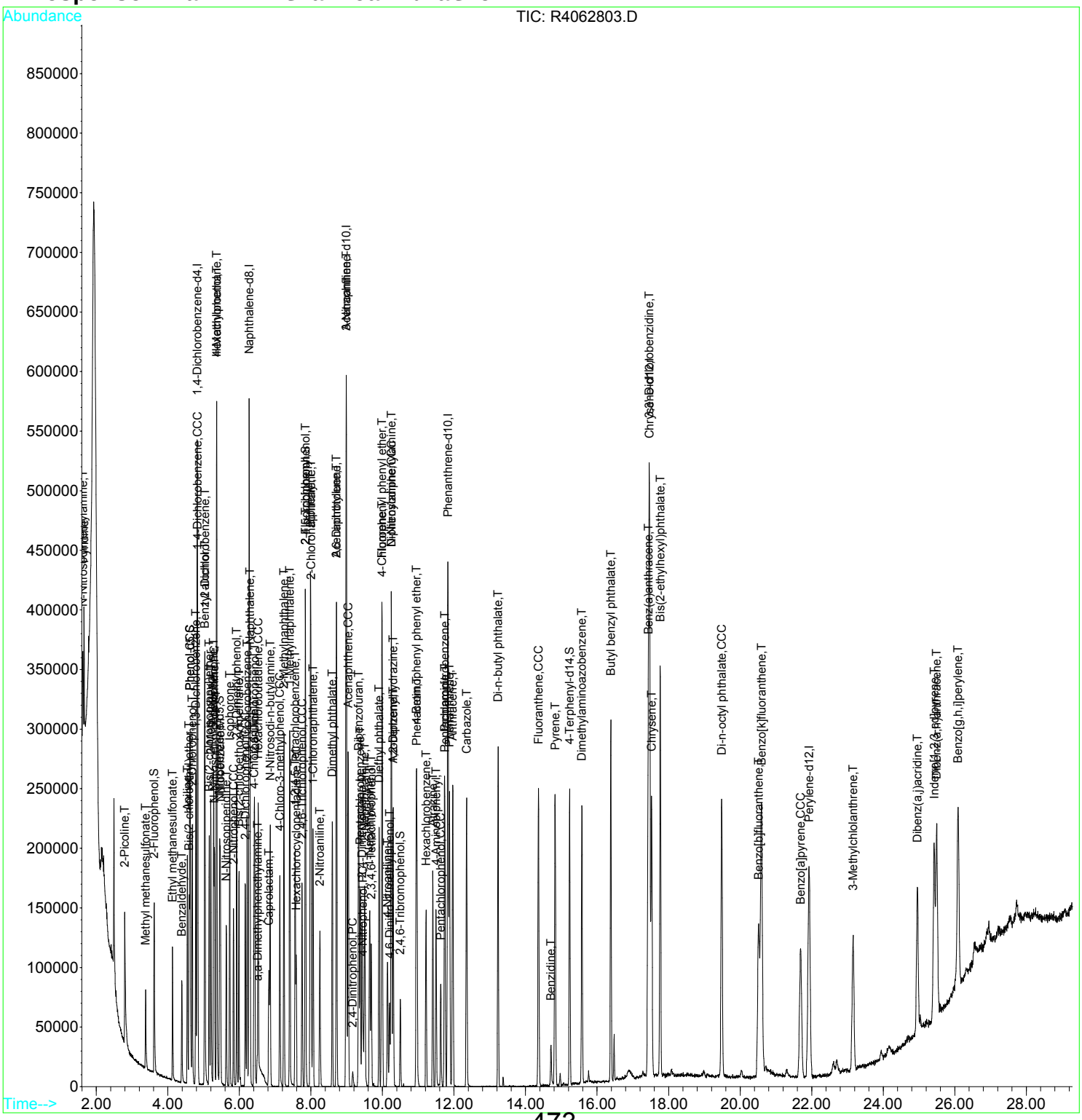
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.45	252	62523	20.76	ng		99
100)	Chrysene	17.52	228	188824	20.46	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.77	149	177731	22.50	ng		100
102)	Di-n-octyl phthalate	19.48	149	292538	22.55	ng		97
103)	3-Methylchlolanthrene	23.15	268	92292	19.76	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.42	276	200991	19.83	ng	#	95
106)	Benzo[b]fluoranthene	20.51	252	186038	20.43	ng		99
107)	Benzo[k]fluoranthene	20.61	252	159196	18.19	ng	#	73
108)	Benzo[a]pyrene	21.69	252	168167	19.86	ng		99
109)	Dibenz(a,j)acridine	24.96	279	139002	19.52	ng		100
110)	Dibenz(a,h)anthracene	25.50	278	167617	19.53	ng		98
111)	Benzo[g,h,i]perylene	26.10	276	168222	19.94	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: B052404.RES

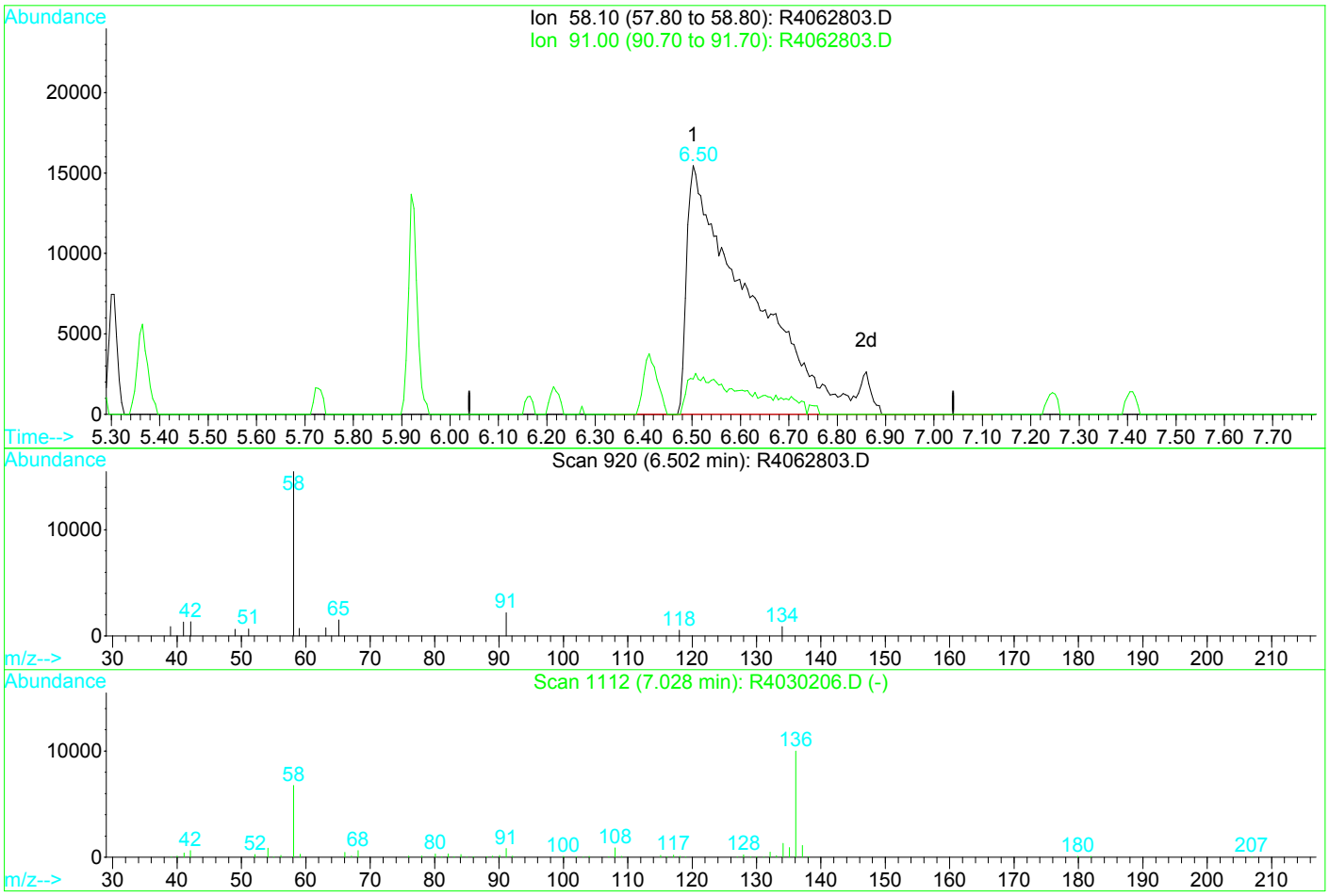
Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 11:04 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 11:03:27 2004
Response via : Multiple Level Calibration



TIC: R4062803.D

(39) a,a-Dimethylphenethylamine (T)

6.50min 17.42ng m

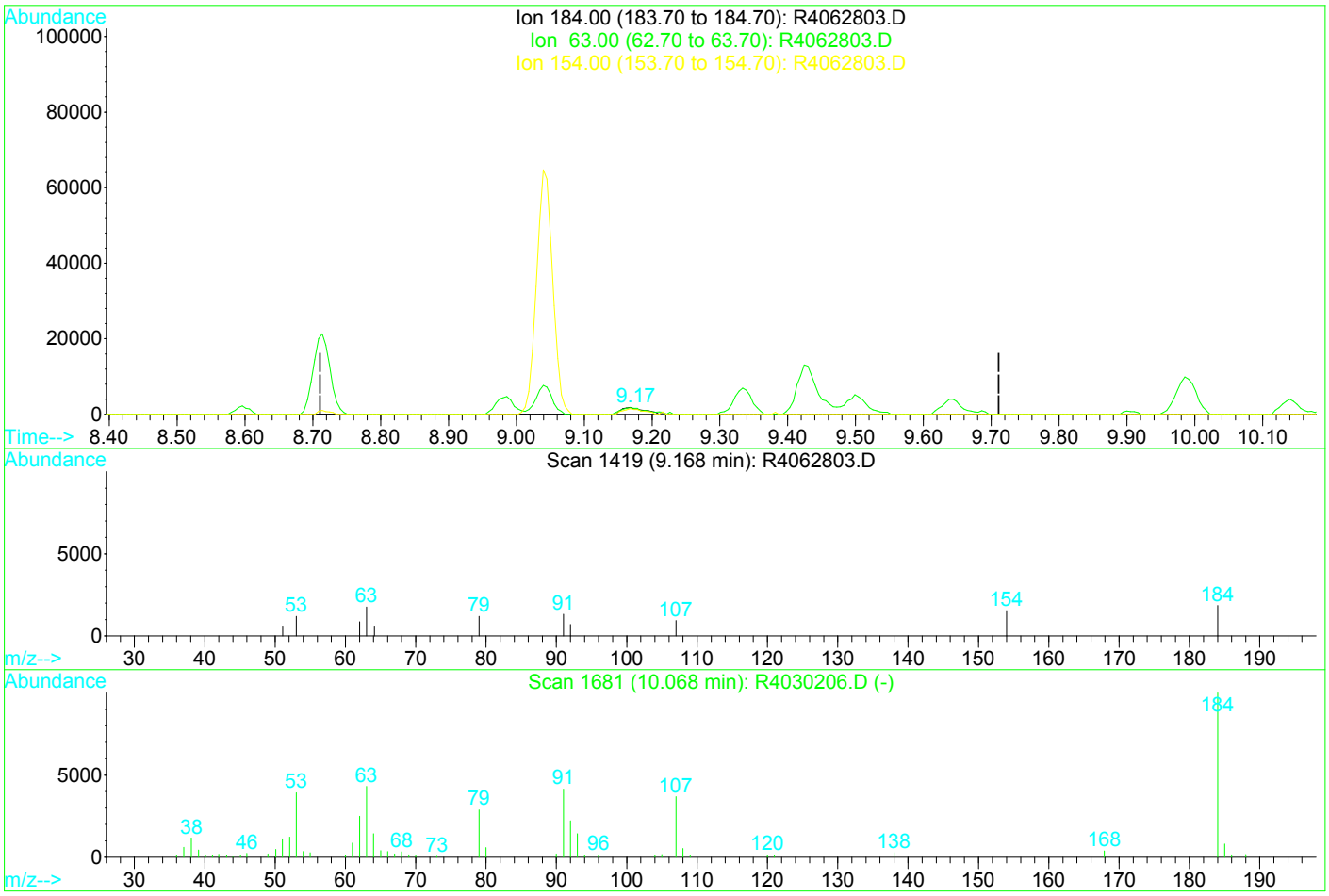
response 139983

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	4.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\R40628\R4062803.D Vial: 2
Acq On : 28 Jun 2004 9:28 am Operator: YH
Sample : BNA20 2271 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 11:01 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B052404.M (RTE Integrator)
Title : MS-10 BNA CURVES
Last Update : Mon Jun 28 14:02:23 2004
Response via : Multiple Level Calibration



TIC: R4062803.D

(64) 2,4-Dinitrophenol (PC)

9.17min 17.83ng m

response 6637

Ion	Exp%	Act%
184.00	100	100
63.00	99.20	73.08#
154.00	69.80	48.27#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062810.D Vial: 9
Acq On : 28 Jun 2004 4:07 pm Operator: YH
Sample : bna5c120 2286 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 16:39 2004 Quant Results File: BADD5CA.RES

Quant Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

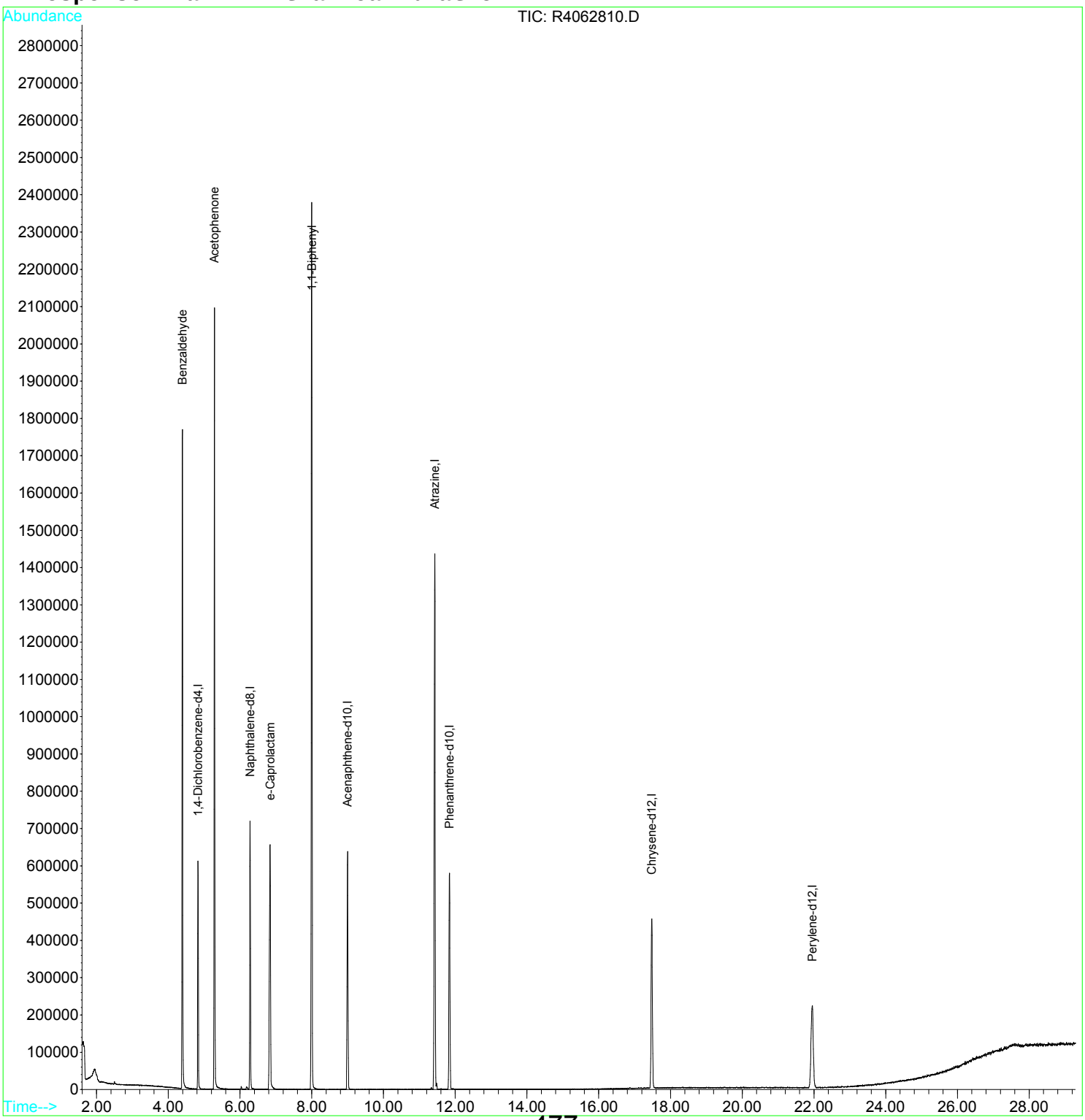
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	112336	40.00	ng	0.01
4) Naphthalene-d8	6.28	136	429777	40.00	ng	0.01
6) Acenaphthene-d10	9.00	164	231564	40.00	ng	0.02
8) Phenanthrene-d10	11.83	188	381127	40.00	ng	0.01
10) Chrysene-d12	17.47	240	332378	40.00	ng	0.02
11) Perylene-d12	21.96	264	289255	40.00	ng	0.05
Target Compounds						Qvalue
2) Benzaldehyde	4.39	105	399687	126.79	ng	98
3) Acetophenone	5.28	105	731979	131.59	ng	99
5) e-Caprolactam	6.83	55	224039	125.39	ng	99
7) 1,1-Biphenyl	8.00	154	1149383	142.64	ng	100
9) Atrazine	11.43	200	288789	137.09	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062810.D Vial: 9
Acq On : 28 Jun 2004 4:07 pm Operator: YH
Sample : bna5c120 2286 Inst : GC/MS 10
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 16:39 2004 Quant Results File: BADD5CA.RES

Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062811.D Vial: 10
Acq On : 28 Jun 2004 4:45 pm Operator: YH
Sample : 0406b33-001b 50x 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 17:52 2004 Quant Results File: BADD5CA.RES

Quant Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

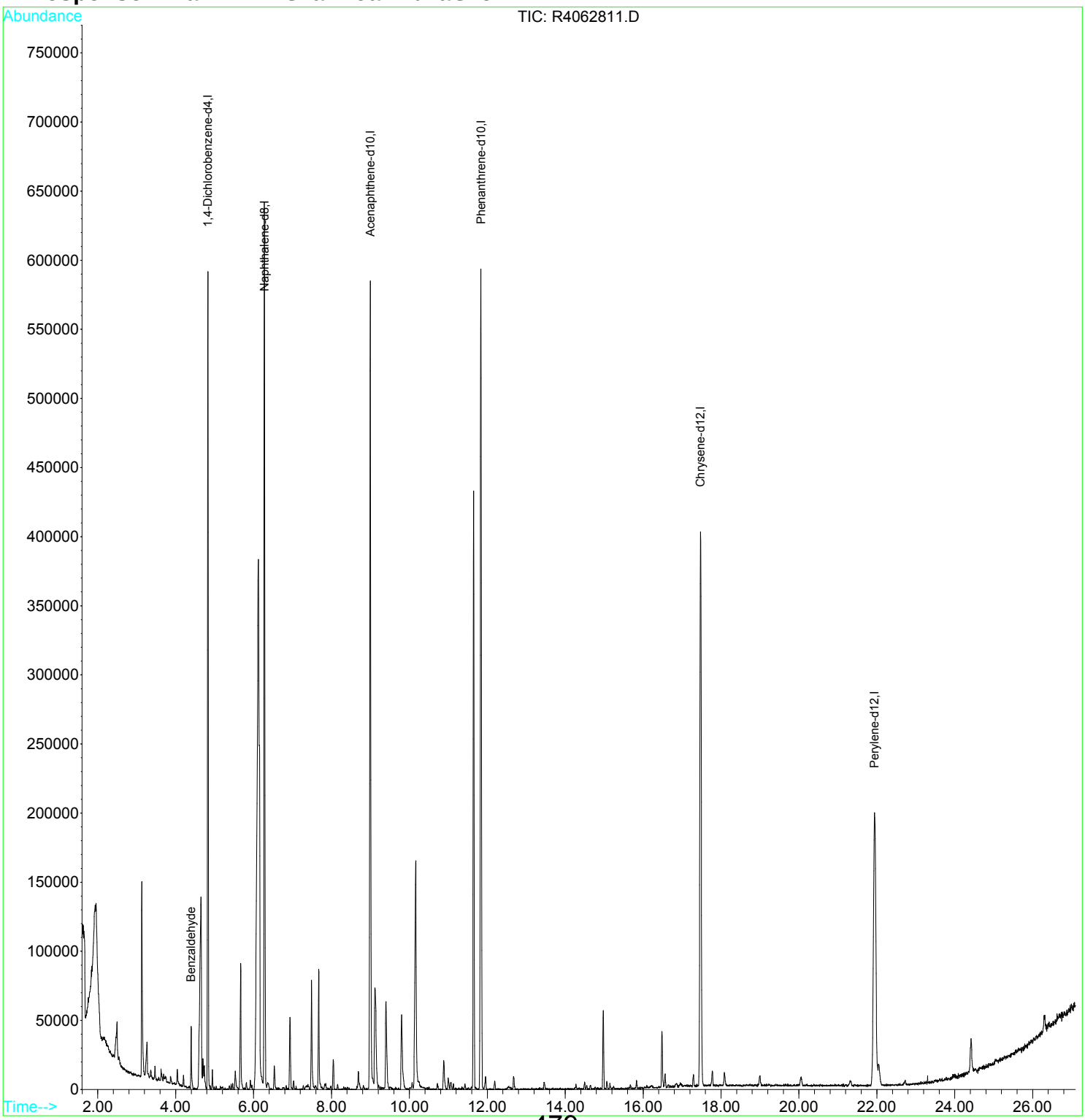
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	104041	40.00	ng	0.01
4) Naphthalene-d8	6.27	136	386098	40.00	ng	0.01
6) Acenaphthene-d10	8.99	164	212077	40.00	ng	0.02
8) Phenanthrene-d10	11.84	188	346059	40.00	ng	0.02
10) Chrysene-d12	17.47	240	297266	40.00	ng	0.02
11) Perylene-d12	21.94	264	260439	40.00	ng	0.03
Target Compounds						Qvalue
2) Benzaldehyde	4.39	105	11803	4.04	ng	94
3) Acetophenone	0.00	105	0	N.D.		
5) e-Caprolactam	0.00	55	0	N.D.	d	
7) 1,1-Biphenyl	0.00	154	0	N.D.		
9) Atrazine	0.00	200	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062811.D Vial: 10
Acq On : 28 Jun 2004 4:45 pm Operator: YH
Sample : 0406b33-001b 50x 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 17:52 2004 Quant Results File: BADD5CA.RES

Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\R40628\R4062812.D Vial: 11
Acq On : 28 Jun 2004 5:23 pm Operator: YH
Sample : 0406b33-001b 5x 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 17:53 2004 Quant Results File: BADD5CA.RES

Quant Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration
DataAcq Meth : &PAH2

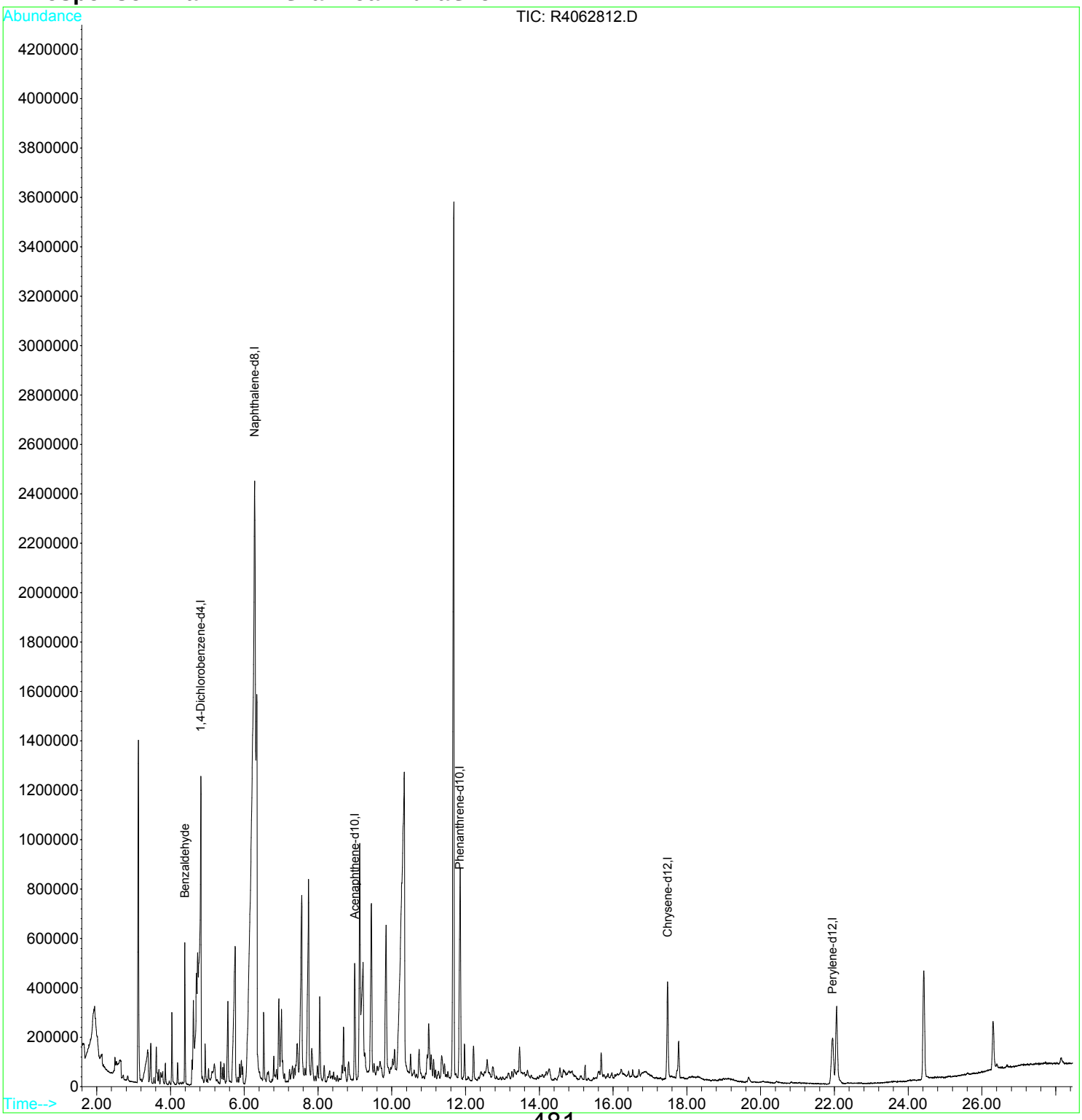
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	77463	40.00	ng	0.01
4) Naphthalene-d8	6.28	136	334663	40.00	ng	0.01
6) Acenaphthene-d10	8.99	164	165239	40.00	ng	0.02
8) Phenanthrene-d10	11.84	188	276940	40.00	ng	0.02
10) Chrysene-d12	17.48	240	250662	40.00	ng	0.02
11) Perylene-d12	21.95	264	241643	40.00	ng	0.04
Target Compounds						Qvalue
2) Benzaldehyde	4.39	105	125064	57.53	ng	97
3) Acetophenone	0.00	105	0	N.D.	d	
5) e-Caprolactam	0.00	55	0	N.D.	d	
7) 1,1-Biphenyl	0.00	154	0	N.D.		
9) Atrazine	0.00	200	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R40628\R4062812.D Vial: 11
Acq On : 28 Jun 2004 5:23 pm Operator: YH
Sample : 0406b33-001b 5x 47036 Inst : GC/MS 10
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 28 17:53 2004 Quant Results File: BADD5CA.RES

Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : CLP 5CMPDS CURVE
Last Update : Mon Jun 28 15:56:11 2004
Response via : Initial Calibration



Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 2:59:35 P**
Prep End Date: **6/24/2004 4:38:24 P**

Prep Batch **47086** Prep Code: **3580A_BNA** Technician: **Chuck Weiss**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003B	Waste		0.001	0	0	10	10000.000	6/24/2004	6/24/2004
0406C14-001D	Waste		0.00106	0	0	10	9433.962	6/24/2004	6/24/2004
0406C14-001DMS	Waste		0.00103	0	0	10	9708.738	6/24/2004	6/24/2004
0406C14-001DMSD	Waste		0.00103	0	0	10	9708.738	6/24/2004	6/24/2004
0406C14-002D	Waste		0.00104	0	0	10	9615.385	6/24/2004	6/24/2004
0406C14-003D	Waste		0.00101	0	0	10	9900.990	6/24/2004	6/24/2004
LCS-47086			0.001	0	0	10	10000.000	6/24/2004	6/24/2004
MB-47086			0.001	0	0	10	10000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47086

Sample ID: **MB-47086** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	100									
2,4,5-Trichlorophenol	BRL	500									
2,4,6-Trichlorophenol	BRL	100									
2,4-Dichlorophenol	BRL	100									
2,4-Dimethylphenol	BRL	100									
2,4-Dinitrophenol	BRL	500									
2,4-Dinitrotoluene	BRL	100									
2,6-Dinitrotoluene	BRL	100									
2-Chloronaphthalene	BRL	100									
2-Chlorophenol	BRL	100									
2-Methylnaphthalene	BRL	100									
2-Methylphenol	BRL	100									
2-Nitroaniline	BRL	500									
2-Nitrophenol	BRL	100									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	500									
4,6-Dinitro-2-methylphenol	BRL	500									
4-Bromophenyl phenyl ether	BRL	100									
4-Chloro-3-methylphenol	BRL	100									
4-Chloroaniline	BRL	100									
4-Chlorophenyl phenyl ether	BRL	100									
4-Methylphenol	BRL	100									
4-Nitroaniline	BRL	500									
4-Nitrophenol	BRL	500									
Acenaphthene	BRL	100									
Acenaphthylene	BRL	100									
Acetophenone	BRL	100									
Anthracene	BRL	100									
Atrazine	BRL	100									
Benz(a)anthracene	BRL	100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47086

Sample ID: **MB-47086** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzaldehyde	BRL	100									
Benzo(a)pyrene	BRL	100									
Benzo(b)fluoranthene	BRL	100									
Benzo(g,h,i)perylene	BRL	100									
Benzo(k)fluoranthene	BRL	100									
Bis(2-chloroethoxy)methane	BRL	100									
Bis(2-chloroethyl)ether	BRL	100									
Bis(2-chloroisopropyl)ether	BRL	100									
Bis(2-ethylhexyl)phthalate	BRL	100									
Butyl benzyl phthalate	BRL	100									
Caprolactam	BRL	100									
Carbazole	BRL	100									
Chrysene	BRL	100									
Dibenz(a,h)anthracene	BRL	100									
Dibenzofuran	BRL	100									
Diethyl phthalate	BRL	100									
Dimethyl phthalate	BRL	100									
Di-n-butyl phthalate	BRL	100									
Di-n-octyl phthalate	BRL	100									
Fluoranthene	BRL	100									
Fluorene	BRL	100									
Hexachlorobenzene	BRL	100									
Hexachlorobutadiene	BRL	100									
Hexachlorocyclopentadiene	BRL	100									
Hexachloroethane	BRL	100									
Indeno(1,2,3-cd)pyrene	BRL	100									
Isophorone	BRL	100									
Naphthalene	BRL	100									
Nitrobenzene	BRL	100									
N-Nitrosodi-n-propylamine	BRL	100									
N-Nitrosodiphenylamine	BRL	100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47086

Sample ID: **MB-47086** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	BRL	500									
Phenanthrene	BRL	100									
Phenol	BRL	100									
Pyrene	BRL	100									
Surr: 2,4,6-Tribromophenol	1052	0	1000	0	105	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	475.7	0	500	0	95.1	12.9	120	0	0		
Surr: 2-Fluorophenol	866.8	0	1000	0	86.7	10	119	0	0		
Surr: 4-Terphenyl-d14	482.2	0	500	0	96.4	41.5	128	0	0		
Surr: Nitrobenzene-d5	519.4	0	500	0	104	10	121	0	0		
Surr: Phenol-d5	892.7	0	1000	0	89.3	12.6	121	0	0		

Sample ID: **LCS-47086** SampType: **LCS** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	867.7	100	1000	0	86.8	33	123	0	0		
2-Chlorophenol	911.9	100	1000	0	91.2	10	118	0	0		
4-Chloro-3-methylphenol	974.4	100	1000	0	97.4	10	138	0	0		
4-Nitrophenol	905.9	500	1000	0	90.6	24.3	135	0	0		
Acenaphthene	928.5	100	1000	0	92.8	17.5	122	0	0		
N-Nitrosodi-n-propylamine	1036	100	1000	0	104	10	129	0	0		
Pentachlorophenol	547.8	500	1000	0	54.8	38.5	128	0	0		
Phenol	846.1	100	1000	0	84.6	10	115	0	0		
Pyrene	927.1	100	1000	0	92.7	58.6	117	0	0		
Surr: 2,4,6-Tribromophenol	985.9	0	1000	0	98.6	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	458.5	0	500	0	91.7	12.9	120	0	0		
Surr: 2-Fluorophenol	765.6	0	1000	0	76.6	10	119	0	0		
Surr: 4-Terphenyl-d14	467.1	0	500	0	93.4	41.5	128	0	0		
Surr: Nitrobenzene-d5	509.2	0	500	0	102	10	121	0	0		
Surr: Phenol-d5	937.4	0	1000	0	93.7	12.6	121	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47086

Sample ID: **0406C14-001DMS** SampType: **MS** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	750.6	97	970.9	0	77.3	29	123	0	0		
2-Chlorophenol	747.7	97	970.9	0	77	10	121	0	0		
4-Chloro-3-methylphenol	787.5	97	970.9	0	81.1	13.6	141	0	0		
4-Nitrophenol	933.5	490	970.9	0	96.2	10.4	152	0	0		
Acenaphthene	805.7	97	970.9	0	83	13.9	121	0	0		
N-Nitrosodi-n-propylamine	871.7	97	970.9	0	89.8	10	130	0	0		
Pentachlorophenol	389.1	97	970.9	0	40.1	30	133	0	0		
Phenol	691.3	97	970.9	0	71.2	10	119	0	0		
Pyrene	774.4	97	970.9	0	79.8	42.4	128	0	0		
Surr: 2,4,6-Tribromophenol	810.2	0	970.9	0	83.4	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	394	0	485.4	0	81.2	12.9	120	0	0		
Surr: 2-Fluorophenol	590.3	0	970.9	0	60.8	10	119	0	0		
Surr: 4-Terphenyl-d14	391.5	0	485.4	0	80.6	41.5	128	0	0		
Surr: Nitrobenzene-d5	410.9	0	485.4	0	84.6	10	121	0	0		
Surr: Phenol-d5	705.3	0	970.9	0	72.6	12.6	121	0	0		

Sample ID: **0406C14-001DMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	786.1	97	970.9	0	81	29	123	750.6	4.62	26.1	
2-Chlorophenol	776.8	97	970.9	0	80	10	121	747.7	3.82	53.1	
4-Chloro-3-methylphenol	848.4	97	970.9	0	87.4	13.6	141	787.5	7.45	34.7	
4-Nitrophenol	973.8	490	970.9	0	100	10.4	152	933.5	4.22	28.7	
Acenaphthene	849	97	970.9	0	87.4	13.9	121	805.7	5.23	49	
N-Nitrosodi-n-propylamine	875.8	97	970.9	0	90.2	10	130	871.7	0.467	46.5	
Pentachlorophenol	455.5	97	970.9	0	46.9	30	133	389.1	15.7	26.9	
Phenol	661.2	97	970.9	0	68.1	10	119	691.3	4.45	47.1	
Pyrene	834.9	97	970.9	0	86	42.4	128	774.4	7.52	23.9	
Surr: 2,4,6-Tribromophenol	859.2	0	970.9	0	88.5	35.5	131	810.2	0	0	
Surr: 2-Fluorobiphenyl	419.7	0	485.4	0	86.5	12.9	120	394	0	0	

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47086

Sample ID: **0406C14-001DMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	619.2	0	970.9	0	63.8	10	119	590.3	0	0	
Surr: 4-Terphenyl-d14	420.4	0	485.4	0	86.6	41.5	128	391.5	0	0	
Surr: Nitrobenzene-d5	439.4	0	485.4	0	90.5	10	121	410.9	0	0	
Surr: Phenol-d5	723	0	970.9	0	74.5	12.6	121	705.3	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: D:\MSDCHEM\DATA\S40227

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	S022701.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 10:56
2	1	S022702.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 11:33
3	2	S022703.d	1.	BNA40 2216	CCV 8270_PAH_W	27 Feb 2004 12:11
4	1	S022704.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 12:48
5	2	S022705.d	1.	BNA10 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 13:15
6	3	S022706.d	1.	BNA20 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 13:53
7	4	S022707.d	1.	BNA40 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 14:30
8	5	S022708.d	1.	BNA60 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 15:07
9	6	S022709.d	1.	BNA80 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 15:44
10	7	S022710.d	1.	BNA120 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 16:22
11	8	S022711.d	1.	BNA160 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 16:59
12	9	S022712.d	1.	BNA120 2202	ICV 8270_TCL4.2_W	27 Feb 2004 17:36
13	10	S022713.d	1.	BNA40 2202	ICV 8270_TCL4.2_W	27 Feb 2004 18:13
14	11	S022714.d	1.	625SPIKETEST 2252	ICV 8270_TCL4.2_W	27 Feb 2004 18:51
15	12	S022715.d	1.	MBLK	MBLK 8270_TCL4.2_S	27 Feb 2004 19:29
16	13	S022716.d	1.	0402999-002B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 20:06
17	14	S022717.d	1.	0402999-003B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 20:44
18	15	S022718.d	1.	0402999-004B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 21:21
19	16	S022719.d	1.	0402999-006B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 21:59
20	17	S022720.d	1.	0402999-011B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 22:37
21	18	S022721.d	1.	0402999-011B 100X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 23:14
22	19	S022722.d	1.	0402999-003B 100X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 23:52

Calibration Status Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	160	160	40	D:\MSDCHEM\DATA\S40227\S022711.D
2	60	60	40	D:\MSDCHEM\DATA\S40227\S022708.D
3	40	40	40	D:\MSDCHEM\DATA\S40227\S022707.D
4	120	120	40	D:\MSDCHEM\DATA\S40227\S022710.D
5	80	80	40	D:\MSDCHEM\DATA\S40227\S022709.D
6	10	10	40	D:\MSDCHEM\DATA\S40227\S022705.D
7	20	20	40	D:\MSDCHEM\DATA\S40227\S022706.D

#	ID	Update Time	Quant Time	Acquisition Time
1	160	Mar 01 08:53 2004	Mar 01 08:53 2004	27 Feb 2004 4:59 pm
2	60	Mar 01 08:54 2004	Mar 01 08:48 2004	27 Feb 2004 3:07 pm
3	40	Mar 01 08:54 2004	Mar 01 08:46 2004	27 Feb 2004 2:30 pm
4	120	Mar 01 08:55 2004	Mar 01 08:51 2004	27 Feb 2004 4:22 pm
5	80	Mar 01 08:55 2004	Mar 01 08:49 2004	27 Feb 2004 3:44 pm
6	10	Mar 01 08:54 2004	Mar 01 08:43 2004	27 Feb 2004 1:15 pm
7	20	Mar 01 09:32 2004	Mar 01 09:32 2004	27 Feb 2004 1:53 pm

B022704.M Mon Mar 01 09:55:31 2004

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		Pyridine	1.188	1.155	1.145	1.174	1.178	0.978	1.128	6.72
3)	T	2-Picoline	1.268	1.251	1.192	1.256	1.280	1.035	1.202	7.49
4)	T	Methyl methanes	0.754	0.770	0.746	0.760	0.761	0.601	0.725	8.52
5)	S	2-Fluorophenol	1.194	1.175	1.163	1.193	1.184	0.894	1.117	10.40
6)	T	Ethyl methanesu	0.999	1.010	0.981	1.004	1.001	0.858	0.966	6.07
7)		Benzaldehyde		0.923	0.979	0.628	0.822	0.849	0.855	14.60
8)	T	Aniline	0.799	0.763	0.759	0.819	0.810	0.635	0.749	9.79
9)	S	Phenol-d5	1.590	1.600	1.587	1.617	1.621	1.369	1.553	5.94
10)	CCC	Phenol	1.692	1.725	1.668	1.719	1.735	1.314	1.647	9.05
11)	T	Bis(2-chloroeth	1.077	1.095	1.093	1.103	1.108	0.996	1.060	5.90
12)	T	2-Chlorophenol	1.363	1.395	1.385	1.378	1.386	1.242	1.350	4.24
13)	T	1,3-Dichloroben	1.483	1.545	1.536	1.508	1.534	1.479	1.511	1.83
14)	CCC	1,4-Dichloroben	1.538	1.592	1.561	1.548	1.581	1.583	1.570	1.34
15)	T	1,2-Dichloroben	1.422	1.489	1.509	1.457	1.483	1.429	1.465	2.16
16)	T	Benzyl alcohol	0.906	0.898	0.890	0.910	0.912	0.698	0.859	9.44
17)	T	Bis(2-chloroiso	2.139	2.228	2.253	2.168	2.222	2.177	2.197	1.80
18)	T	2-Methylphenol	1.040	1.064	1.076	1.062	1.063	1.043	1.051	2.19
19)	T	3&4-Methylpheno	1.237	1.286	1.296	1.275	1.284	1.229	1.272	2.19
20)	PC	N-Nitrosodi-n-p	1.039	1.074	1.080	1.055	1.068	1.005	1.051	2.49
21)	T	N-Nitrosodimeth	0.558	0.586	0.546	0.554	0.532	0.400	0.524	11.83
22)	T	Hexachloroethan	0.578	0.599	0.598	0.582	0.594	0.589	0.590	1.34
23)	I	Naphthalene-d8	----------	ISTD	----------					
24)	S	Nitrobenzene-d5	0.406	0.415	0.411	0.414	0.417	0.363	0.402	4.92
25)	T	Acetophenone	0.491	0.514	0.514	0.507	0.517	0.490	0.504	2.31
26)	M	Nitrobenzene	0.403	0.425	0.422	0.404	0.420	0.419	0.411	3.57
27)	T	N-Nitrosopiperi	0.181	0.185	0.181	0.182	0.184	0.157	0.177	5.67
28)	T	Isophorone	0.715	0.735	0.734	0.728	0.738	0.692	0.722	2.34
29)	CCC	2-Nitrophenol	0.204	0.210	0.203	0.208	0.209	0.162	0.197	9.11
30)	T	2,4-Dimethylphe	0.321	0.332	0.330	0.327	0.331	0.296	0.321	4.19
31)	T	Bis(2-chloroeth	0.405	0.420	0.414	0.409	0.416	0.369	0.404	4.33
32)	CCC	2,4-Dichlorophe	0.311	0.322	0.313	0.316	0.322	0.271	0.307	6.02
33)	T	1,2,4-Trichloro	0.339	0.357	0.350	0.346	0.355	0.335	0.346	2.48
34)	T	Naphthalene	1.070	1.136	1.140	1.102	1.128	1.108	1.112	2.23
35)	T	Benzoic acid	0.114			0.087	0.017		0.073	69.38
36)	T	2,6-Dichlorophe	0.300	0.316	0.314	0.305	0.314	0.287	0.305	3.46
37)	T	4-Chloroaniline	0.426	0.461	0.456	0.449	0.460	0.402	0.441	4.92

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
38)	CCC	Hexachlorobutad	0.200	0.208	0.209	0.206	0.205	0.201	0.204	1.80
39)	T	a,a-Dimethylphe	0.959	0.926	0.955	1.000	0.932	0.779	0.917	7.91
40)		Caprolactam	0.206	0.203	0.203	0.210	0.210	0.158	0.195	10.28
41)	CCC	4-Chloro-3-meth	0.321	0.324	0.322	0.326	0.327	0.275	0.313	6.31
42)	T	N-Nitrosodi-n-b	0.340	0.348	0.357	0.347	0.347	0.330	0.339	4.83
43)	T	2-Methylnaphtha	0.713	0.760	0.752	0.737	0.744	0.720	0.737	2.24
44)	T	1-Methylnaphtha	0.714	0.761	0.756	0.734	0.751	0.720	0.739	2.43
45)	I	Acenaphthene-d10	----------ISTD----------							
46)	T	1,2,4,5-Tetrach	0.579	0.606	0.608	0.586	0.606	0.602	0.596	1.98
47)	PC	Hexachlorocyclo	0.274	0.256	0.229	0.271	0.263	0.157	0.234	19.60
48)	CCC	2,4,6-Trichloro	0.380	0.388	0.380	0.391	0.392	0.352	0.376	4.72
49)	T	2,4,5-Trichloro	0.418	0.427	0.433	0.427	0.433	0.379	0.417	4.81
50)	S	2-Fluorobipheny	1.344	1.432	1.417	1.372	1.409	1.404	1.394	2.17
51)		Biphenyl	1.599	1.722	1.721	1.646	1.703	1.702	1.683	2.67
52)	T	2-Chloronaphtha	1.099	1.197	1.196	1.138	1.178	1.154	1.161	2.99
53)	T	1-Chloronaphtha	1.082	1.155	1.148	1.110	1.142	1.182	1.137	2.84
54)	T	2-Nitroaniline	0.364	0.361	0.349	0.365	0.364	0.275	0.342	9.96
55)	T	3-Nitroaniline	0.341	0.340	0.333	0.348	0.347	0.240	0.320	12.46
56)	T	Pentachlorobenz	0.517	0.546	0.543	0.531	0.543	0.530	0.534	1.94
57)	T	4-Nitroaniline	0.344	0.339	0.328	0.354	0.350	0.213	0.318	15.87
58)	T	2-Naphthylamine	1.017	1.160	1.198	1.090	1.147	1.111	1.124	5.21
59)	T	1-Naphthylamine	1.021	1.211	1.245	1.091	1.189	1.139	1.154	6.68
60)	T	Dimethyl phthal	1.303	1.357	1.335	1.316	1.353	1.275	1.317	2.48
61)	T	Acenaphthylene	1.597	1.684	1.663	1.640	1.663	1.563	1.632	2.64
62)	T	2,6-Dinitrotolu	0.297	0.304	0.300	0.306	0.307	0.262	0.294	5.69
63)	CCC	Acenaphthene	1.122	1.183	1.168	1.150	1.178	1.175	1.159	1.98
64)	PC	2,4-Dinitrophen	0.215	0.166	0.130	0.202	0.182		0.157	38.51#
65)	T	Dibenzofuran	1.635	1.710	1.720	1.672	1.708	1.652	1.679	2.01
66)	PC	4-Nitrophenol	0.238	0.198	0.241	0.233	0.220	0.165	0.217	12.45
67)	M	2,4-Dinitrotolu	0.422	0.420	0.418	0.430	0.434	0.319	0.404	10.15
68)	T	2,3,4,6-Tetrach	0.360	0.358	0.356	0.365	0.365	0.290	0.345	8.18
69)	T	Diethyl phthala	1.305	1.350	1.361	1.341	1.363	1.277	1.328	2.59
70)	T	Fluorene	1.375	1.474	1.459	1.425	1.451	1.413	1.430	2.37
71)	T	4-Chlorophenyl	0.659	0.704	0.709	0.683	0.704	0.682	0.690	2.52
72)	S	2,4,6-Tribromop	0.209	0.208	0.206	0.213	0.209	0.174	0.202	6.87
73)	I	Phenanthrene-d10	----------ISTD----------							
74)	T	4,6-Dinitro-2-m	0.170	0.160	0.146	0.170	0.163	0.064	0.140	28.72

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
75)	T	Azobenzene	0.733	0.774	0.777	0.752	0.770	0.731	0.755	2.54
76)	T	1,2-Diphenylhyd	0.220	0.232	0.226	0.223	0.225	0.211	0.222	3.30
77)	CCC	Diphenylamine	0.146	0.158	0.159	0.151	0.153	0.149	0.152	2.95
78)	T	N-Nitrosodiphen	0.729	0.784	0.782	0.750	0.765	0.733	0.756	2.90
79)	T	4-Bromophenyl p	0.233	0.241	0.237	0.235	0.237	0.217	0.232	3.60
80)	T	Phenacetin	0.379	0.371	0.361	0.378	0.377	0.261	0.348	13.05
81)	T	Hexachlorobenze	0.234	0.246	0.243	0.235	0.240	0.237	0.238	2.00
82)		Atrazine	0.228	0.243	0.243	0.236	0.240	0.221	0.234	3.75
83)	T	4-Aminobiphenyl	0.710	0.817	0.832	0.760	0.799	0.751	0.778	5.39
84)	CCC	Pentachlorophen	0.162	0.146	0.132	0.158	0.149	0.058	0.129	29.61#
85)	T	Pentachloronitr	0.101	0.105	0.104	0.103	0.102	0.094	0.101	3.95
86)	T	Pronamide	0.338	0.349	0.346	0.342	0.347	0.302	0.335	5.24
87)	T	Phenanthrene	1.154	1.213	1.218	1.168	1.197	1.185	1.187	1.96
88)	T	Anthracene	1.149	1.206	1.210	1.174	1.192	1.143	1.178	2.23
89)	T	Carbazole	1.100	1.119	1.124	1.114	1.122	1.024	1.094	3.51
90)	T	Di-n-butyl phth	1.272	1.342	1.321	1.296	1.331	1.178	1.282	4.62
91)	CCC	Fluoranthene	1.347	1.406	1.397	1.369	1.400	1.260	1.356	3.97
92)	I	Chrysene-d12	----------ISTD----------							
93)	T	Pyrene	1.308	1.354	1.369	1.330	1.341	1.308	1.334	1.69
94)	S	4-Terphenyl-d14	0.945	0.979	0.985	0.965	0.972	0.936	0.963	1.82
95)	T	Benzidine	0.368	0.509	0.539	0.456	0.480	0.589	0.499	14.63
96)	T	Dimethylaminoaz	0.292	0.297	0.297	0.298	0.299	0.257	0.287	5.80
97)	T	Butyl benzyl ph	0.581	0.591	0.584	0.589	0.587	0.538	0.574	3.68
98)	T	Benz(a)anthrace	1.311	1.355	1.348	1.336	1.345	1.278	1.322	2.47
99)	T	3,3'-Dichlorobe	0.446	0.494	0.497	0.473	0.489	0.469	0.476	3.93
100)	T	Chrysene	1.223	1.282	1.302	1.249	1.267	1.284	1.267	2.06
101)	T	Bis(2-ethylhexy	0.808	0.834	0.820	0.824	0.827	0.784	0.810	2.89
102)	CCC	Di-n-octyl phth	1.466	1.502	1.454	1.490	1.498	1.378	1.451	3.80
103)	T	3-Methylcholant	0.659	0.630	0.610	0.653	0.629	0.574	0.618	5.52
104)	T	Indeno[1,2,3-cd	1.520	1.352	1.301	1.477	1.369	1.219	1.352	8.61
105)	I	Perylene-d12	----------ISTD----------							
106)	T	Benzo[b]fluoran	1.677	1.667	1.678	1.652	1.716	1.532	1.637	4.42
107)	T	Benzo[k]fluoran	1.618	1.783	1.612	1.654	1.719	1.598	1.656	4.22
108)	CCC	Benzo[a]pyrene	1.543	1.597	1.585	1.569	1.589	1.451	1.547	3.54
109)	T	Dibenz(a,j)acri	1.482	1.395	1.383	1.481	1.415	1.256	1.387	6.15
110)	T	Dibenz(a,h)anth	1.652	1.594	1.602	1.657	1.604	1.464	1.580	4.75
111)	T	Benzo[g,h,i]per	1.811	1.685	1.675	1.796	1.714	1.567	1.691	5.53

(#) = Out of Range ### Number of calibration levels exceeded format ###

Area Percent Report

Data File : D:\MSDCHEM\DATA\S40227\S022704.D Vial: 1
Acq On : 27 Feb 2004 12:48 pm Operator: YH
Sample : DFTPP 2211 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

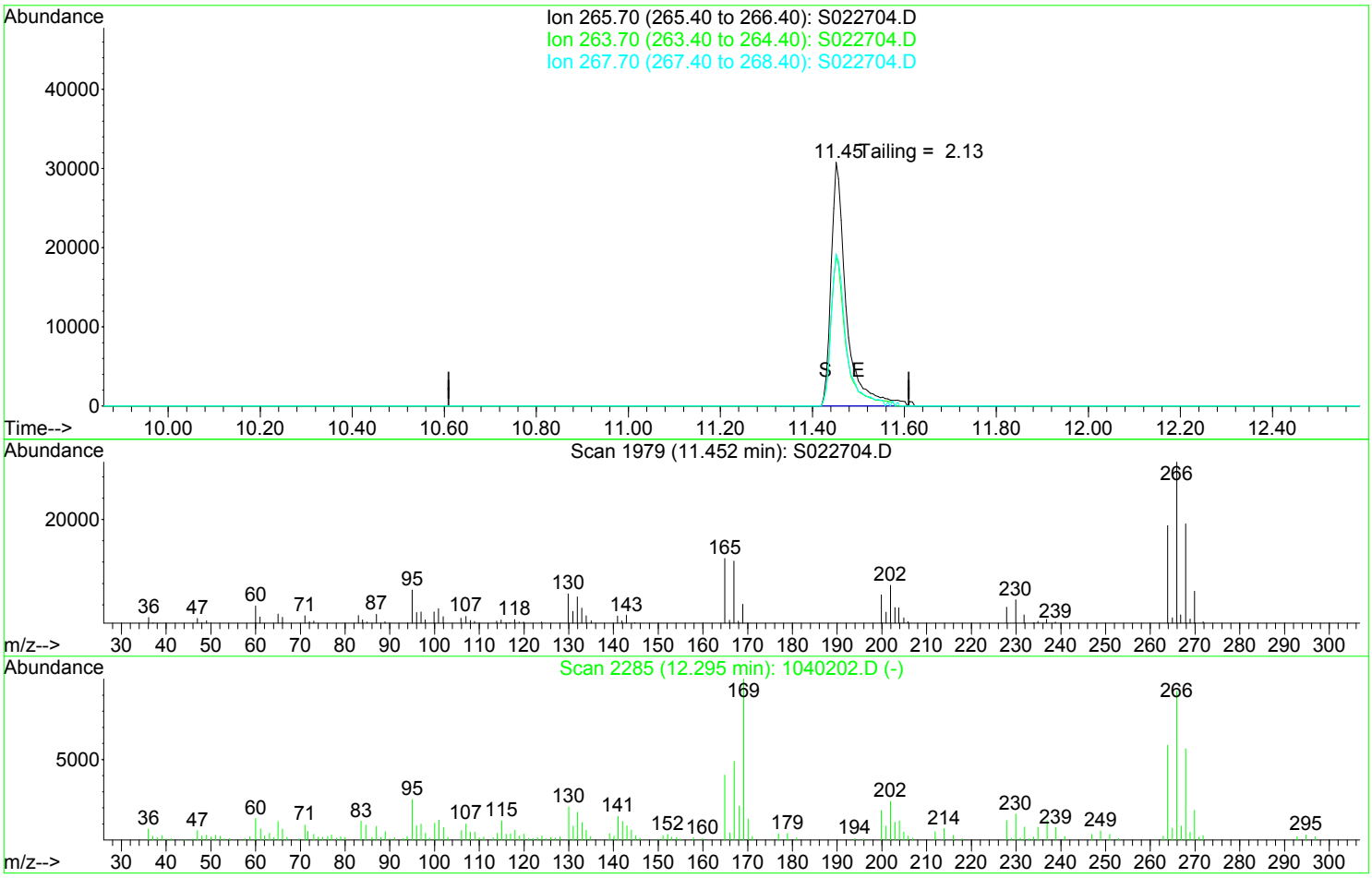
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.557	310	314	399	rVB	222744	1188392	86.82%	24.013%
2	11.452	1972	1979	2008	rBB	235614	482941	35.28%	9.759%
3	12.579	2183	2190	2198	rBB2	497278	772254	56.42%	15.605%
4	14.545	2549	2558	2588	rBV	481425	1136443	83.02%	22.964%
5	16.367	2890	2899	2908	rBV	718163	1368847	100.00%	27.660%

Sum of corrected areas: 4948877

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022704.D Vial: 1
Acq On : 27 Feb 2004 12:48 pm Operator: YH
Sample : DFTPP 2211 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:24 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Sep 26 09:38:04 2003
Response via : Multiple Level Calibration



TIC: S022704.D

(3) Pentachlorophenol (CCC)

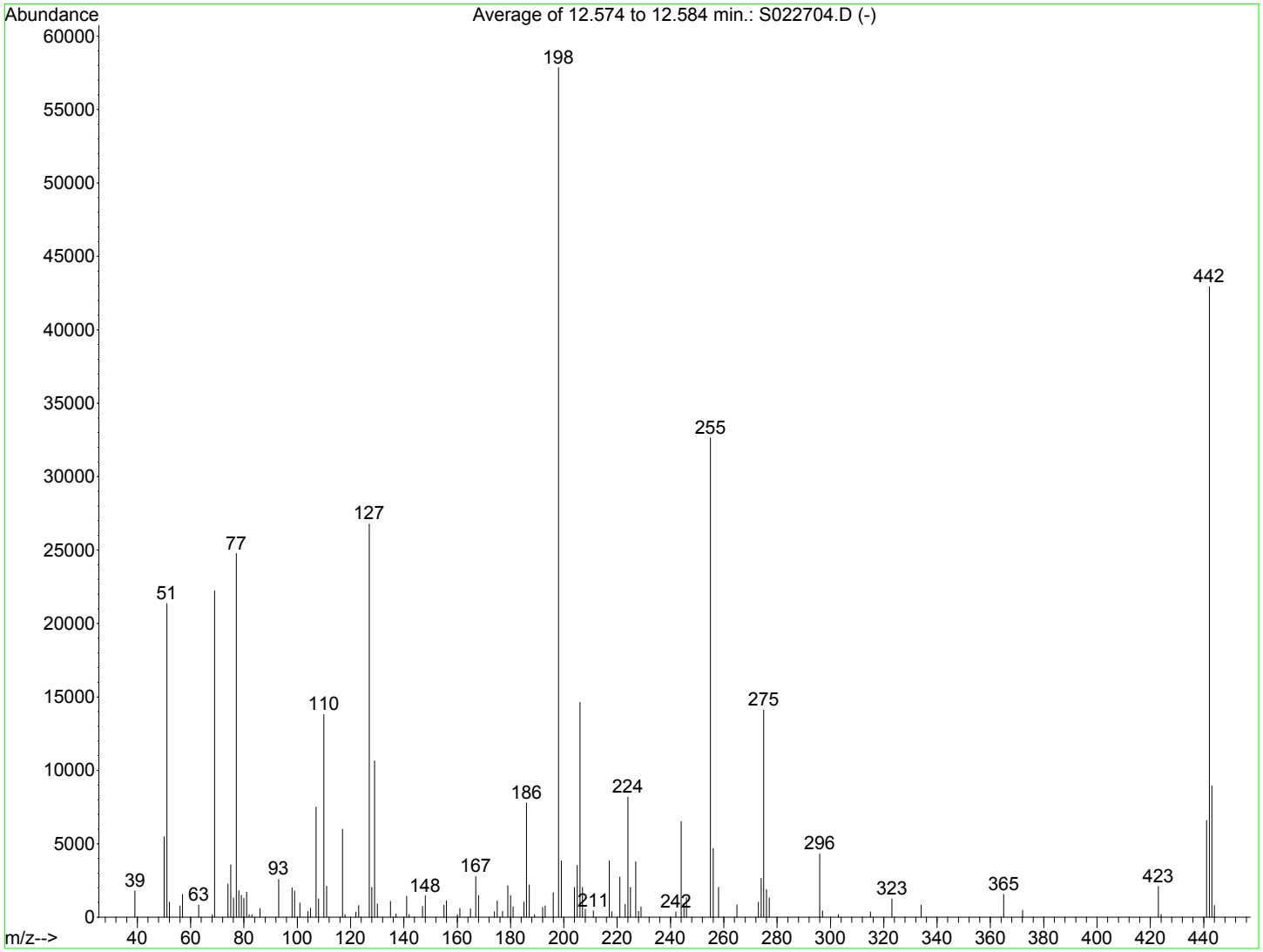
11.45min 0.00ng

response 70345

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	61.11
267.70	63.60	62.56
0.00	0.00	0.00

DFTPP 625 Results

D:\MSDCHEM\DATA\S40227\S022704.D **Mon Mar 01 09:26:52 2004**



Peak Apex is scan: 2190
Average of 3 scans: 2189,2190,2191 minus background scan 2182

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	36.9	PASS
68	69	0	2	0.8	PASS
69	198	0	100	38.4	PASS
70	69	0	2	0.0	PASS
127	198	40	60	46.3	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.6	PASS
275	198	10	30	24.4	PASS
365	198	1	100	2.7	PASS
441	443	0	100	73.8	PASS
442	198	40	100	74.2	PASS
443	442	17	23	20.8	PASS

Information from Data File:
File: D:\MSDCHEM\DATA\S40227\S022704.D
Operator: YH
Date Acquired: 27 Feb 2004 12:48 pm
Method File: &RTX5
Sample Name: DFTPP 2211
Misc Info: TUNE DFTPP_4
Vial Number: 1

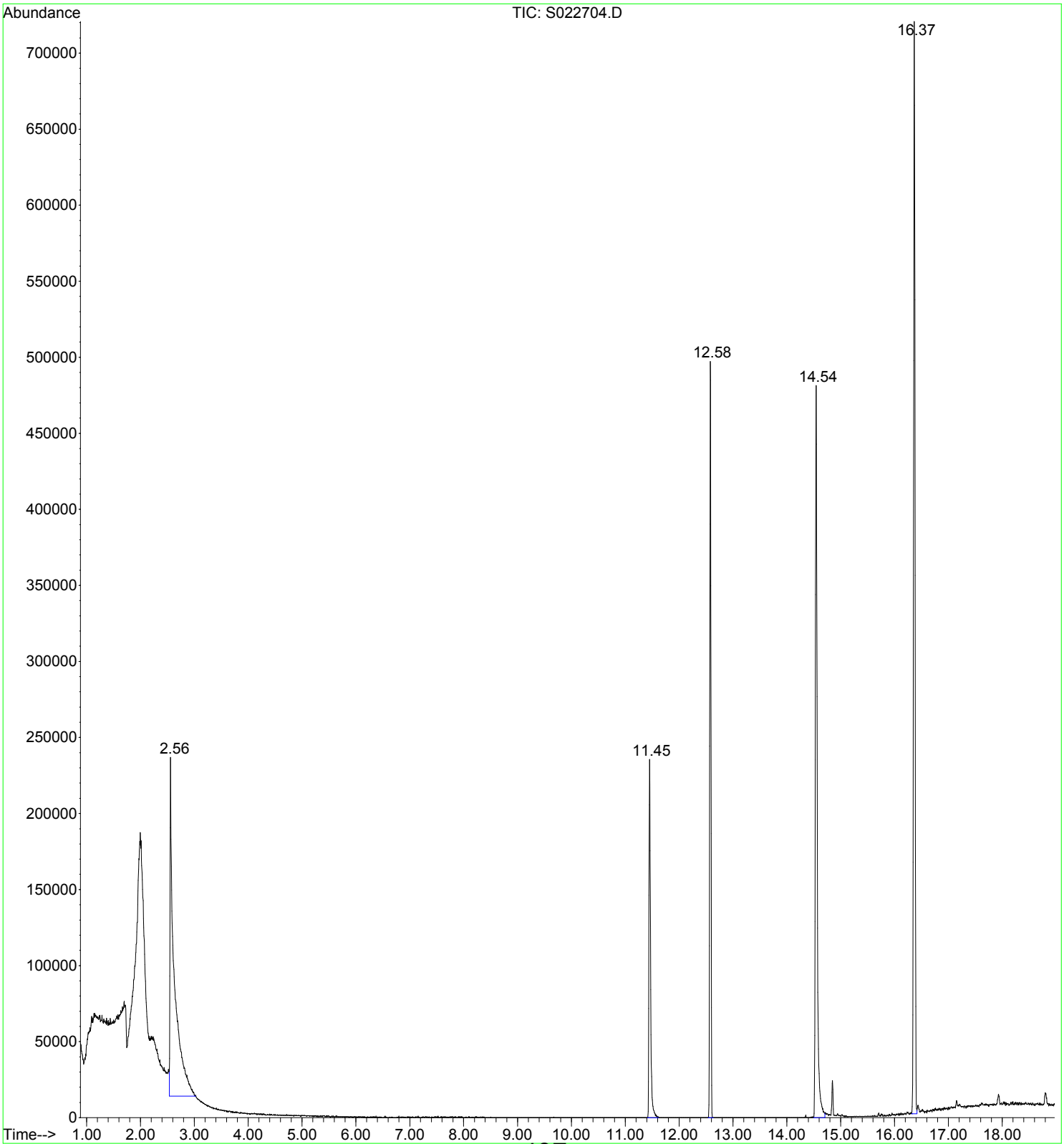
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	2.56	24.01	C:\DATABASE\NIST98.L			
			Methylene Chloride	111039	000075-09-2	95
			Methylene Chloride	12327	000075-09-2	94
			Methylene Chloride	111041	000075-09-2	91
2	11.45	9.76	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	91
3	12.58	15.60	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	98
4	14.54	22.96	C:\DATABASE\NIST98.L			
			Benzidine	78849	000092-87-5	96
			Benzidine	125573	000092-87-5	95
			Benzidine	125547	000092-87-5	94
5	16.37	27.66	C:\DATABASE\NIST98.L			
			o,p'-DDT	90534	000789-02-6	92
			Chlorophenothane	127287	000050-29-3	91
			Technical chlorophenothane	90477	008017-34-3	91

Area Percent Report

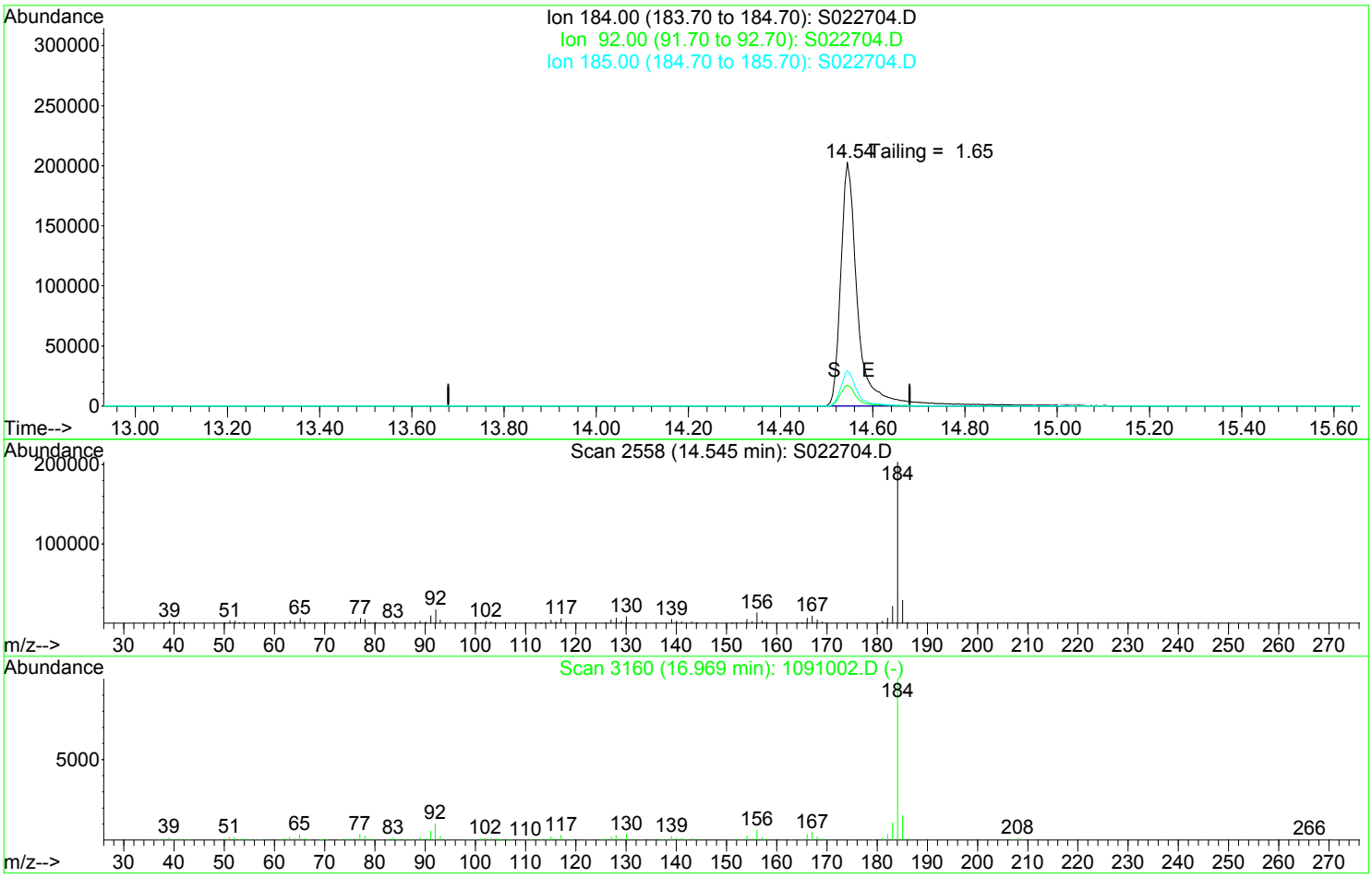
Data File : D:\MSDCHEM\DATA\S40227\S022704.D **Vial: 1**
Acq On : 27 Feb 2004 12:48 pm **Operator: YH**
Sample : DFTPP 2211 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022704.D **Vial: 1**
Acq On : 27 Feb 2004 12:48 pm **Operator: YH**
Sample : DFTPP 2211 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:24 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Sep 26 09:38:04 2003
Response via : Multiple Level Calibration



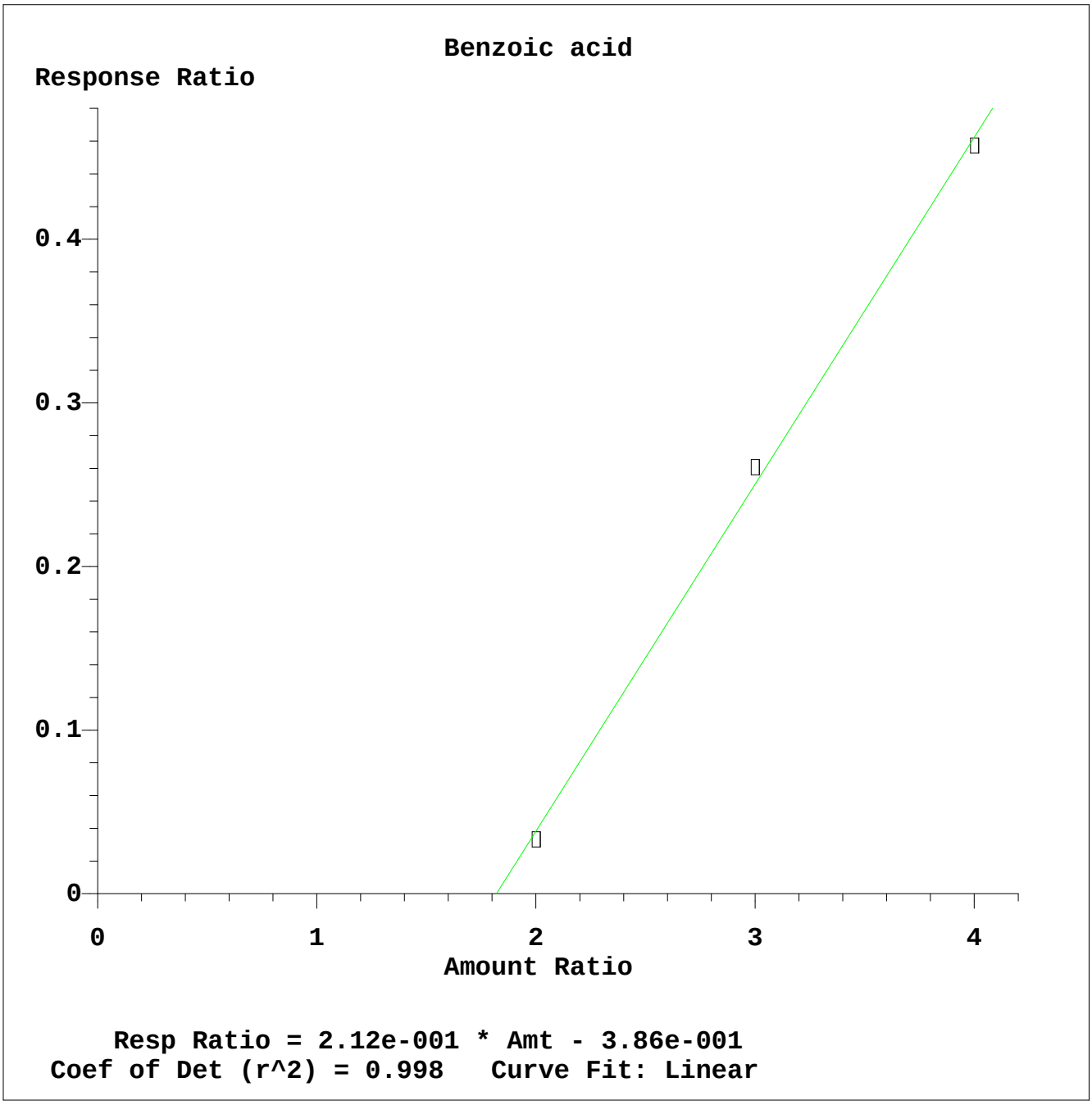
TIC: S022704.D

(6) Benzidine (T)

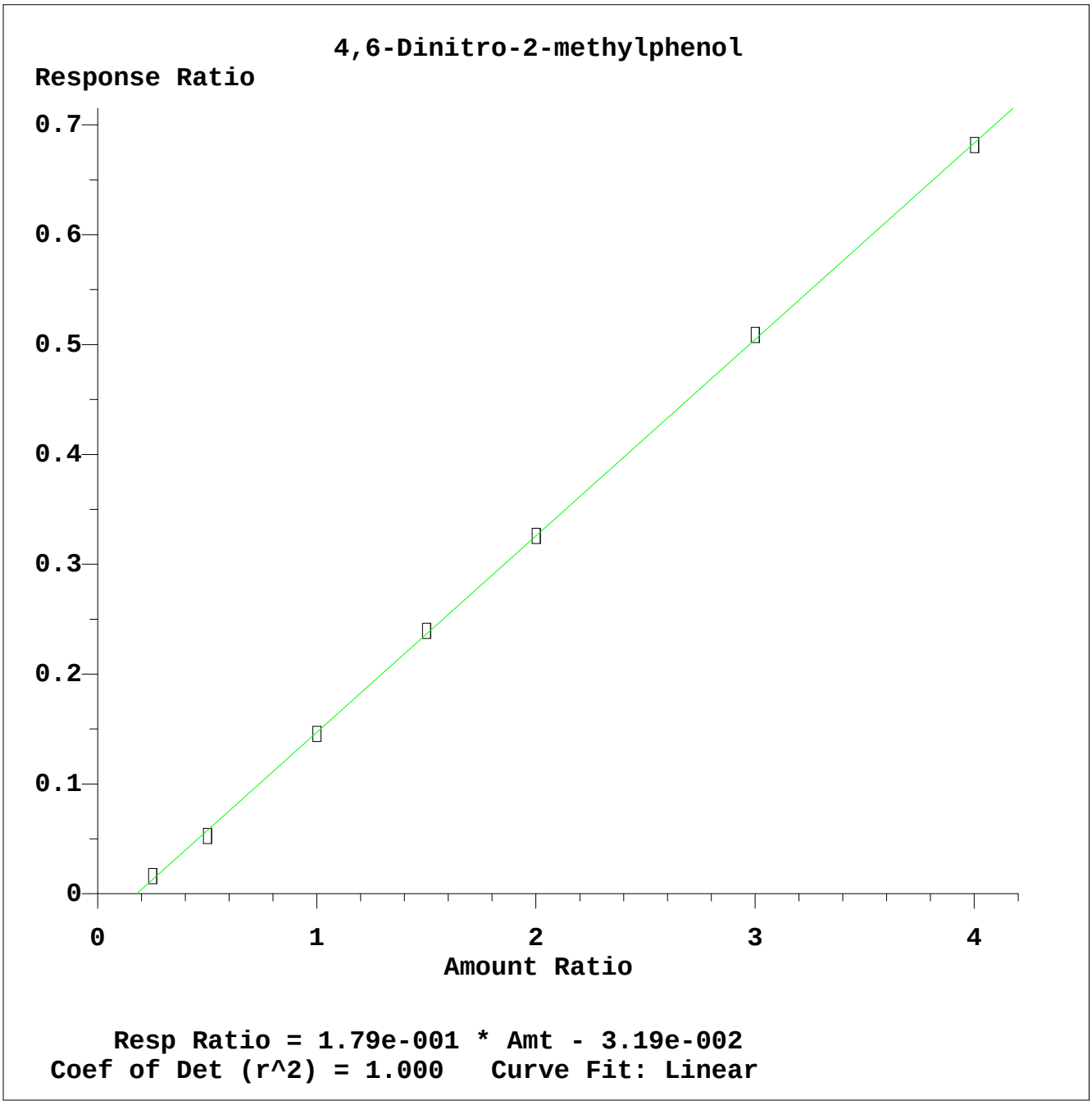
14.54min 0.00ng

response 498873

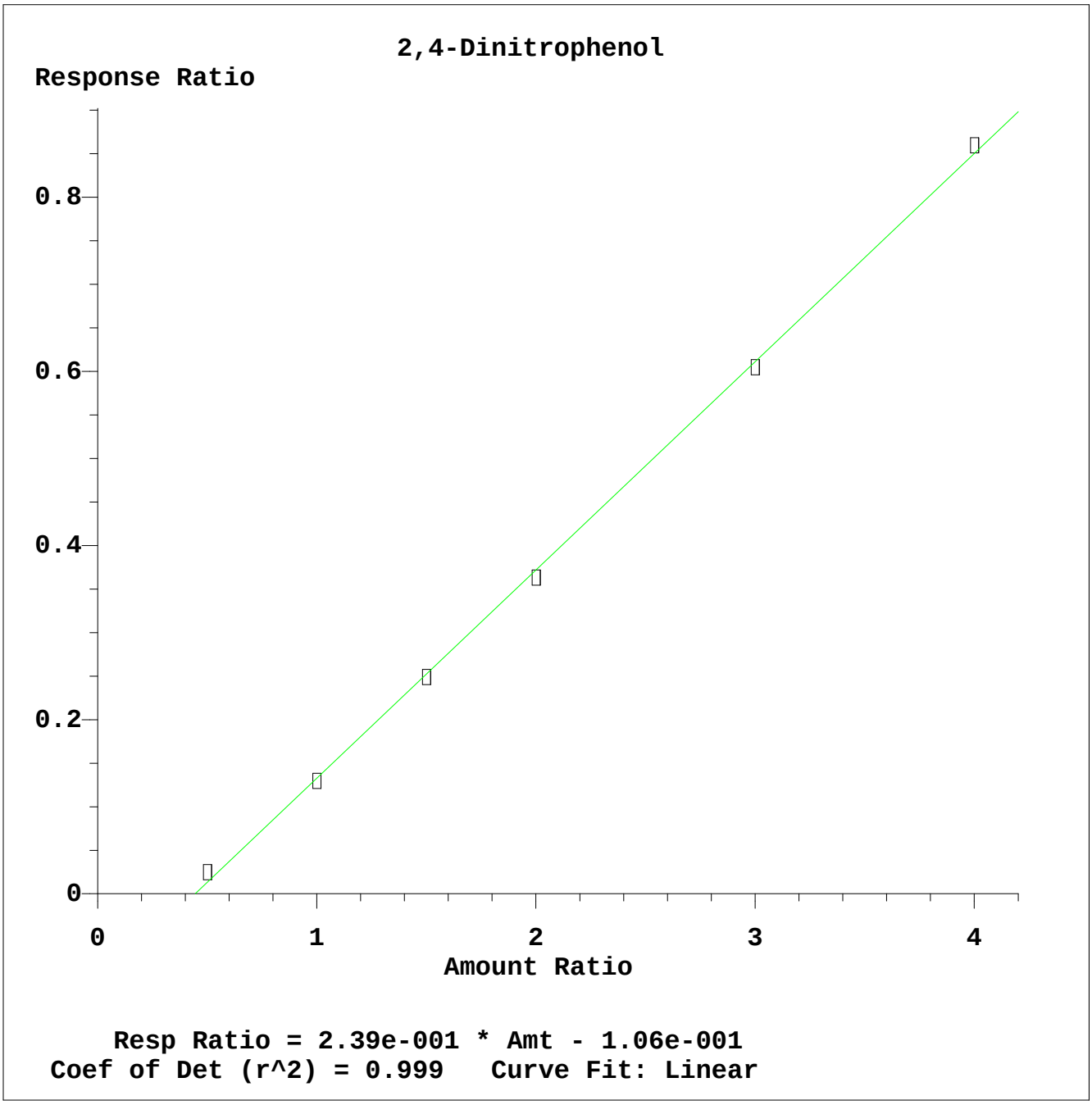
Ion	Exp%	Act%
184.00	100	100
92.00	10.50	8.55
185.00	14.80	14.20
0.00	0.00	0.00



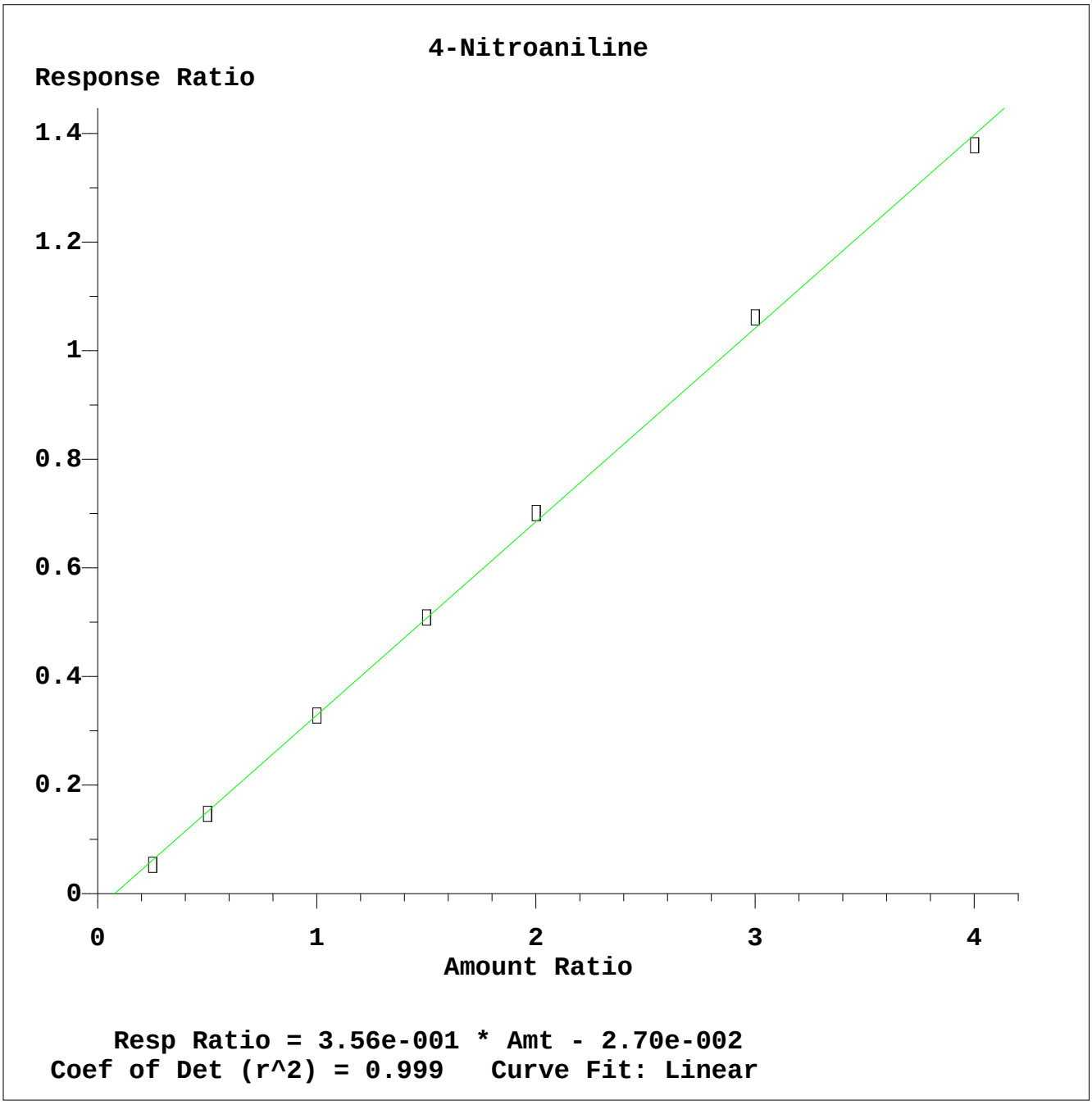
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



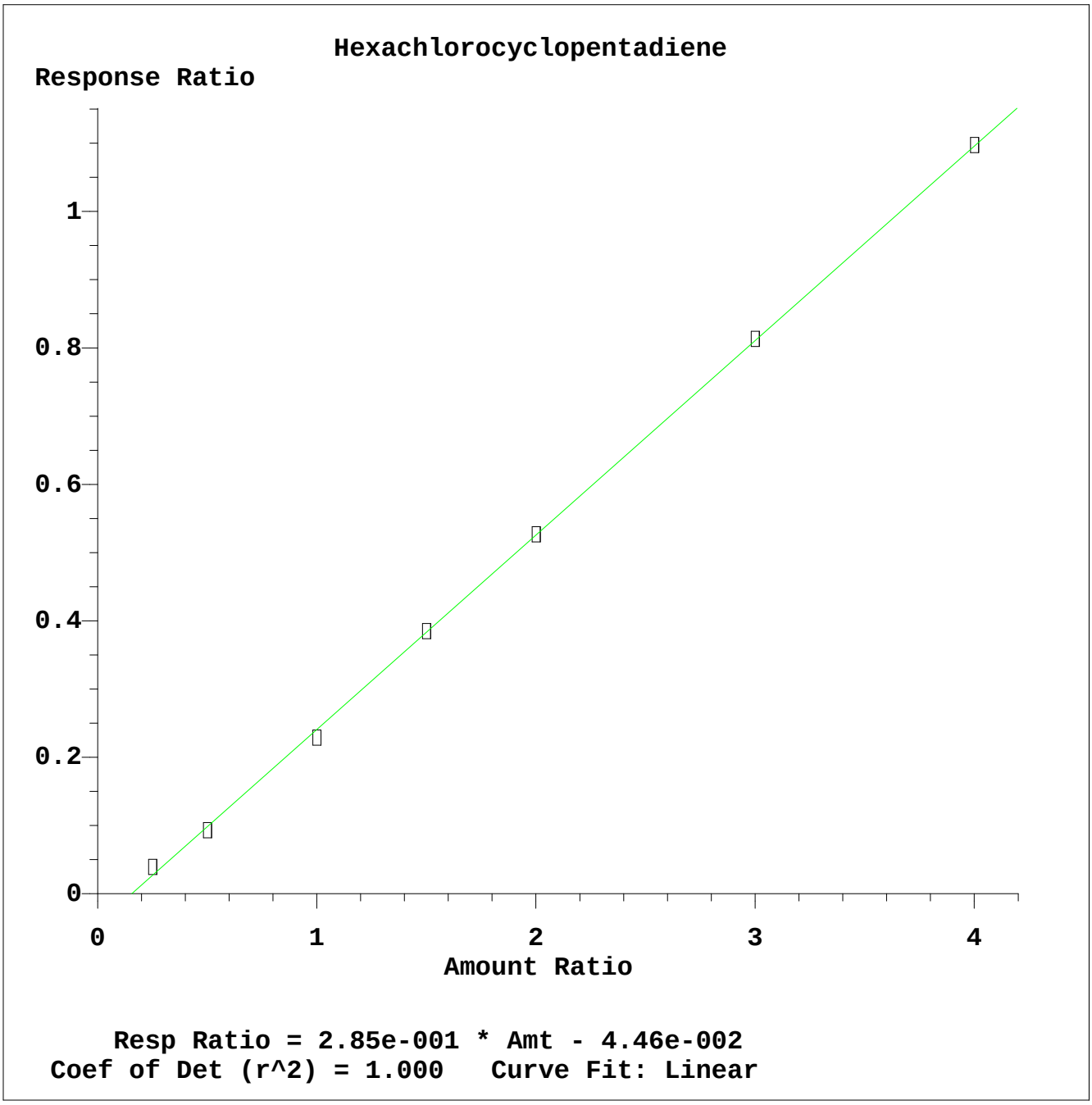
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



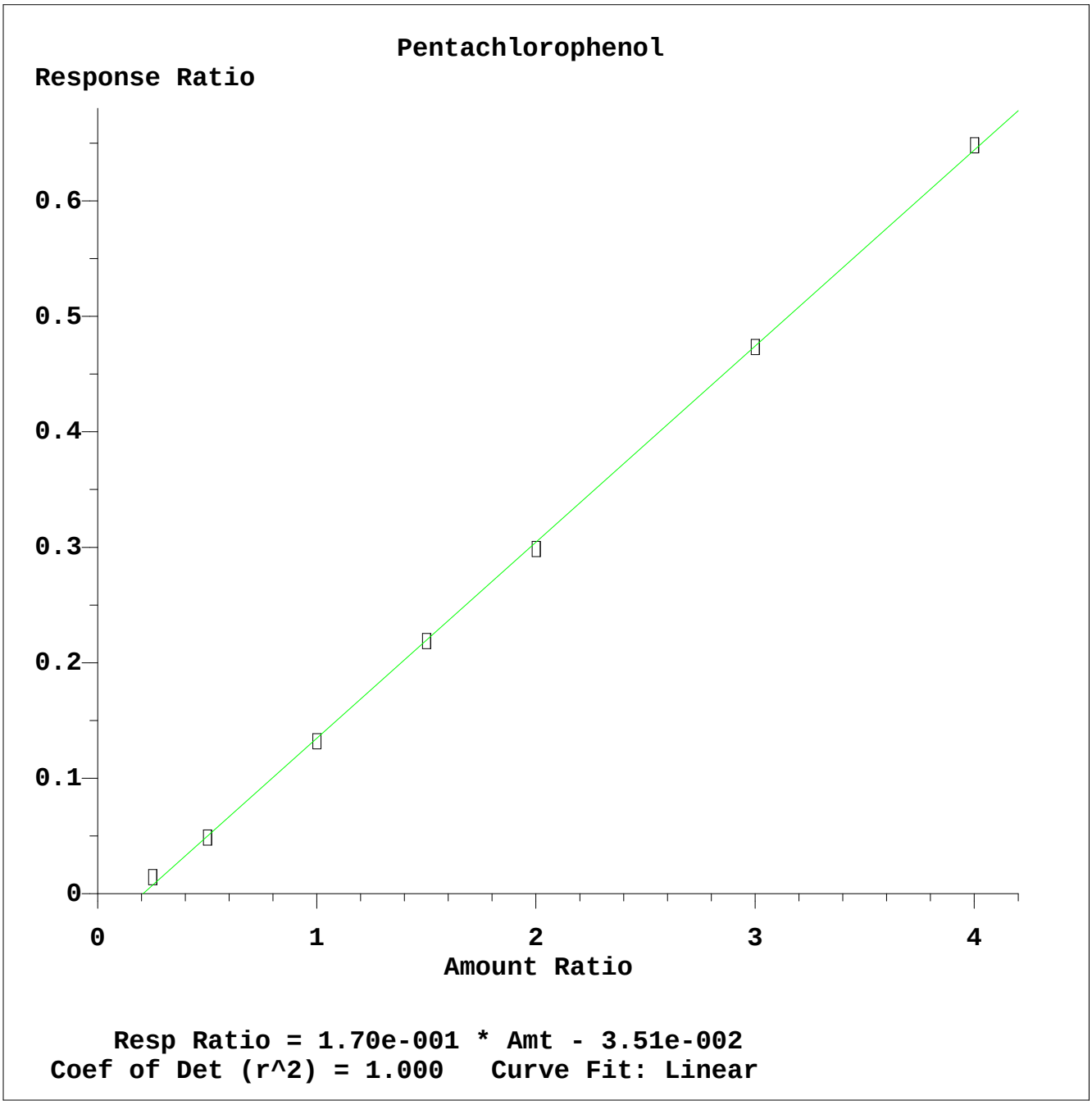
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	76439	40.00	ng		0.00
23) Naphthalene-d8	6.20	136	286372	40.00	ng		-0.01
45) Acenaphthene-d10	8.85	164	169570	40.00	ng		-0.01
73) Phenanthrene-d10	11.65	188	304323	40.00	ng		-0.02
92) Chrysene-d12	17.26	240	312057	40.00	ng		-0.03
105) Perylene-d12	21.48	264	253054	40.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	17088	8.00	ng		0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 8.00%#				
9) Phenol-d5	4.51	99	26162	8.81	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 8.81%#				
24) Nitrobenzene-d5	5.40	82	25969	9.02	ng		-0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 18.04%#				
50) 2-Fluorobiphenyl	7.73	172	59507	10.07	ng		-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 20.14%#				
72) 2,4,6-Tribromophenol	10.34	330	7382	8.64	ng		-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 8.64%#				
94) 4-Terphenyl-d14	15.07	244	73050	9.72	ng		-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 19.44%#				
Target Compounds							Qvalue
2) Pyridine	1.52	79	18681	8.67	ng		95
3) 2-Picoline	2.67	93	19779	8.61	ng	#	77
4) Methyl methanesulfonate	3.29	80	11479	8.28	ng	#	81
6) Ethyl methanesulfonate	4.07	79	16401	8.88	ng	#	80
7) Benzaldehyde	4.33	105	16228	10.87	µg		97
8) Aniline	4.47	66	12140	8.48	ng	#	86
10) Phenol	4.52	94	25108	7.98	ng	#	72
11) Bis(2-chloroethyl)ether	4.54	63	19024	9.39	ng		97
12) 2-Chlorophenol	4.60	128	23730	9.20	ng		98
13) 1,3-Dichlorobenzene	4.72	146	28270	9.79	ng		99
14) 1,4-Dichlorobenzene	4.78	146	30256	10.08	ng		98
15) 1,2-Dichlorobenzene	4.98	146	27307	9.75	ng		98
16) Benzyl alcohol	4.97	108	13345	8.13	ng		94
17) Bis(2-chloroisopropyl)ethe	5.11	45	41605	9.91	ng		99
18) 2-Methylphenol	5.12	107	19923	9.92	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	46980	19.33	ng	#	94
20)	N-Nitrosodi-n-propylamine	5.25	70	19204	9.56	ng	#	93
21)	N-Nitrosodimethylamine	1.50	42	7639	7.63	ng	#	93
22)	Hexachloroethane	5.30	117	11261	9.99	ng		98
25)	Acetophenone	5.23	105	70175	19.44	ng		95
26)	Nitrobenzene	5.41	77	29977	10.19	ng	#	84
27)	N-Nitrosopiperidine	5.58	114	11253	8.87	ng		93
28)	Isophorone	5.67	82	49571	9.59	ng	#	94
29)	2-Nitrophenol	5.78	139	11576	8.20	ng	#	80
30)	2,4-Dimethylphenol	5.84	122	21224	9.24	ng		98
31)	Bis(2-chloroethoxy)methane	5.93	93	26426	9.14	ng	#	86
32)	2,4-Dichlorophenol	6.09	162	19412	8.83	ng		91
33)	1,2,4-Trichlorobenzene	6.15	180	23949	9.67	ng		99
34)	Naphthalene	6.22	128	79341	9.97	ng		98
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.34	162	20546	9.41	ng		97
37)	4-Chloroaniline	6.34	127	28806	9.13	ng		91
38)	Hexachlorobutadiene	6.45	225	14372	9.84	ng		99
39)	a,a-Dimethylphenethylamine	6.03	58	55786m	8.72	ng		
40)	Caprolactam	6.75	55	11283m	8.06	µg		
41)	4-Chloro-3-methylphenol	7.01	107	19656	8.76	ng		99
42)	N-Nitrosodi-n-butylamine	6.78	84	23645	9.74	ng		91
43)	2-Methylnaphthalene	7.15	142	51562	9.77	ng		98
44)	1-Methylnaphthalene	7.31	142	51535	9.74	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	25500	10.09	ng		98
47)	Hexachlorocyclopentadiene	7.49	237	6664	11.77	ng	#	31
48)	2,4,6-Trichlorophenol	7.63	196	14903	9.35	ng		96
49)	2,4,5-Trichlorophenol	7.72	196	16065	9.09	ng	#	88
51)	Biphenyl	7.87	154	72143	10.11	µg		98
52)	2-Chloronaphthalene	7.88	162	48931	9.94	ng		97
53)	1-Chloronaphthalene	7.94	162	50103	10.40	ng		98
54)	2-Nitroaniline	8.13	65	11678	8.06	ng		99
55)	3-Nitroaniline	8.85	138	10179	7.50	ng	#	88
56)	Pentachlorobenzene	9.23	250	22451	9.92	ng		99
57)	4-Nitroaniline	10.00	138	9016	9.00	ng	#	83
58)	2-Naphthylamine	9.35	143	47117	9.89	ng	#	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.49	143	48289	9.87	ng	#	95
60)	Dimethyl phthalate	8.48	163	54038	9.68	ng	#	92
61)	Acenaphthylene	8.58	152	66255	9.58	ng		98
62)	2,6-Dinitrotoluene	8.59	165	11127	8.94	ng		98
63)	Acenaphthene	8.90	154	49819	10.14	ng		99
64)	2,4-Dinitrophenol	0.00	184	0	N.D.			
65)	Dibenzofuran	9.19	168	70043	9.84	ng		74
66)	4-Nitrophenol	9.35	65	7014m	7.48	ng		
67)	2,4-Dinitrotoluene	9.29	165	13543	7.91	ng		96
68)	2,3,4,6-Tetrachlorophenol	9.53	232	12295	8.40	ng	#	88
69)	Diethyl phthalate	9.77	149	54128	9.62	ng		99
70)	Fluorene	9.83	166	59904	9.88	ng		100
71)	4-Chlorophenyl phenyl ethe	9.85	204	28914	9.89	ng		98
74)	4,6-Dinitro-2-methylphenol	10.06	198	4897	10.73	ng	#	1
75)	Azobenzene	10.15	77	55610	9.68	ng		98
76)	1,2-Diphenylhydrazine	10.15	182	16026	9.50	ng		93
77)	Diphenylamine	10.09	170	11341	9.79	ng		96
78)	N-Nitrosodiphenylamine	10.09	168	55801	9.70	ng		97
79)	4-Bromophenyl phenyl ether	10.79	248	16517	9.35	ng		98
80)	Phenacetin	10.82	108	19836	7.49	ng		97
81)	Hexachlorobenzene	11.06	284	18048	9.96	ng		98
82)	Atrazine	11.25	200	16803	9.45	µg		99
83)	4-Aminobiphenyl	11.33	169	57105	9.65	ng		98
84)	Pentachlorophenol	11.46	266	4379	11.66	ng	#	19
85)	Pentachloronitrobenzene	11.59	237	7132	9.30	ng		97
86)	Pronamide	11.57	173	22983	9.02	ng		98
87)	Phenanthrene	11.70	178	90159	9.98	ng		99
88)	Anthracene	11.79	178	86989	9.71	ng		97
89)	Carbazole	12.17	167	77914	9.36	ng		95
90)	Di-n-butyl phthalate	13.09	149	89595	9.19	ng		99
91)	Fluoranthene	14.18	202	95872	9.29	ng		99
93)	Pyrene	14.65	202	102069	9.81	ng		98
95)	Benzidine	14.55	184	45948	11.50	ng	#	85
96)	Dimethylaminoazobenzene	15.42	225	20012	8.93	ng		99
97)	Butyl benzyl phthalate	16.23	149	41964	9.37	ng		99
98)	Benz(a)anthracene	17.23	228	99736	9.67	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

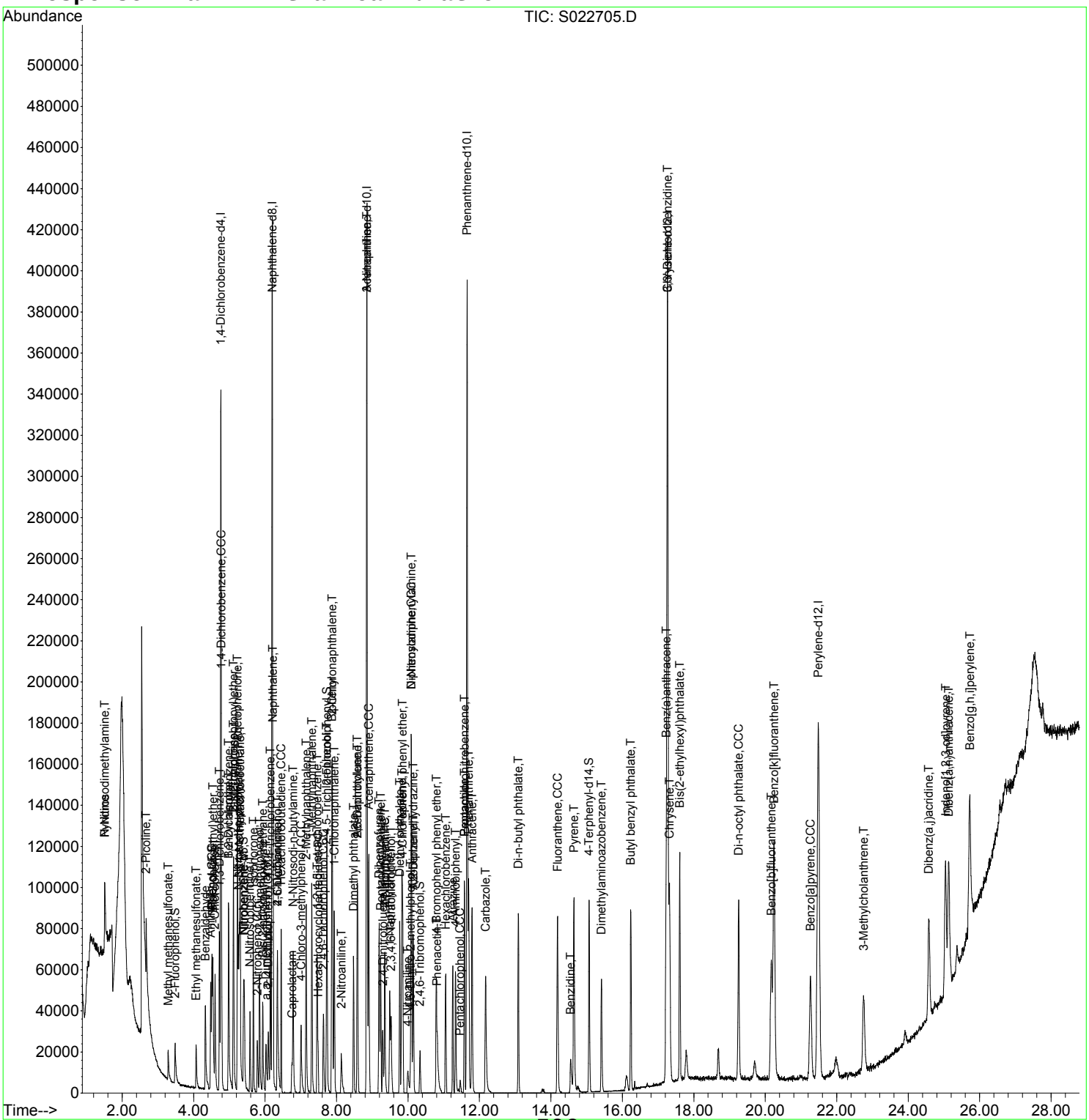
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	36585	9.86	ng	#	93
100)	Chrysene	17.32	228	100142	10.13	ng		98
101)	Bis(2-ethylhexyl)phthalate	17.61	149	61197	9.68	ng		99
102)	Di-n-octyl phthalate	19.26	149	107509	9.50	ng	#	90
103)	3-Methylcholanthrene	22.75	268	44746	9.27	ng		97
104)	Indeno[1,2,3-cd]pyrene	25.05	276	95080	9.02	ng	#	100
106)	Benzo[b]fluoranthene	20.17	252	96908	9.36	ng		98
107)	Benzo[k]fluoranthene	20.25	252	101096	9.65	ng	#	69
108)	Benzo[a]pyrene	21.27	252	91805	9.38	ng		95
109)	Dibenz(a,j)acridine	24.57	279	79448	9.05	ng		99
110)	Dibenz(a,h)anthracene	25.13	278	92610	9.26	ng		99
111)	Benzo[g,h,i]perylene	25.73	276	99140	9.27	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 Quant Results File: B022704.RES

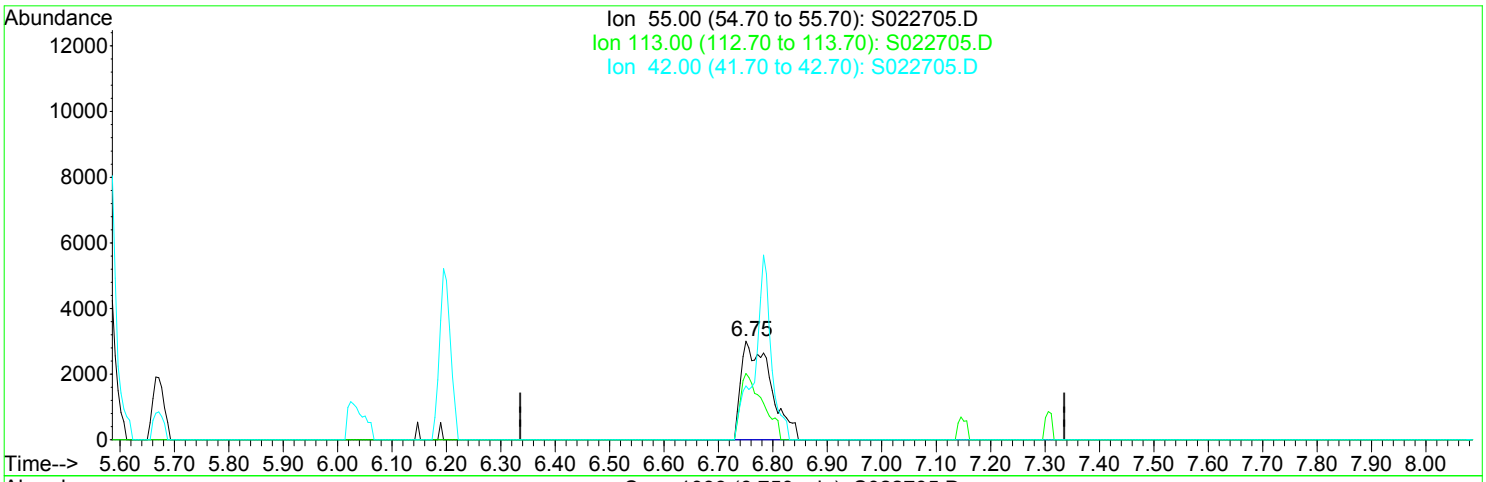
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration

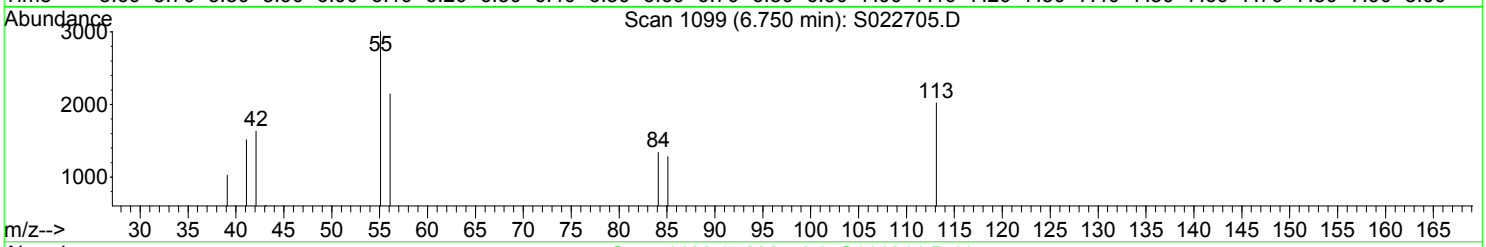


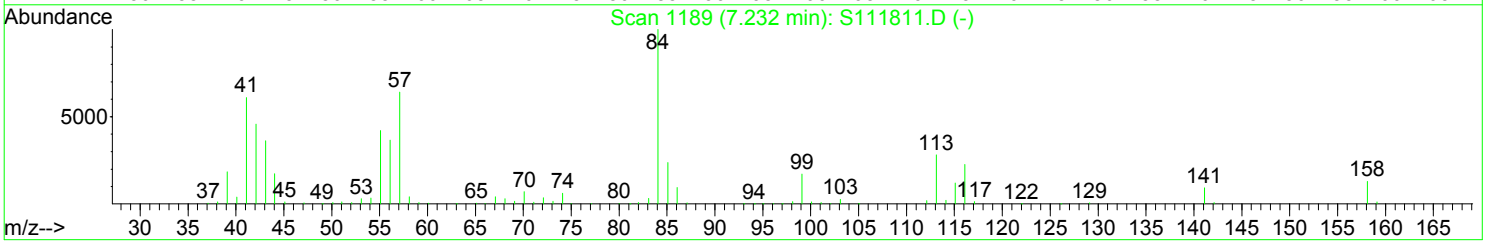
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration







TIC: S022705.D

(40) Caprolactam

6.75min 8.06µg m

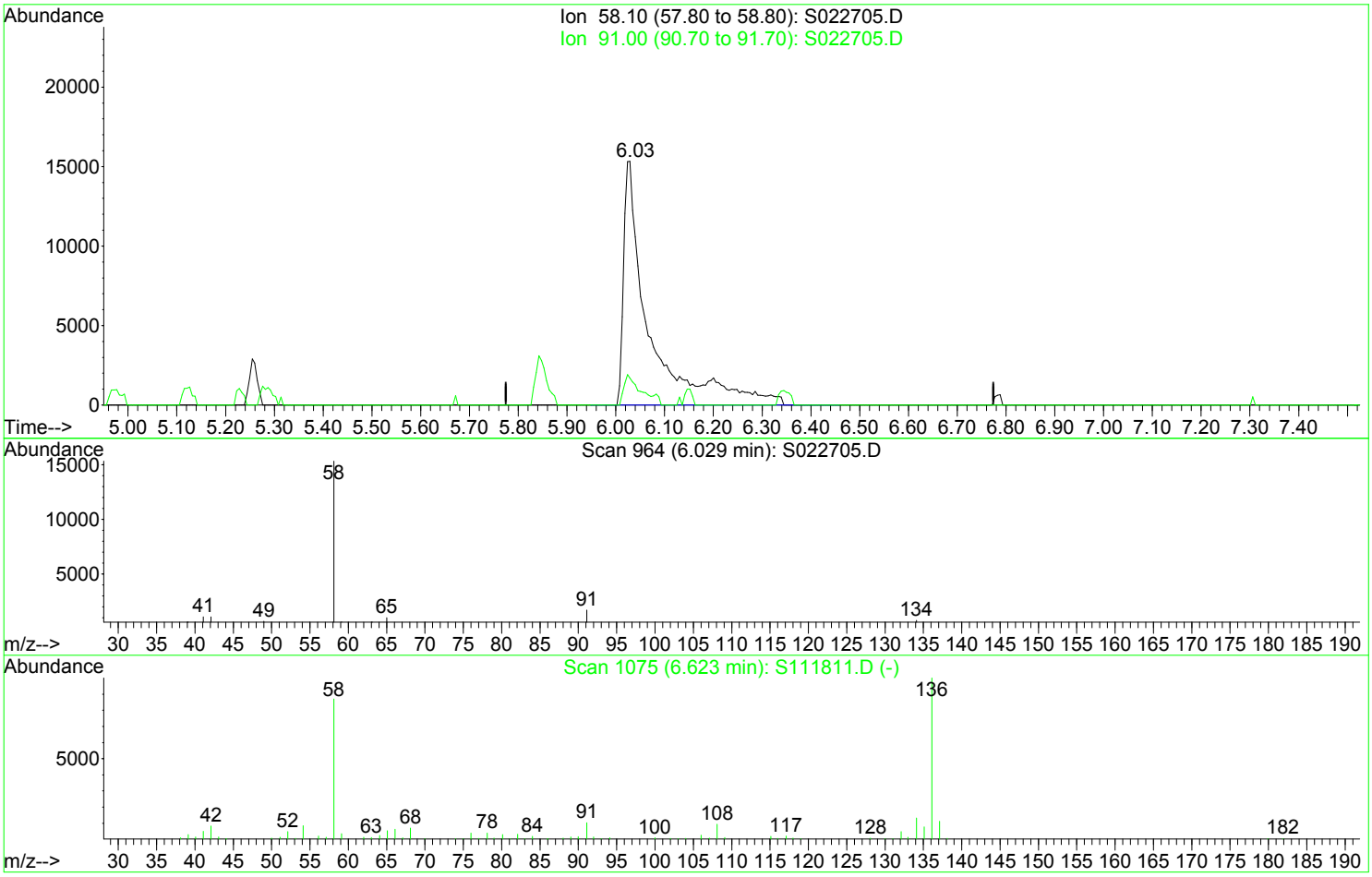
response 11283

Ion	Exp%	Act%
55.00	100	100
113.00	61.40	50.66
42.00	101.20	105.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022705.D

(39) a,a-Dimethylphenethylamine (T)

6.03min 8.72ng m

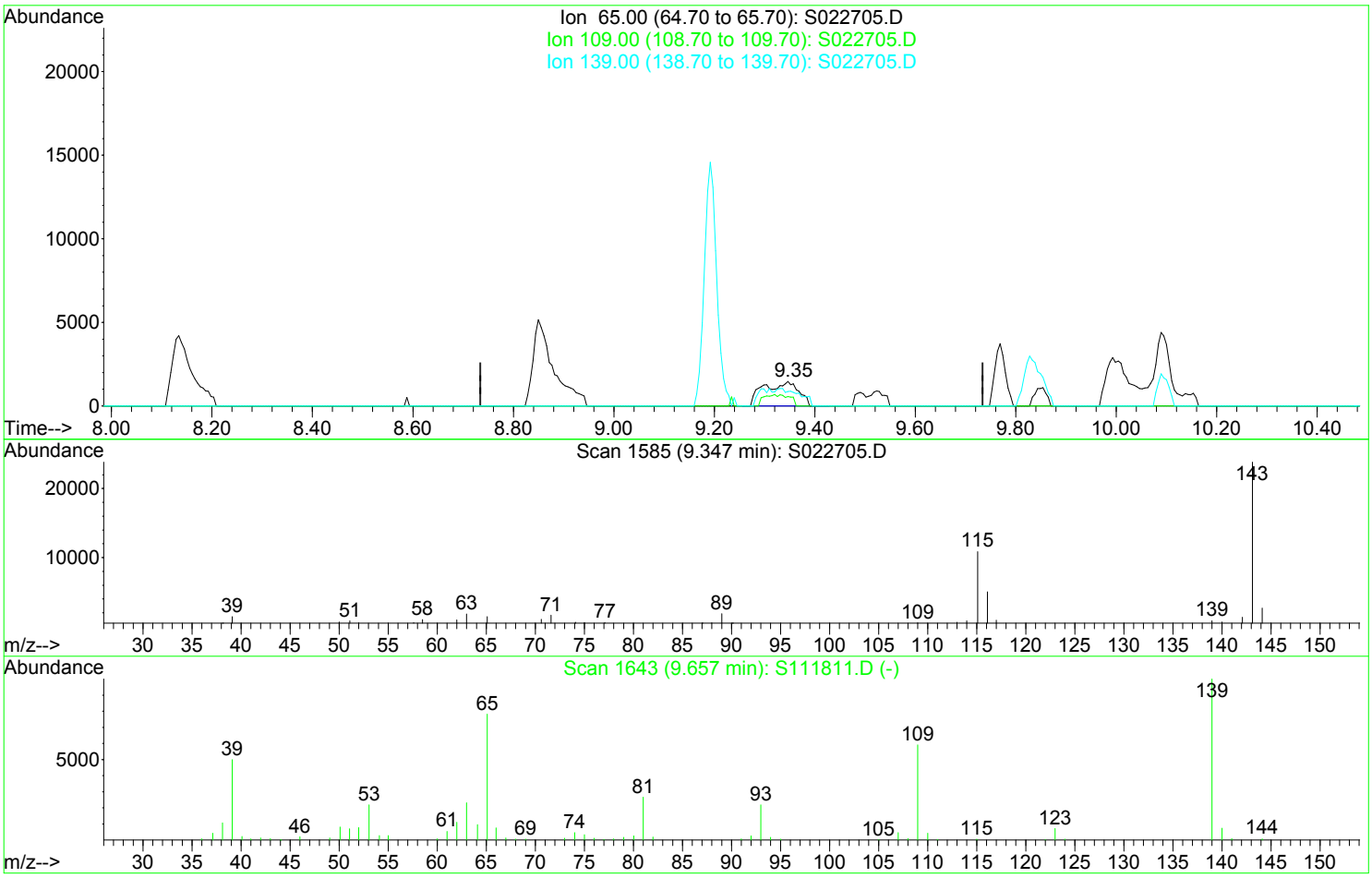
response 55786

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	7.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022705.D

(66) 4-Nitrophenol (PC)

9.35min 7.48ng m

response 7014

Ion	Exp%	Act%
65.00	100	100
109.00	89.40	0.00#
139.00	378.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	81365	40.00	ng		0.00
23) Naphthalene-d8	6.20	136	306615	40.00	ng		-0.01
45) Acenaphthene-d10	8.85	164	186347	40.00	ng		-0.01
73) Phenanthrene-d10	11.66	188	336169	40.00	ng		-0.02
92) Chrysene-d12	17.27	240	344564	40.00	ng		-0.02
105) Perylene-d12	21.50	264	272788	40.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	41439	18.23	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 18.23%#				
9) Phenol-d5	4.51	99	60653	19.19	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 19.19%				
24) Nitrobenzene-d5	5.40	82	59624	19.34	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 38.68%				
50) 2-Fluorobiphenyl	7.73	172	128627	19.81	ng		-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 39.62%#				
72) 2,4,6-Tribromophenol	10.34	330	17878	19.03	ng		-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 19.03%				
94) 4-Terphenyl-d14	15.07	244	165400	19.94	ng		-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 39.88%				
Target Compounds							Qvalue
2) Pyridine	1.51	79	43844	19.11	ng		97
3) 2-Picoline	2.66	93	46081	18.84	ng		97
4) Methyl methanesulfonate	3.28	80	27848	18.88	ng	#	95
6) Ethyl methanesulfonate	4.06	79	37043	18.84	ng		97
7) Benzaldehyde	4.33	105	37765	21.72	µg		99
8) Aniline	4.48	66	26859	17.62	ng	#	82
10) Phenol	4.52	94	68076	20.32	ng		91
11) Bis(2-chloroethyl)ether	4.54	63	38568	17.89	ng	#	79
12) 2-Chlorophenol	4.60	128	52936	19.28	ng		99
13) 1,3-Dichlorobenzene	4.73	146	60614	19.72	ng		100
14) 1,4-Dichlorobenzene	4.78	146	64564	20.22	ng		99
15) 1,2-Dichlorobenzene	4.98	146	59772	20.05	ng		99
16) Benzyl alcohol	4.97	108	32531	18.61	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	89162	19.95	ng		99
18) 2-Methylphenol	5.12	107	40959	19.17	ng		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	105601	40.81	ng		98
20)	N-Nitrosodi-n-propylamine	5.26	70	42212	19.74	ng		95
21)	N-Nitrosodimethylamine	1.50	42	19941	18.72	ng	#	90
22)	Hexachloroethane	5.31	117	23955	19.96	ng		99
25)	Acetophenone	5.23	105	151948	39.31	ng		96
26)	Nitrobenzene	5.42	77	58844	18.69	ng		98
27)	N-Nitrosopiperidine	5.58	114	26114	19.23	ng		99
28)	Isophorone	5.68	82	108756	19.66	ng		99
29)	2-Nitrophenol	5.78	139	28265	18.69	ng		98
30)	2,4-Dimethylphenol	5.84	122	47340	19.25	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	60397	19.51	ng		98
32)	2,4-Dichlorophenol	6.08	162	45026	19.13	ng		98
33)	1,2,4-Trichlorobenzene	6.15	180	52102	19.65	ng		99
34)	Naphthalene	6.23	128	168438	19.76	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.34	162	45839	19.60	ng		97
37)	4-Chloroaniline	6.33	127	66321	19.62	ng		97
38)	Hexachlorobutadiene	6.46	225	30673	19.61	ng		99
39)	a,a-Dimethylphenethylamine	6.08	58	133301m	18.96	ng		
40)	Caprolactam	6.76	55	27215	18.17	µg		93
41)	4-Chloro-3-methylphenol	7.00	107	45685	19.02	ng		100
42)	N-Nitrosodi-n-butylamine	6.79	84	47044	18.09	ng		94
43)	2-Methylnaphthalene	7.15	142	112829	19.96	ng		99
44)	1-Methylnaphthalene	7.31	142	113192	19.98	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	54707	19.69	ng		99
47)	Hexachlorocyclopentadiene	7.49	237	17319	19.29	ng	#	92
48)	2,4,6-Trichlorophenol	7.63	196	32640	18.63	ng		97
49)	2,4,5-Trichlorophenol	7.71	196	37355	19.24	ng		99
51)	Biphenyl	7.87	154	157092	20.04	µg		99
52)	2-Chloronaphthalene	7.89	162	108520	20.06	ng		98
53)	1-Chloronaphthalene	7.94	162	106019	20.02	ng		98
54)	2-Nitroaniline	8.12	65	29449	18.49	ng		98
55)	3-Nitroaniline	8.84	138	27355	18.34	ng	#	94
56)	Pentachlorobenzene	9.24	250	49304	19.82	ng		99
57)	4-Nitroaniline	9.98	138	27403	19.54	ng		92
58)	2-Naphthylamine	9.35	143	106706	20.38	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.49	143	110076	20.48	ng	97
60)	Dimethyl phthalate	8.48	163	119501	19.47	ng	99
61)	Acenaphthylene	8.58	152	150126	19.75	ng	99
62)	2,6-Dinitrotoluene	8.59	165	25991	19.00	ng	99
63)	Acenaphthene	8.90	154	106126	19.65	ng	100
64)	2,4-Dinitrophenol	9.06	184	4614m	21.96	ng	
65)	Dibenzofuran	9.19	168	154149	19.71	ng	74
66)	4-Nitrophenol	9.28	65	21173m	20.92	ng	
67)	2,4-Dinitrotoluene	9.29	165	35484	18.87	ng	95
68)	2,3,4,6-Tetrachlorophenol	9.53	232	30099	18.72	ng	99
69)	Diethyl phthalate	9.77	149	120887	19.54	ng	99
70)	Fluorene	9.83	166	131438	19.73	ng	99
71)	4-Chlorophenyl phenyl ethe	9.85	204	64033	19.92	ng	99
74)	4,6-Dinitro-2-methylphenol	10.05	198	17697	18.90	ng	90
75)	Azobenzene	10.15	77	125601	19.80	ng	98
76)	1,2-Diphenylhydrazine	10.15	182	36039	19.34	ng	95
77)	Diphenylamine	10.10	170	25326	19.79	ng	97
78)	N-Nitrosodiphenylamine	10.10	168	125792	19.80	ng	97
79)	4-Bromophenyl phenyl ether	10.79	248	37718	19.34	ng	99
80)	Phenacetin	10.82	108	52244	17.85	ng	98
81)	Hexachlorobenzene	11.06	284	39083	19.52	ng	99
82)	Atrazine	11.26	200	37983	19.35	µg	99
83)	4-Aminobiphenyl	11.33	169	130576	19.97	ng	99
84)	Pentachlorophenol	11.45	266	16352	19.73	ng	96
85)	Pentachloronitrobenzene	11.59	237	16323	19.26	ng	98
86)	Pronamide	11.58	173	53711	19.09	ng	99
87)	Phenanthrene	11.70	178	197920	19.83	ng	99
88)	Anthracene	11.79	178	196819	19.88	ng	99
89)	Carbazole	12.17	167	177921	19.34	ng	98
90)	Di-n-butyl phthalate	13.09	149	207353	19.25	ng	99
91)	Fluoranthene	14.19	202	220761	19.37	ng	99
93)	Pyrene	14.65	202	229005	19.92	ng	100
95)	Benzidine	14.55	184	94817	22.07	ng	95
96)	Dimethylaminoazobenzene	15.42	225	46679	18.87	ng	99
97)	Butyl benzyl phthalate	16.24	149	94822	19.17	ng	99
98)	Benz(a)anthracene	17.23	228	220406	19.35	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

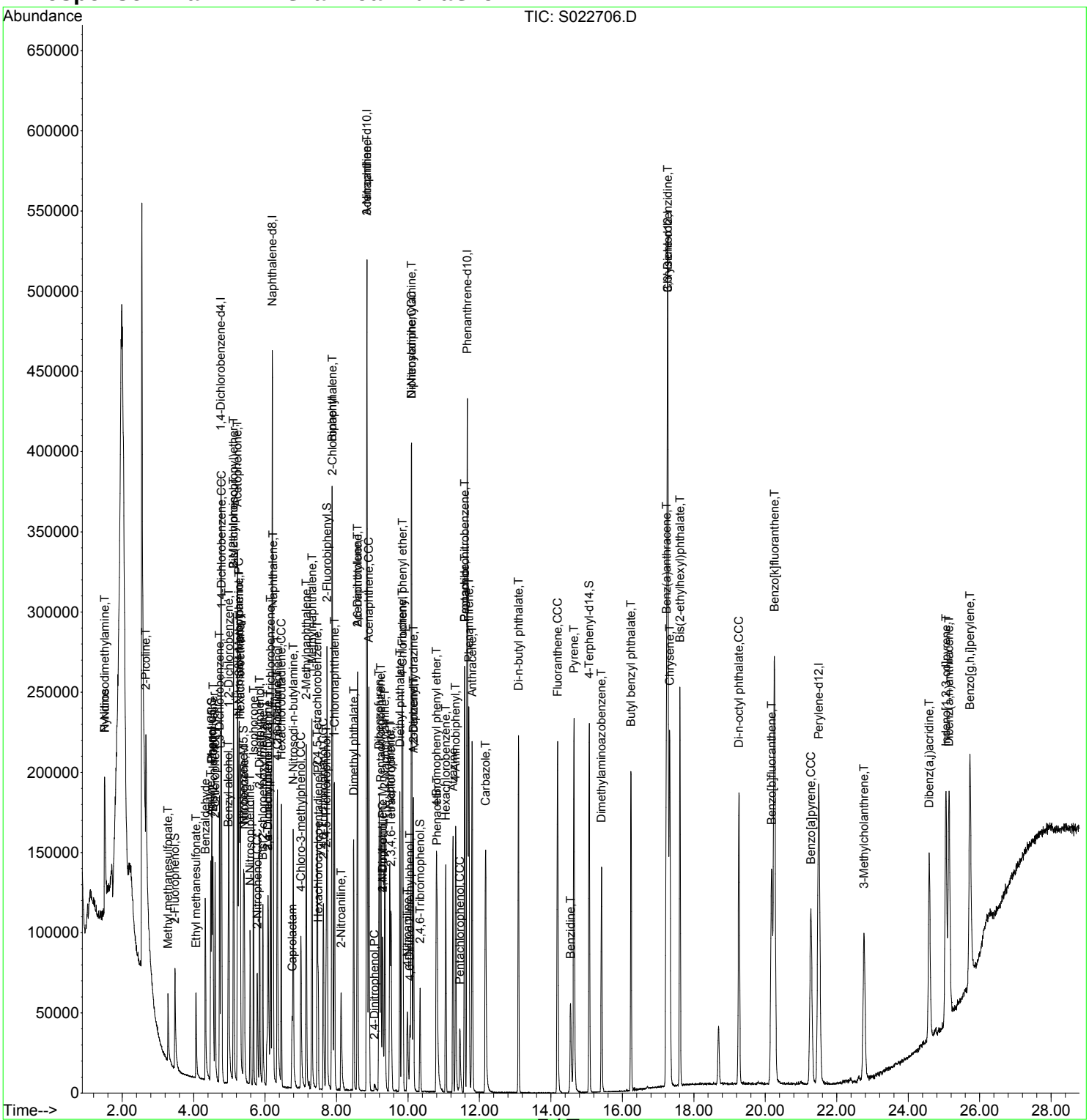
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	79678	19.44	ng		99
100)	Chrysene	17.32	228	216960	19.89	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.61	149	132952	19.06	ng		100
102)	Di-n-octyl phthalate	19.26	149	236277	18.90	ng	#	98
103)	3-Methylcholanthrene	22.76	268	99090	18.60	ng		98
104)	Indeno[1,2,3-cd]pyrene	25.06	276	210675	18.09	ng	#	96
106)	Benzo[b]fluoranthene	20.18	252	209852	18.80	ng		99
107)	Benzo[k]fluoranthene	20.26	252	219033	19.40	ng		96
108)	Benzo[a]pyrene	21.28	252	203986	19.33	ng		98
109)	Dibenz(a,j)acridine	24.59	279	177134	18.73	ng		99
110)	Dibenz(a,h)anthracene	25.14	278	203319	18.86	ng		100
111)	Benzo[g,h,i]perylene	25.73	276	216394	18.77	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:32 2004 Quant Results File: B022704.RES

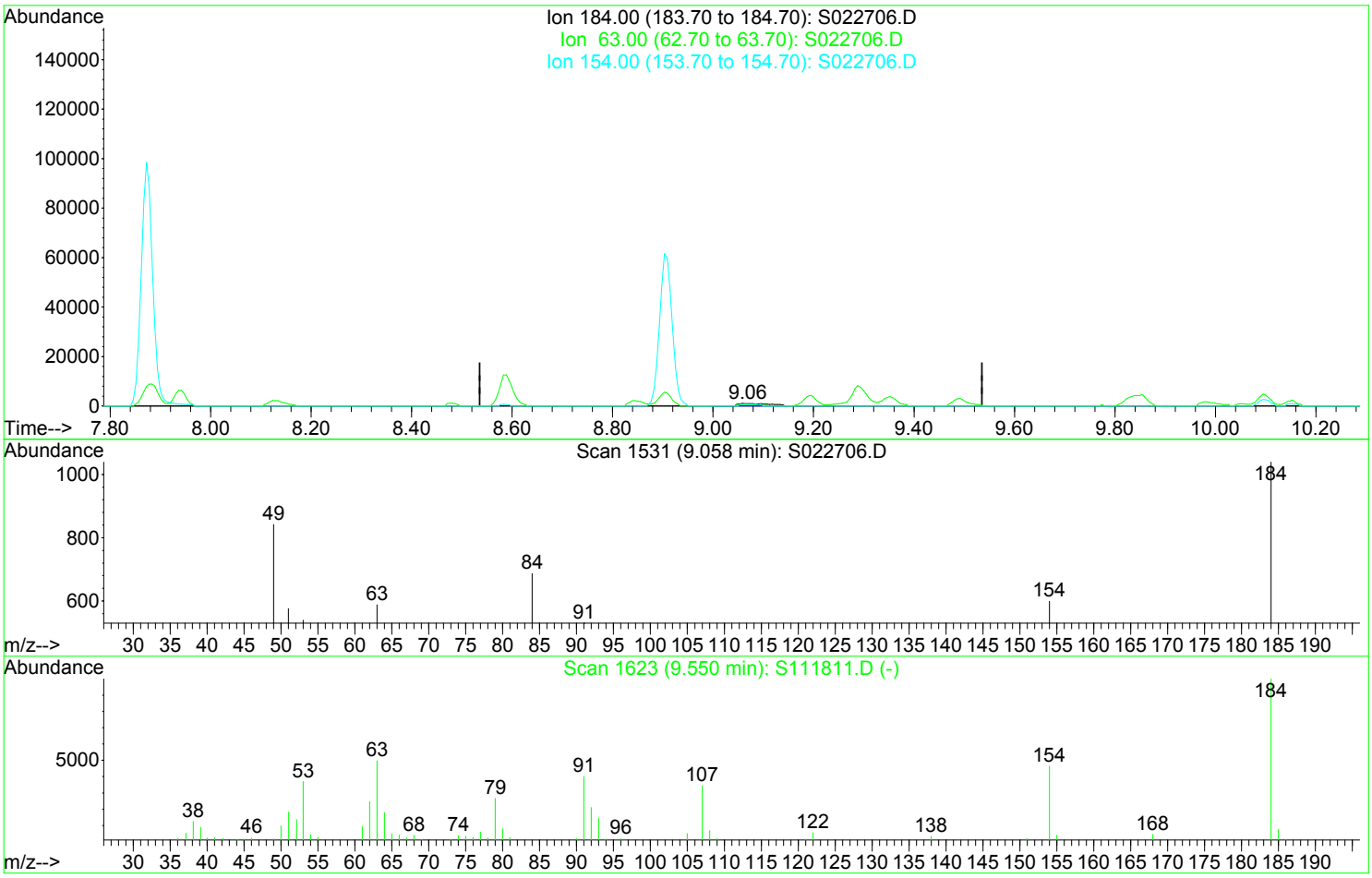
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D **Vial: 3**
Acq On : 27 Feb 2004 1:53 pm **Operator: YH**
Sample : BNA20 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(64) 2,4-Dinitrophenol (PC)

9.06min 21.96ng m

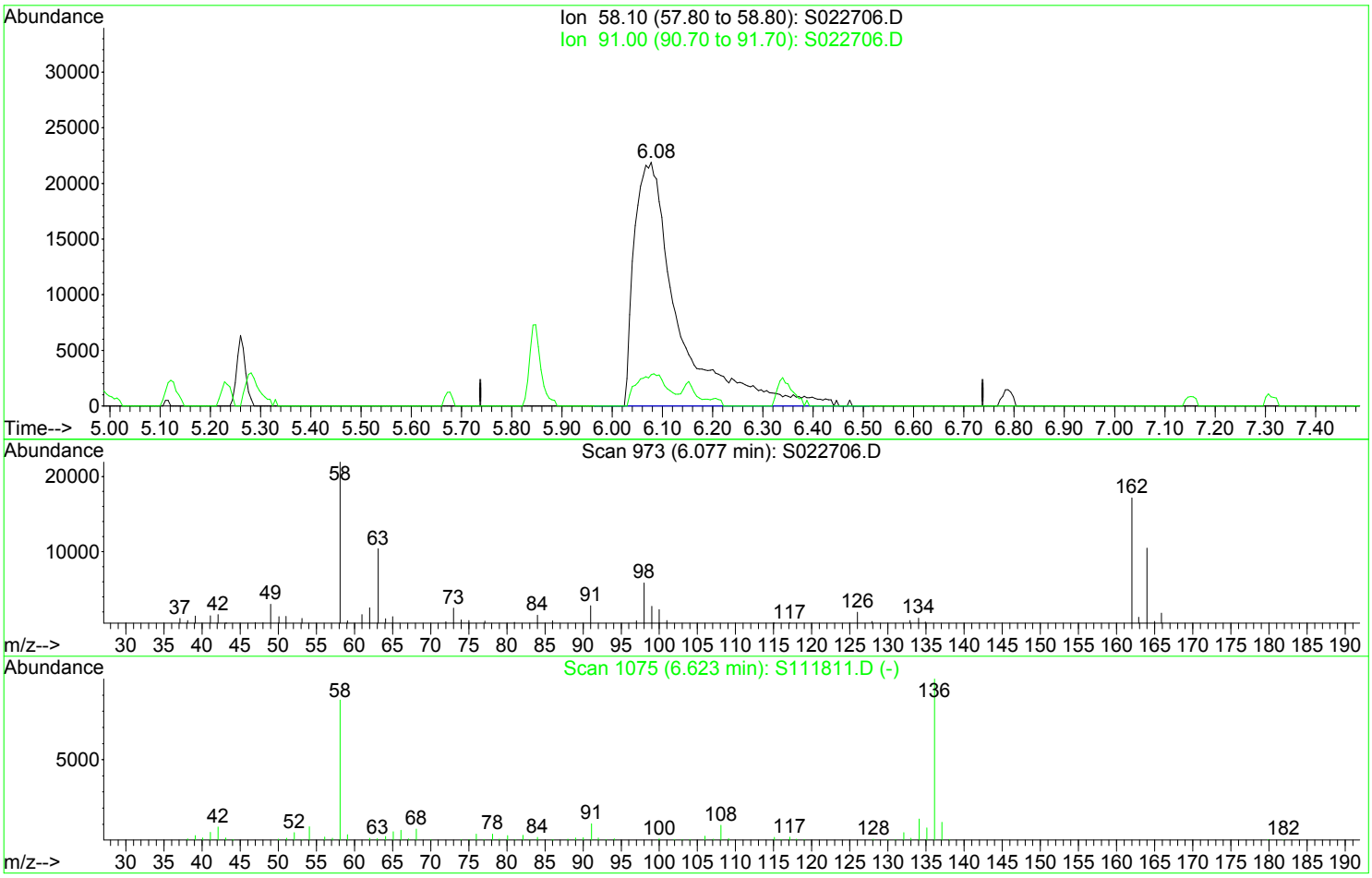
response 4614

Ion	Exp%	Act%
184.00	100	100
63.00	57.40	0.00#
154.00	50.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D **Vial: 3**
Acq On : 27 Feb 2004 1:53 pm **Operator: YH**
Sample : BNA20 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(39) a,a-Dimethylphenethylamine (T)

6.08min 18.96ng m

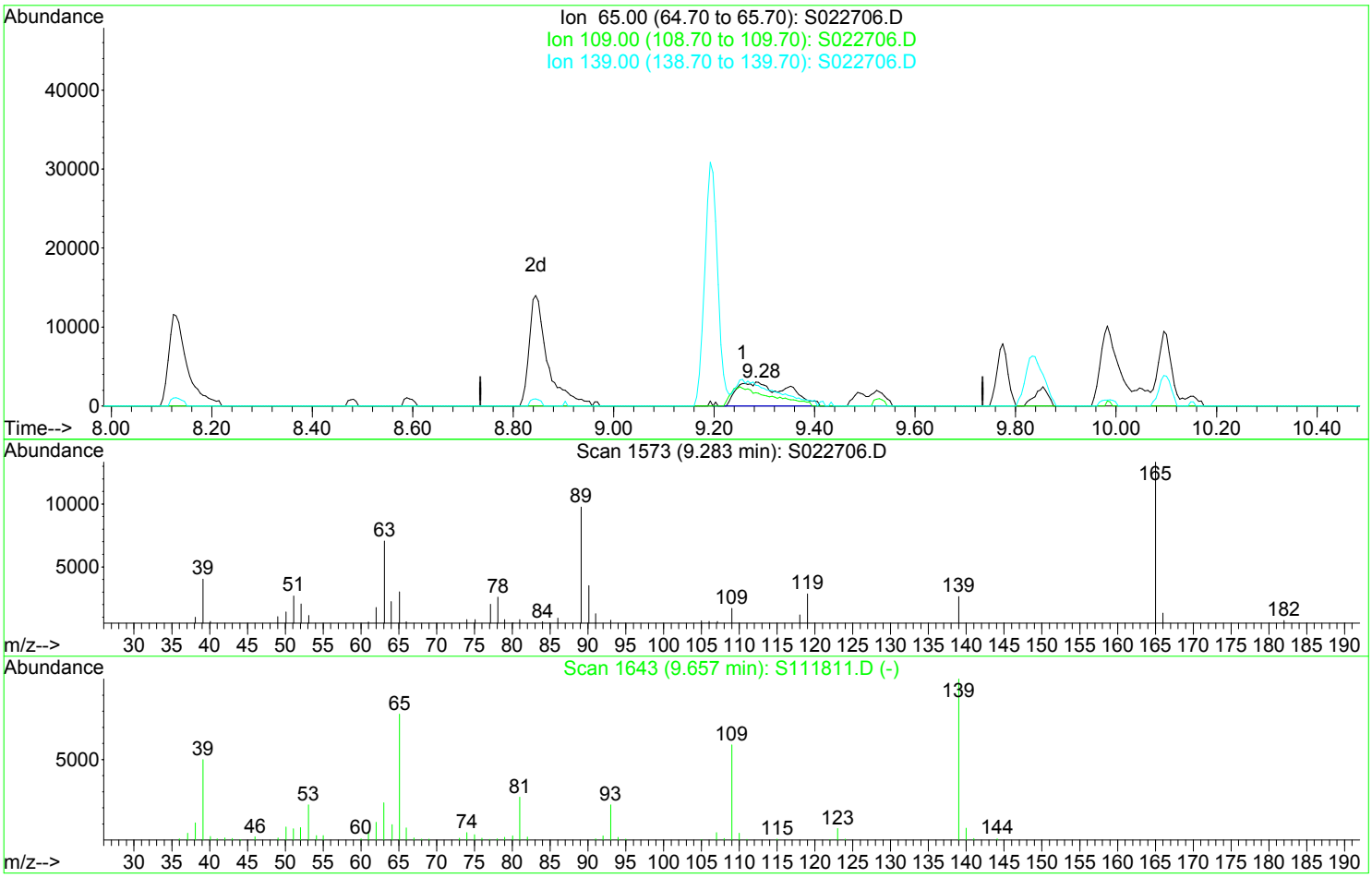
response 133301

Ion	Exp%	Act%
58.10	100	100
91.00	6.90	9.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D **Vial: 3**
Acq On : 27 Feb 2004 1:53 pm **Operator: YH**
Sample : BNA20 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:32 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(66) 4-Nitrophenol (PC)

9.28min 20.92ng m

response 21173

Ion	Exp%	Act%
65.00	100	100
109.00	92.80	62.56#
139.00	390.00	86.89#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	81355	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	306204	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	187514	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	337270	40.00	ng	0.00
92) Chrysene-d12	17.29	240	356114	40.00	ng	0.00
105) Perylene-d12	21.53	264	283638	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.48	112	94647	41.65	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 41.65%			
9) Phenol-d5	4.51	99	129128	40.87	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 40.87%			
24) Nitrobenzene-d5	5.40	82	125875	40.89	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 81.78%			
50) 2-Fluorobiphenyl	7.74	172	265685	40.66	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 81.32%			
72) 2,4,6-Tribromophenol	10.35	330	38673	40.92	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 40.92%			
94) 4-Terphenyl-d14	15.08	244	350716	40.90	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 81.80%			
Target Compounds						Qvalue
2) Pyridine	1.50	79	93185	40.62	ng	# 96
3) 2-Picoline	2.66	93	96977	39.66	ng	99
4) Methyl methanesulfonate	3.28	80	60711	41.16	ng	99
6) Ethyl methanesulfonate	4.07	79	79803	40.60	ng	99
7) Benzaldehyde	4.33	105	79614	50.12	µg	99
8) Aniline	4.48	66	61761	40.52	ng	92
10) Phenol	4.52	94	135698	40.52	ng	89
11) Bis(2-chloroethyl)ether	4.55	63	88957	41.26	ng	97
12) 2-Chlorophenol	4.60	128	112710	41.05	ng	98
13) 1,3-Dichlorobenzene	4.73	146	124948	40.66	ng	99
14) 1,4-Dichlorobenzene	4.79	146	126995	39.77	ng	99
15) 1,2-Dichlorobenzene	4.99	146	122740	41.18	ng	98
16) Benzyl alcohol	4.97	108	72407	41.44	ng	98
17) Bis(2-chloroisopropyl)ethe	5.12	45	183257	41.02	ng	99
18) 2-Methylphenol	5.13	107	87500	40.95	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	210930	81.52	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	87899	41.11	ng		94
21)	N-Nitrosodimethylamine	1.50	42	44396	41.69	ng	#	95
22)	Hexachloroethane	5.31	117	48628	40.53	ng		98
25)	Acetophenone	5.24	105	314975	81.60	ng		99
26)	Nitrobenzene	5.42	77	129155	41.07	ng		98
27)	N-Nitrosopiperidine	5.59	114	55476	40.90	ng		100
28)	Isophorone	5.68	82	224761	40.68	ng		99
29)	2-Nitrophenol	5.78	139	62091	41.12	ng		98
30)	2,4-Dimethylphenol	5.85	122	101048	41.14	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	126891	41.05	ng		99
32)	2,4-Dichlorophenol	6.08	162	95889	40.80	ng		100
33)	1,2,4-Trichlorobenzene	6.16	180	107314	40.52	ng		99
34)	Naphthalene	6.23	128	349066	41.01	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.35	162	96282	41.23	ng		99
37)	4-Chloroaniline	6.34	127	139564	41.35	ng		97
38)	Hexachlorobutadiene	6.46	225	63956	40.94	ng		99
39)	a,a-Dimethylphenethylamine	6.17	58	292350m	42.74	ng		
40)	Caprolactam	6.78	55	62205	41.58	µg		98
41)	4-Chloro-3-methylphenol	7.01	107	98728	41.17	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	109225	42.06	ng		96
43)	2-Methylnaphthalene	7.16	142	230281	40.79	ng		99
44)	1-Methylnaphthalene	7.32	142	231428	40.90	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	114023	40.79	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	42862	38.30	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	71308	40.45	ng		99
49)	2,4,5-Trichlorophenol	7.72	196	81125	41.52	ng		98
51)	Biphenyl	7.88	154	322622	40.90	µg		99
52)	2-Chloronaphthalene	7.89	162	224253	41.20	ng		98
53)	1-Chloronaphthalene	7.95	162	215340	40.41	ng		98
54)	2-Nitroaniline	8.13	65	65392	40.80	ng		99
55)	3-Nitroaniline	8.85	138	62398	41.57	ng	#	99
56)	Pentachlorobenzene	9.25	250	101827	40.68	ng		99
57)	4-Nitroaniline	9.99	138	61528	39.86	ng		98
58)	2-Naphthylamine	9.36	143	224689	42.64	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.50	143	233517	43.17	ng	100
60)	Dimethyl phthalate	8.49	163	250328	40.53	ng	99
61)	Acenaphthylene	8.59	152	311834	40.77	ng	99
62)	2,6-Dinitrotoluene	8.60	165	56186	40.82	ng	99
63)	Acenaphthene	8.91	154	219012	40.30	ng	100
64)	2,4-Dinitrophenol	9.05	184	24308	39.50	ng	95
65)	Dibenzofuran	9.21	168	322532	40.98	ng	96
66)	4-Nitrophenol	9.24	65	45198m	43.61	ng	
67)	2,4-Dinitrotoluene	9.30	165	78441	41.45	ng	97
68)	2,3,4,6-Tetrachlorophenol	9.53	232	66666	41.21	ng	100
69)	Diethyl phthalate	9.79	149	255227	41.00	ng	99
70)	Fluorene	9.84	166	273518	40.81	ng	99
71)	4-Chlorophenyl phenyl ethe	9.87	204	132936	41.10	ng	98
74)	4,6-Dinitro-2-methylphenol	10.06	198	49076	39.65	ng	92
75)	Azobenzene	10.16	77	261938	41.16	ng	99
76)	1,2-Diphenylhydrazine	10.16	182	76273	40.80	ng	95
77)	Diphenylamine	10.11	170	53497	41.68	ng	99
78)	N-Nitrosodiphenylamine	10.11	168	263730	41.37	ng	99
79)	4-Bromophenyl phenyl ether	10.81	248	79908	40.83	ng	100
80)	Phenacetin	10.83	108	121592	41.42	ng	100
81)	Hexachlorobenzene	11.07	284	81942	40.80	ng	100
82)	Atrazine	11.28	200	81833	41.55	µg	99
83)	4-Aminobiphenyl	11.35	169	280585	42.77	ng	100
84)	Pentachlorophenol	11.46	266	44537	39.39	ng	98
85)	Pentachloronitrobenzene	11.61	237	35052	41.23	ng	99
86)	Pronamide	11.60	173	116568	41.29	ng	99
87)	Phenanthrene	11.72	178	410650	41.02	ng	100
88)	Anthracene	11.81	178	408205	41.10	ng	99
89)	Carbazole	12.18	167	379074	41.08	ng	98
90)	Di-n-butyl phthalate	13.11	149	445518	41.22	ng	99
91)	Fluoranthene	14.20	202	471152	41.21	ng	100
93)	Pyrene	14.66	202	487457	41.04	ng	99
95)	Benzidine	14.56	184	192041m	42.13	ng	
96)	Dimethylaminoazobenzene	15.43	225	105622	41.32	ng	98
97)	Butyl benzyl phthalate	16.25	149	208002	40.68	ng	99
98)	Benz(a)anthracene	17.25	228	480167	40.80	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

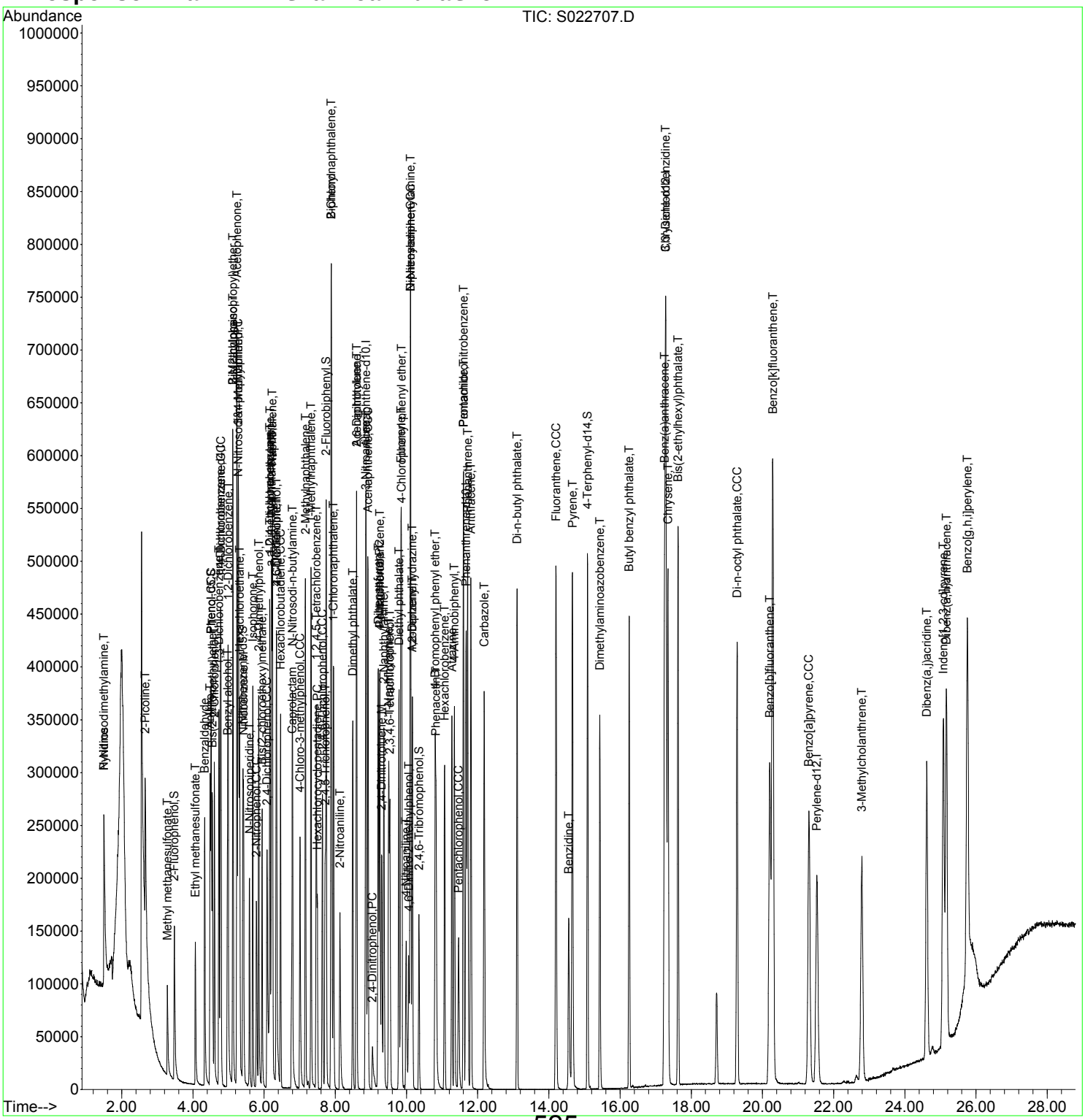
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.28	252	176969	41.78	ng		100
100)	Chrysene	17.34	228	463757	41.13	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.63	149	292173	40.52	ng		100
102)	Di-n-octyl phthalate	19.29	149	517644	40.06	ng		99
103)	3-Methylcholanthrene	22.79	268	217298	39.47	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.09	276	463283	38.50	ng	#	100
106)	Benzo[b]fluoranthene	20.20	252	475815	40.99	ng		98
107)	Benzo[k]fluoranthene	20.29	252	457280	38.95	ng		96
108)	Benzo[a]pyrene	21.31	252	449542	40.98	ng		99
109)	Dibenz(a,j)acridine	24.62	279	392213	39.88	ng		99
110)	Dibenz(a,h)anthracene	25.17	278	454292	40.54	ng		99
111)	Benzo[g,h,i]perylene	25.76	276	475041	39.63	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 Quant Results File: B022704.RES

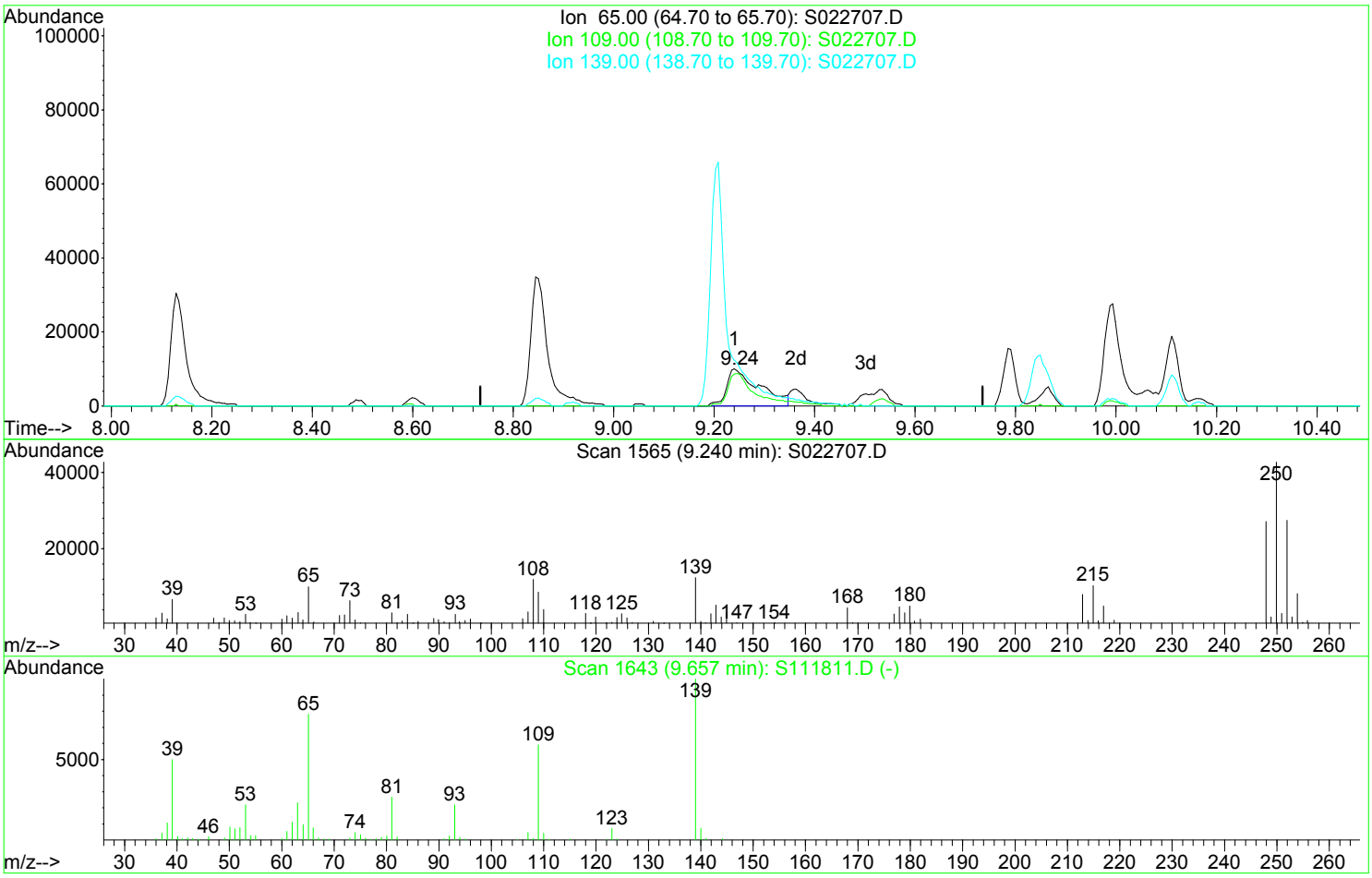
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(66) 4-Nitrophenol (PC)

9.24min 43.61ng m

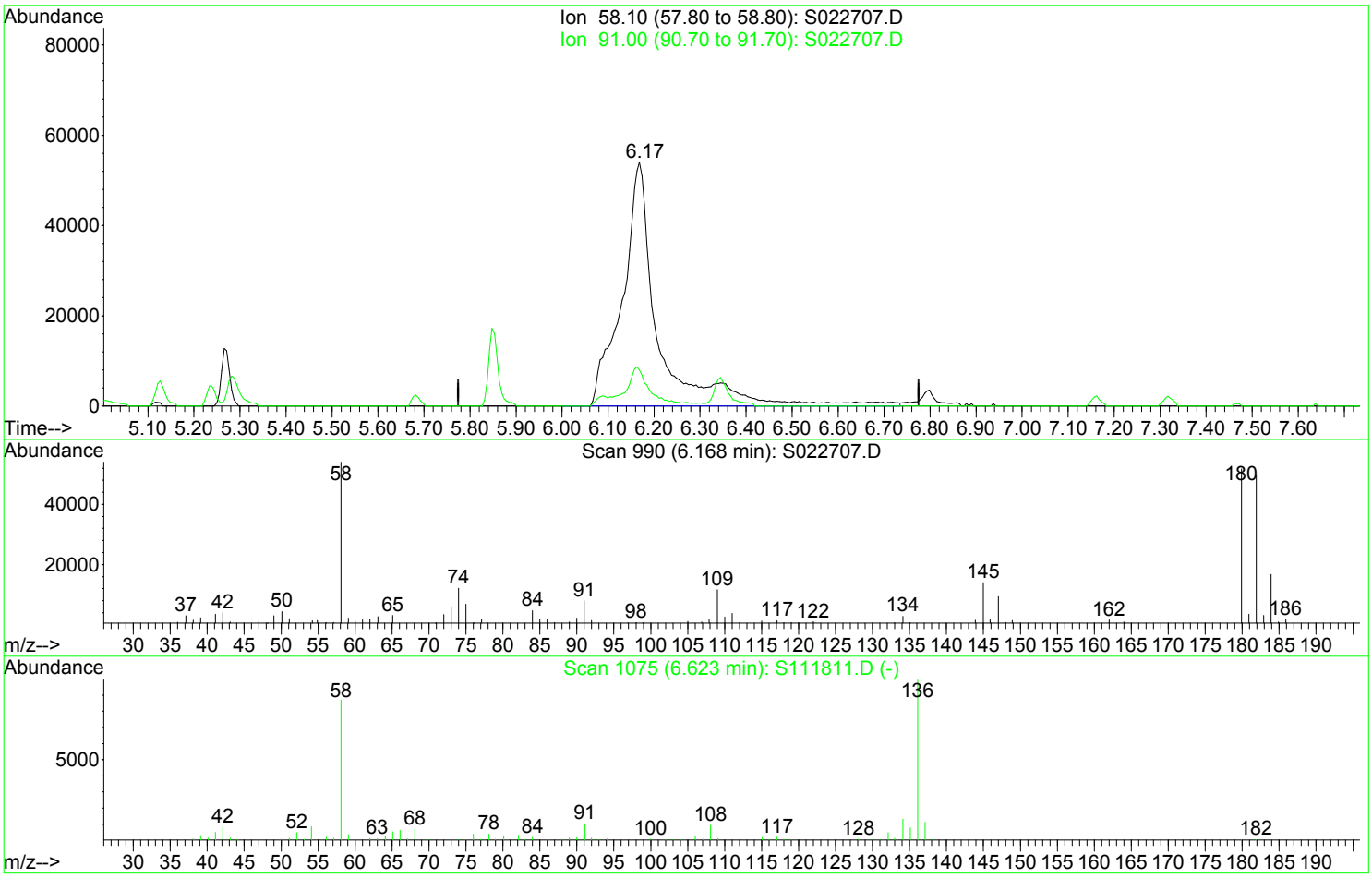
response 45198

Ion	Exp%	Act%
65.00	100	100
109.00	89.40	77.44
139.00	378.00	371.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(39) a,a-Dimethylphenethylamine (T)

6.17min 42.74ng m

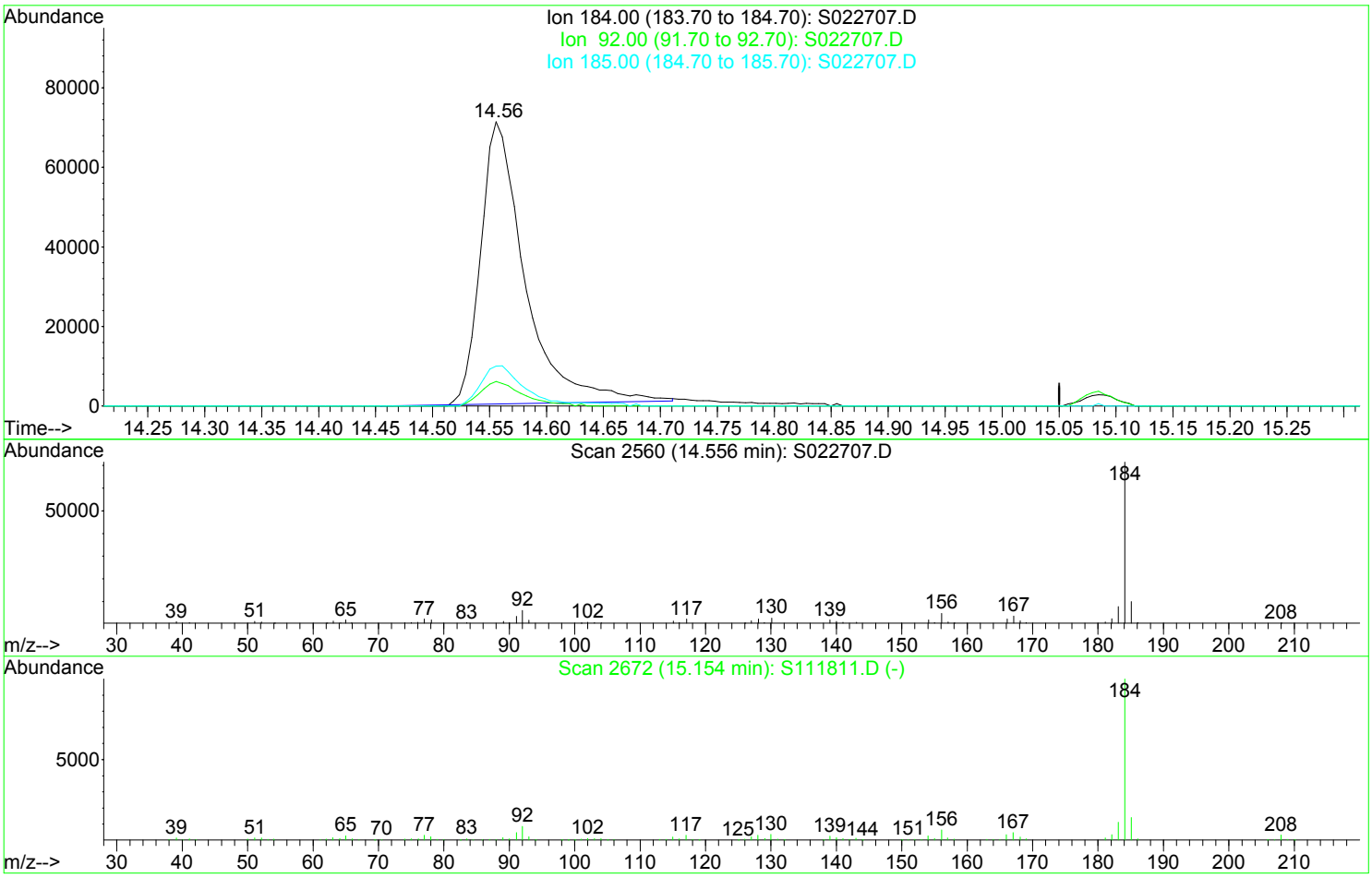
response 292350

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	7.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(95) Benzidine (T)

14.56min 42.13ng m

response 192041

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.25
185.00	13.80	14.73
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	89117	40.00	ng	0.00
23) Naphthalene-d8	6.22	136	332505	40.00	ng	0.00
45) Acenaphthene-d10	8.87	164	203572	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	361556	40.00	ng	0.00
92) Chrysene-d12	17.30	240	382188	40.00	ng	0.00
105) Perylene-d12	21.54	264	310647	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.48	112	157056	63.09	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 63.09%			
9) Phenol-d5	4.51	99	213818	61.78	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 61.78%			
24) Nitrobenzene-d5	5.40	82	206802	61.86	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 123.72%#			
50) 2-Fluorobiphenyl	7.75	172	437418	61.66	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 123.32%#			
72) 2,4,6-Tribromophenol	10.36	330	63366	61.76	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 61.76%			
94) 4-Terphenyl-d14	15.10	244	561345	61.00	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 122.00%			
Target Compounds						Qvalue
2) Pyridine	1.49	79	154429	61.45	ng	99
3) 2-Picoline	2.65	93	167277	62.45	ng	98
4) Methyl methanesulfonate	3.28	80	102940	63.71	ng	98
6) Ethyl methanesulfonate	4.07	79	134986	62.70	ng	99
7) Benzaldehyde	4.33	105	123339	70.88	µg	99
8) Aniline	4.49	66	101973	61.07	ng	91
10) Phenol	4.52	94	230572	62.85	ng	90
11) Bis(2-chloroethyl)ether	4.55	63	146313	61.95	ng	95
12) 2-Chlorophenol	4.60	128	186544	62.02	ng	99
13) 1,3-Dichlorobenzene	4.73	146	206568	61.37	ng	99
14) 1,4-Dichlorobenzene	4.79	146	212836	60.85	ng	100
15) 1,2-Dichlorobenzene	4.99	146	199017	60.96	ng	100
16) Benzyl alcohol	4.97	108	120089	62.74	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	297880	60.86	ng	99
18) 2-Methylphenol	5.13	107	142176	60.74	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.29	107	343725	121.28	ng		96
20)	N-Nitrosodi-n-propylamine	5.28	70	143546	61.29	ng		95
21)	N-Nitrosodimethylamine	1.49	42	78388	67.19	ng	#	92
22)	Hexachloroethane	5.32	117	80098	60.95	ng		99
25)	Acetophenone	5.24	105	513173	122.43	ng		99
26)	Nitrobenzene	5.43	77	211797	62.03	ng		98
27)	N-Nitrosopiperidine	5.60	114	92216	62.61	ng		99
28)	Isophorone	5.69	82	366709	61.11	ng		100
29)	2-Nitrophenol	5.79	139	104630	63.81	ng		98
30)	2,4-Dimethylphenol	5.85	122	165365	62.00	ng		99
31)	Bis(2-chloroethoxy)methane	5.95	93	209325	62.35	ng		100
32)	2,4-Dichlorophenol	6.08	162	160701	62.98	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	177942	61.87	ng		99
34)	Naphthalene	6.24	128	566825	61.32	ng		99
35)	Benzoic acid	6.14	122	5079	63.24	ng	#	45
36)	2,6-Dichlorophenol	6.36	162	157663	62.18	ng		100
37)	4-Chloroaniline	6.34	127	229985	62.75	ng		97
38)	Hexachlorobutadiene	6.47	225	103576	61.06	ng		99
39)	a,a-Dimethylphenethylamine	6.20	58	461629m	62.15	ng		
40)	Caprolactam	6.80	55	101263	62.34	µg		98
41)	4-Chloro-3-methylphenol	7.01	107	161718	62.10	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	173338	61.47	ng		99
43)	2-Methylnaphthalene	7.17	142	378842	61.80	ng		99
44)	1-Methylnaphthalene	7.32	142	379632	61.79	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	185039	60.97	ng		100
47)	Hexachlorocyclopentadiene	7.50	237	78305	60.19	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	118336	61.83	ng		99
49)	2,4,5-Trichlorophenol	7.72	196	130249	61.40	ng		99
51)	Biphenyl	7.89	154	525844	61.41	µg		99
52)	2-Chloronaphthalene	7.90	162	365642	61.88	ng		98
53)	1-Chloronaphthalene	7.96	162	352647	60.96	ng		98
54)	2-Nitroaniline	8.13	65	110140	63.30	ng		100
55)	3-Nitroaniline	8.86	138	103695	63.63	ng		99
56)	Pentachlorobenzene	9.26	250	166620	61.31	ng		100
57)	4-Nitroaniline	10.00	138	103547	60.12	ng		99
58)	2-Naphthylamine	9.37	143	354334	61.94	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	369740	62.96	ng		99
60)	Dimethyl phthalate	8.50	163	414403	61.81	ng		100
61)	Acenaphthylene	8.60	152	514200	61.92	ng		99
62)	2,6-Dinitrotoluene	8.61	165	92748	62.07	ng		98
63)	Acenaphthene	8.93	154	361230	61.23	ng		100
64)	2,4-Dinitrophenol	9.05	184	50642	59.43	ng		97
65)	Dibenzofuran	9.21	168	522162	61.11	ng		97
66)	4-Nitrophenol	9.24	65	60393	53.67	ng	#	70
67)	2,4-Dinitrotoluene	9.31	165	128353	62.48	ng		97
68)	2,3,4,6-Tetrachlorophenol	9.54	232	109179	62.17	ng		100
69)	Diethyl phthalate	9.80	149	412343	61.02	ng		100
70)	Fluorene	9.85	166	450164	61.87	ng		98
71)	4-Chlorophenyl phenyl ethe	9.88	204	215023	61.24	ng		99
74)	4,6-Dinitro-2-methylphenol	10.07	198	86525	60.61	ng		93
75)	Azobenzene	10.18	77	419798	61.54	ng		99
76)	1,2-Diphenylhydrazine	10.18	182	125847	62.80	ng		100
77)	Diphenylamine	10.12	170	85570	62.18	ng		100
78)	N-Nitrosodiphenylamine	10.12	168	425228	62.23	ng		100
79)	4-Bromophenyl phenyl ether	10.81	248	130689	62.30	ng		100
80)	Phenacetin	10.84	108	201356	63.98	ng		99
81)	Hexachlorobenzene	11.08	284	133184	61.86	ng		100
82)	Atrazine	11.29	200	131608	62.33	µg		100
83)	4-Aminobiphenyl	11.36	169	443141	63.02	ng		100
84)	Pentachlorophenol	11.47	266	79072	59.81	ng		99
85)	Pentachloronitrobenzene	11.62	237	56819	62.35	ng		99
86)	Pronamide	11.61	173	189333	62.56	ng		99
87)	Phenanthrene	11.73	178	657710	61.28	ng		100
88)	Anthracene	11.82	178	654250	61.45	ng		99
89)	Carbazole	12.19	167	606680	61.33	ng		99
90)	Di-n-butyl phthalate	13.11	149	727959	62.83	ng		100
91)	Fluoranthene	14.21	202	762554	62.21	ng		100
93)	Pyrene	14.67	202	776188	60.89	ng		99
95)	Benzidine	14.56	184	291961m	59.68	ng		
96)	Dimethylaminoazobenzene	15.44	225	170363	62.10	ng		99
97)	Butyl benzyl phthalate	16.27	149	338913	61.77	ng		99
98)	Benz(a)anthracene	17.26	228	776980	61.51	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

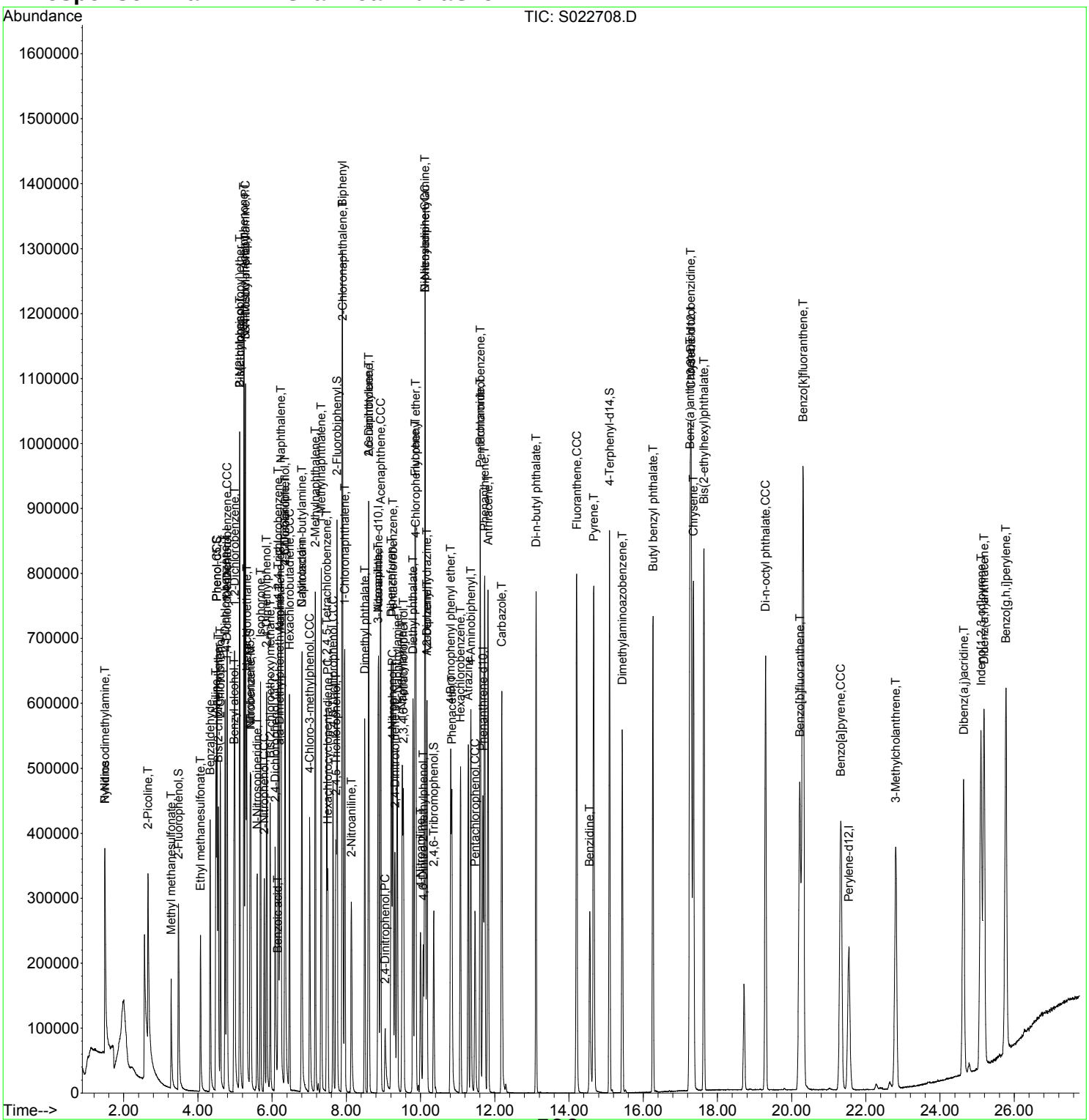
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	283342	62.33	ng		100
100)	Chrysene	17.36	228	734996	60.74	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.64	149	477912	61.75	ng		100
102)	Di-n-octyl phthalate	19.30	149	861345	62.12	ng		100
103)	3-Methylcholanthrene	22.80	268	361295	61.14	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.10	276	775214	60.03	ng	#	98
106)	Benzo[b]fluoranthene	20.22	252	776656	61.09	ng		98
107)	Benzo[k]fluoranthene	20.31	252	830900m	64.62	ng		
108)	Benzo[a]pyrene	21.33	252	744036	61.92	ng		100
109)	Dibenz(a,j)acridine	24.64	279	649873	60.33	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	742822	60.52	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	784956	59.79	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 Quant Results File: B022704.RES

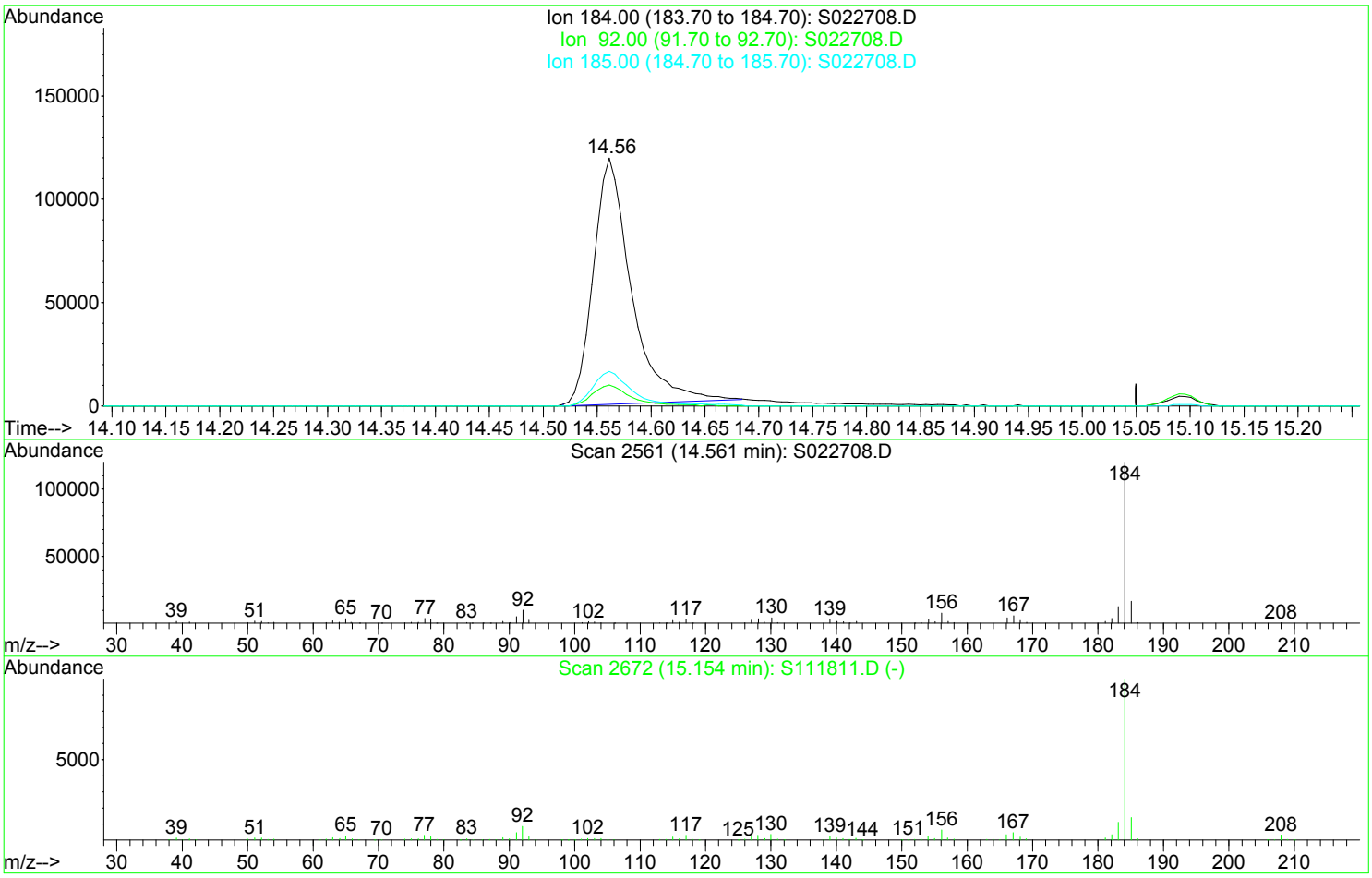
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(95) Benzidine (T)

14.56min 59.68ng m

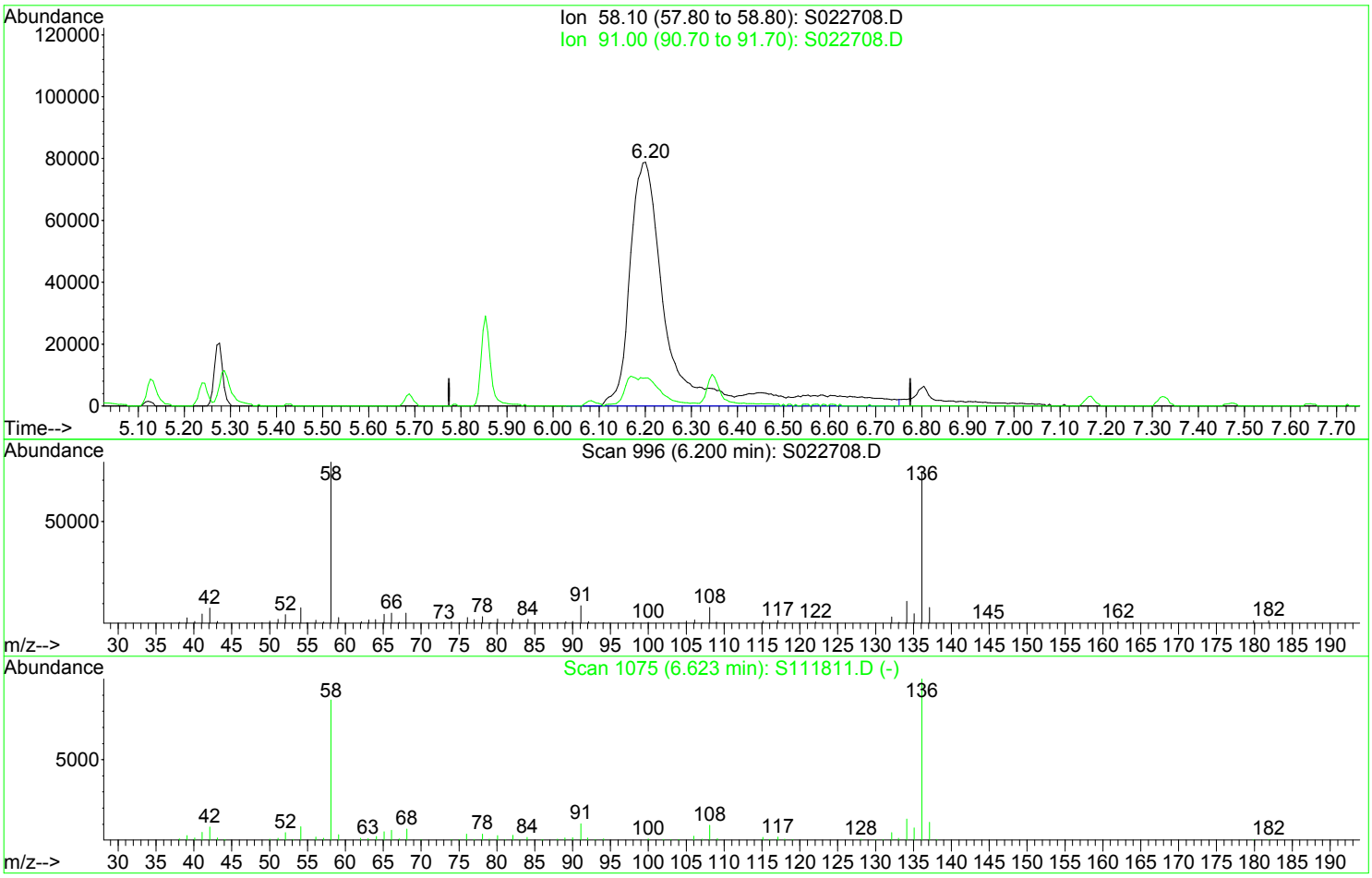
response 291961

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.65
185.00	13.80	14.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(39) a,a-Dimethylphenethylamine (T)

6.20min 62.15ng m

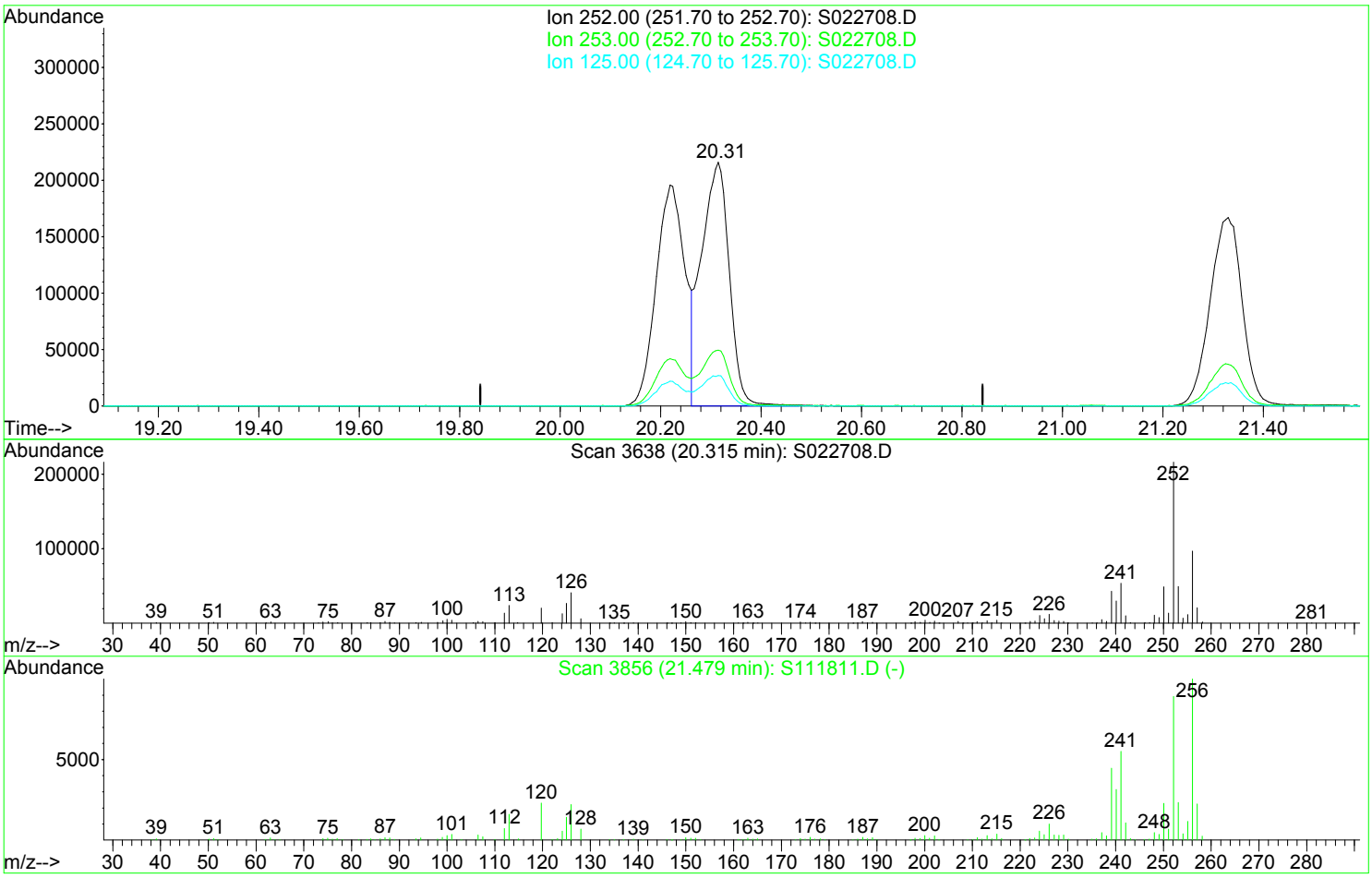
response 461629

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	4.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(107) Benzo[k]fluoranthene (T)

20.31min 64.62ng m

response 830900

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	20.88
125.00	11.40	10.64
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	78633	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	291981	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	178463	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	325118	40.00	ng	0.00
92) Chrysene-d12	17.29	240	345196	40.00	ng	0.00
105) Perylene-d12	21.53	264	279421	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	186220	84.77	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 84.77%			
9) Phenol-d5	4.51	99	254947	83.48	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 83.48%			
24) Nitrobenzene-d5	5.40	82	243669	83.01	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 166.02%#			
50) 2-Fluorobiphenyl	7.75	172	502776	80.84	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 161.68%#			
72) 2,4,6-Tribromophenol	10.36	330	74715	83.06	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 83.06%			
94) 4-Terphenyl-d14	15.09	244	670805	80.70	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 161.40%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	185205	83.52	ng	99
3) 2-Picoline	2.65	93	201338	85.19	ng	98
4) Methyl methanesulfonate	3.27	80	119633	83.92	ng	99
6) Ethyl methanesulfonate	4.06	79	157491	82.90	ng	100
7) Benzaldehyde	4.33	105	129211	84.16	µg	99
8) Aniline	4.48	66	127426	86.49	ng	98
10) Phenol	4.52	94	272848	84.29	ng	92
11) Bis(2-chloroethyl)ether	4.54	63	174295	83.64	ng	96
12) 2-Chlorophenol	4.60	128	217918	82.11	ng	99
13) 1,3-Dichlorobenzene	4.73	146	241299	81.25	ng	99
14) 1,4-Dichlorobenzene	4.79	146	248573	80.54	ng	100
15) 1,2-Dichlorobenzene	4.99	146	233219	80.96	ng	99
16) Benzyl alcohol	4.97	108	143384	84.90	ng	98
17) Bis(2-chloroisopropyl)ethe	5.12	45	349415	80.91	ng	99
18) 2-Methylphenol	5.13	107	167233	80.98	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	403737	161.45	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	167910	81.25	ng		99
21)	N-Nitrosodimethylamine	1.49	42	83642	81.26	ng		95
22)	Hexachloroethane	5.31	117	93453	80.59	ng		99
25)	Acetophenone	5.24	105	603700	164.01	ng		99
26)	Nitrobenzene	5.43	77	245047	81.73	ng		99
27)	N-Nitrosopiperidine	5.59	114	107617	83.20	ng		99
28)	Isophorone	5.69	82	431150	81.83	ng		100
29)	2-Nitrophenol	5.78	139	122299	84.94	ng		98
30)	2,4-Dimethylphenol	5.85	122	193567	82.64	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	242854	82.38	ng		100
32)	2,4-Dichlorophenol	6.08	162	187917	83.86	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	207371	82.11	ng		100
34)	Naphthalene	6.24	128	658755	81.16	ng		99
35)	Benzoic acid	6.01	122	9713	67.13	ng	#	76
36)	2,6-Dichlorophenol	6.35	162	183177	82.27	ng		99
37)	4-Chloroaniline	6.34	127	268510	83.43	ng		96
38)	Hexachlorobutadiene	6.46	225	119869	80.47	ng		99
39)	a,a-Dimethylphenethylamine	6.20	58	544446m	83.47	ng		
40)	Caprolactam	6.80	55	122859	86.13	µg		99
41)	4-Chloro-3-methylphenol	7.01	107	190841	83.46	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	202432	81.75	ng		99
43)	2-Methylnaphthalene	7.16	142	434511	80.72	ng		100
44)	1-Methylnaphthalene	7.32	142	438327	81.25	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	216290	81.30	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	94011	80.11	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	139863	83.36	ng		100
49)	2,4,5-Trichlorophenol	7.72	196	154722	83.19	ng		99
51)	Biphenyl	7.88	154	607783	80.96	µg		99
52)	2-Chloronaphthalene	7.90	162	420449	81.17	ng		99
53)	1-Chloronaphthalene	7.95	162	407542	80.37	ng		99
54)	2-Nitroaniline	8.13	65	129808	85.11	ng		99
55)	3-Nitroaniline	8.85	138	123826	86.67	ng		100
56)	Pentachlorobenzene	9.26	250	193733	81.32	ng		100
57)	4-Nitroaniline	10.00	138	125036	81.67	ng		99
58)	2-Naphthylamine	9.37	143	409418	81.63	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	424482	82.45	ng		100
60)	Dimethyl phthalate	8.50	163	482995	82.17	ng		100
61)	Acenaphthylene	8.59	152	593678	81.55	ng		100
62)	2,6-Dinitrotoluene	8.60	165	109540	83.62	ng		99
63)	Acenaphthene	8.92	154	420320	81.27	ng		100
64)	2,4-Dinitrophenol	9.04	184	64805	78.56	ng		99
65)	Dibenzofuran	9.21	168	609787	81.41	ng		98
66)	4-Nitrophenol	9.23	65	78566	79.64	ng	#	87
67)	2,4-Dinitrotoluene	9.31	165	154897	86.01	ng		97
68)	2,3,4,6-Tetrachlorophenol	9.54	232	130237	84.59	ng		99
69)	Diethyl phthalate	9.80	149	486498	82.12	ng		99
70)	Fluorene	9.84	166	517826	81.18	ng		99
71)	4-Chlorophenyl phenyl ethe	9.87	204	251344	81.65	ng		98
74)	4,6-Dinitro-2-methylphenol	10.07	198	105886	79.91	ng		95
75)	Azobenzene	10.17	77	500553	81.60	ng		99
76)	1,2-Diphenylhydrazine	10.17	182	146595	81.35	ng		96
77)	Diphenylamine	10.12	170	99185	80.16	ng		98
78)	N-Nitrosodiphenylamine	10.12	168	497534	80.97	ng		100
79)	4-Bromophenyl phenyl ether	10.81	248	153910	81.59	ng		99
80)	Phenacetin	10.84	108	245084	86.60	ng		99
81)	Hexachlorobenzene	11.08	284	155783	80.46	ng		100
82)	Atrazine	11.29	200	155733	82.02	µg		99
83)	4-Aminobiphenyl	11.35	169	519590	82.17	ng		100
84)	Pentachlorophenol	11.47	266	97058	78.62	ng		99
85)	Pentachloronitrobenzene	11.62	237	66640	81.32	ng		99
86)	Pronamide	11.60	173	225879	83.00	ng		99
87)	Phenanthrene	11.72	178	778237	80.64	ng		100
88)	Anthracene	11.81	178	774866	80.93	ng		99
89)	Carbazole	12.18	167	729511	82.01	ng		99
90)	Di-n-butyl phthalate	13.11	149	865175	83.04	ng		100
91)	Fluoranthene	14.20	202	910158	82.57	ng		100
93)	Pyrene	14.66	202	926105	80.43	ng		99
95)	Benzidine	14.56	184	331611m	75.04	ng		
96)	Dimethylaminoazobenzene	15.44	225	206386	83.30	ng		99
97)	Butyl benzyl phthalate	16.26	149	405169	81.75	ng		100
98)	Benz(a)anthracene	17.25	228	928717	81.40	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

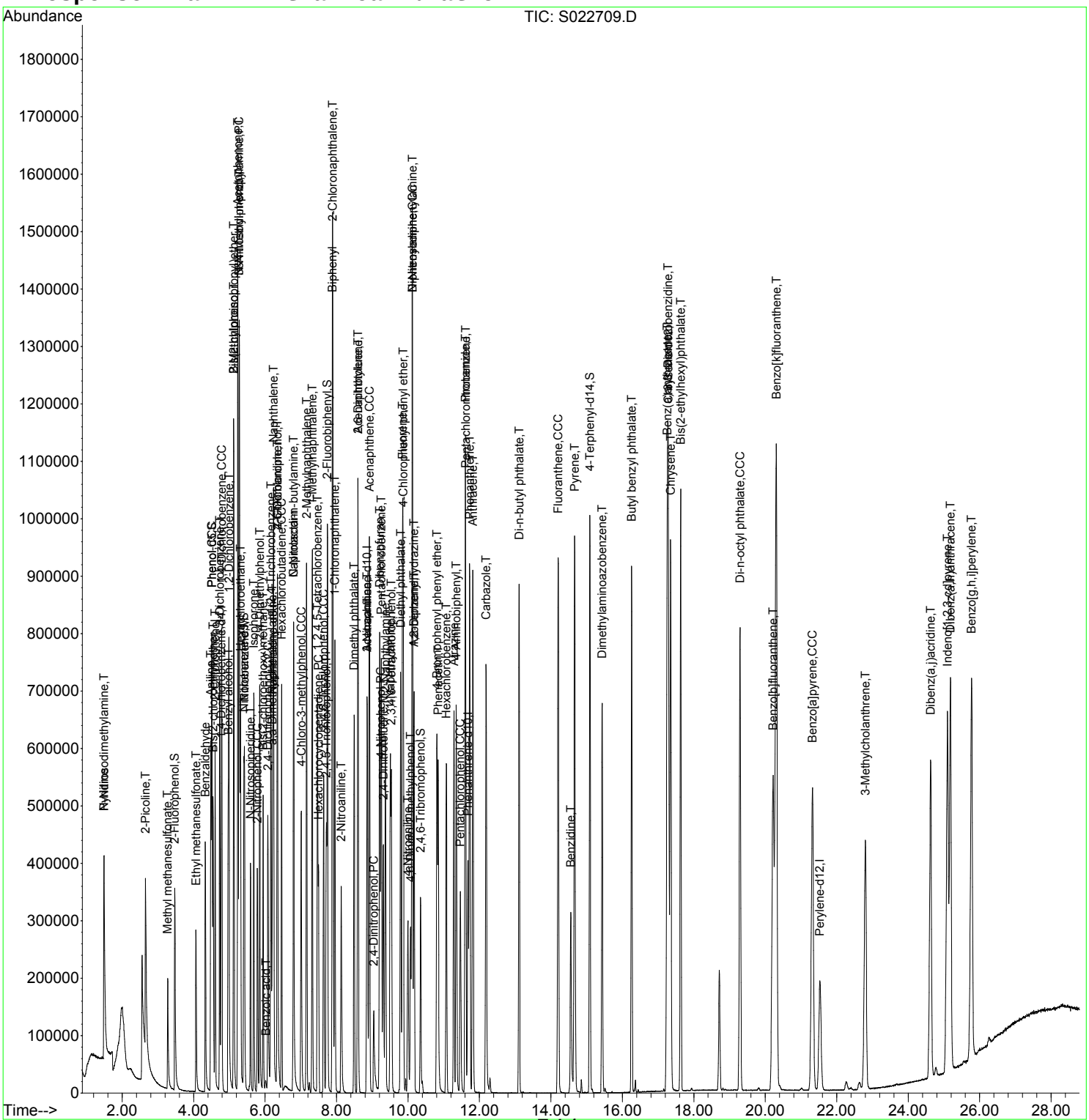
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	337687	82.25	ng		100
100)	Chrysene	17.35	228	874446	80.00	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.63	149	571053	81.70	ng		100
102)	Di-n-octyl phthalate	19.29	149	1033948	82.55	ng		100
103)	3-Methylcholanthrene	22.80	268	433966	81.31	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.10	276	945094	81.02	ng	#	99
106)	Benzo[b]fluoranthene	20.22	252	959185	83.87	ng		100
107)	Benzo[k]fluoranthene	20.31	252	960489m	83.04	ng		
108)	Benzo[a]pyrene	21.32	252	888151	82.18	ng		100
109)	Dibenz(a,j)acridine	24.63	279	790695	81.60	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	896396	81.19	ng		100
111)	Benzo[g,h,i]perylene	25.77	276	957683	81.10	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 Quant Results File: B022704.RES

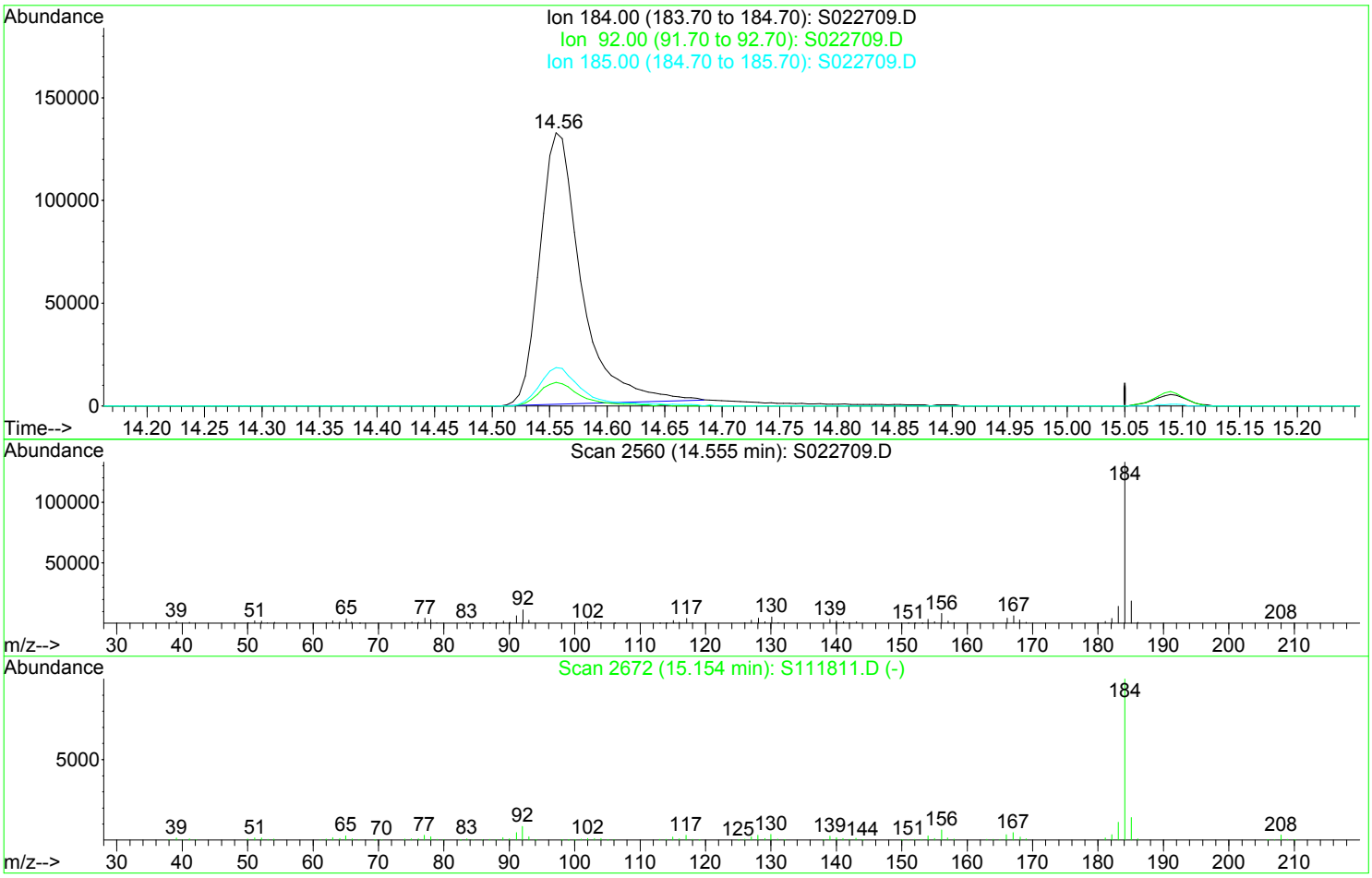
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D **Vial: 6**
Acq On : 27 Feb 2004 3:44 pm **Operator: YH**
Sample : BNA80 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(95) Benzidine (T)

14.56min 75.04ng m

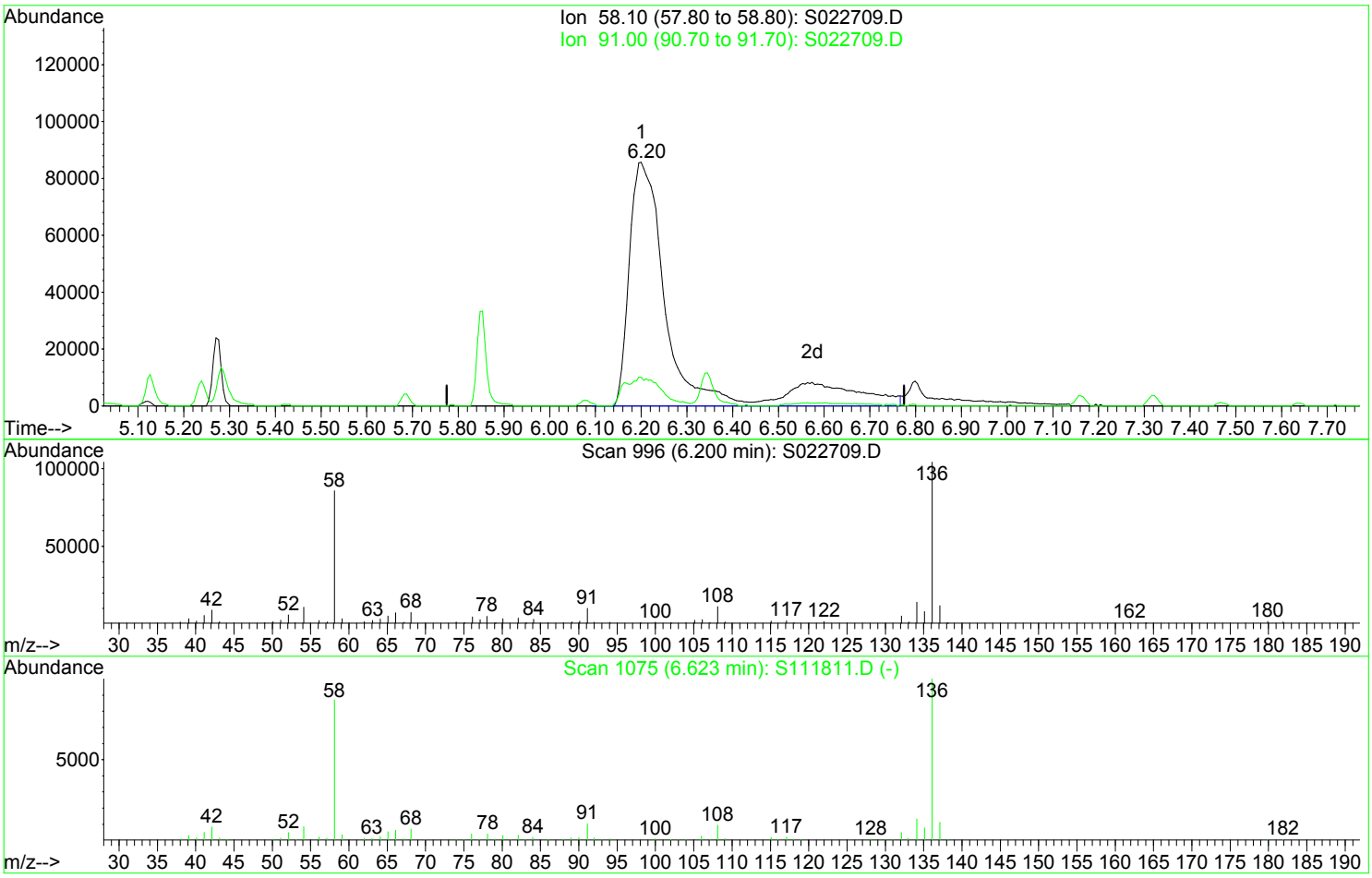
response 331611

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.69
185.00	13.80	14.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(39) a,a-Dimethylphenethylamine (T)

6.20min 83.47ng m

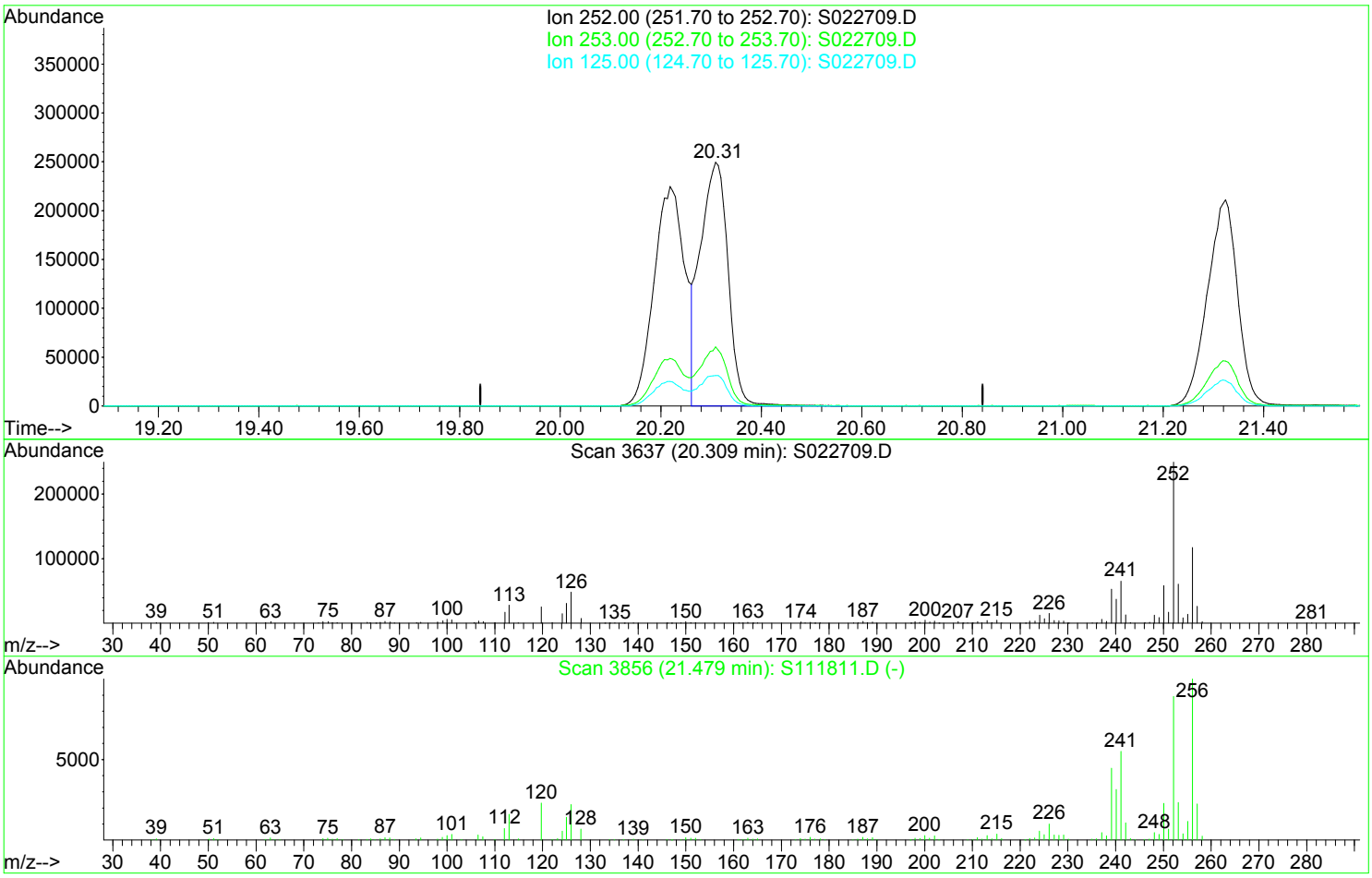
response 544446

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	2.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D **Vial: 6**
Acq On : 27 Feb 2004 3:44 pm **Operator: YH**
Sample : BNA80 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(107) Benzo[k]fluoranthene (T)

20.31min 83.04ng m

response 960489

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.27
125.00	11.40	10.97
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	77964	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	291799	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	179545	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	327599	40.00	ng	0.00
92) Chrysene-d12	17.29	240	341302	40.00	ng	0.00
105) Perylene-d12	21.51	264	288313	40.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	279069	128.13	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 128.13%#			
9) Phenol-d5	4.51	99	378196	124.91	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 124.91%#			
24) Nitrobenzene-d5	5.40	82	362402	123.53	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 247.06%#			
50) 2-Fluorobiphenyl	7.74	172	738958	118.10	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 236.20%#			
72) 2,4,6-Tribromophenol	10.35	330	114671	126.71	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 126.71%#			
94) 4-Terphenyl-d14	15.08	244	987793	120.20	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 240.40%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	274602	124.90	ng	99
3) 2-Picoline	2.65	93	293840	125.40	ng	99
4) Methyl methanesulfonate	3.28	80	177787	125.78	ng	99
6) Ethyl methanesulfonate	4.06	79	234919	124.72	ng	100
7) Benzaldehyde	4.33	105	146880m	96.49	µg	
8) Aniline	4.48	66	191662	131.21	ng	98
10) Phenol	4.52	94	402063	125.27	ng	90
11) Bis(2-chloroethyl)ether	4.54	63	258036	124.89	ng	97
12) 2-Chlorophenol	4.60	128	322215	122.45	ng	99
13) 1,3-Dichlorobenzene	4.73	146	352803	119.81	ng	99
14) 1,4-Dichlorobenzene	4.78	146	362062	118.32	ng	100
15) 1,2-Dichlorobenzene	4.99	146	340802	119.32	ng	99
16) Benzyl alcohol	4.97	108	212919	127.15	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	506967	118.40	ng	100
18) 2-Methylphenol	5.13	107	248375	121.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	3&4-Methylphenol	5.28	107	596401	240.53	ng	98
20)	N-Nitrosodi-n-propylamine	5.28	70	246799	120.44	ng	99
21)	N-Nitrosodimethylamine	1.49	42	129476	126.86	ng	99
22)	Hexachloroethane	5.31	117	136233	118.49	ng	99
25)	Acetophenone	5.24	105	887932	241.38	ng	100
26)	Nitrobenzene	5.43	77	353666	118.03	ng	100
27)	N-Nitrosopiperidine	5.60	114	159199	123.16	ng	98
28)	Isophorone	5.69	82	637660	121.09	ng	100
29)	2-Nitrophenol	5.78	139	182330	126.71	ng	100
30)	2,4-Dimethylphenol	5.85	122	286019	122.19	ng	100
31)	Bis(2-chloroethoxy)methane	5.94	93	357814	121.46	ng	100
32)	2,4-Dichlorophenol	6.08	162	276899	123.65	ng	100
33)	1,2,4-Trichlorobenzene	6.16	180	303272	120.16	ng	100
34)	Naphthalene	6.23	128	964887	118.95	ng	100
35)	Benzoic acid	6.03	122	76083	116.29	ng	97
36)	2,6-Dichlorophenol	6.35	162	266668	119.84	ng	99
37)	4-Chloroaniline	6.34	127	392829	122.13	ng	97
38)	Hexachlorobutadiene	6.46	225	180024	120.92	ng	100
39)	a,a-Dimethylphenethylamine	6.24	58	875180m	134.27	ng	
40)	Caprolactam	6.80	55	183876	128.98	µg	98
41)	4-Chloro-3-methylphenol	7.01	107	285577	124.96	ng	99
42)	N-Nitrosodi-n-butylamine	6.80	84	303378	122.59	ng	98
43)	2-Methylnaphthalene	7.16	142	645237	119.94	ng	99
44)	1-Methylnaphthalene	7.32	142	642549	119.17	ng	100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	315746	117.97	ng	100
47)	Hexachlorocyclopentadiene	7.49	237	146014	120.27	ng	99
48)	2,4,6-Trichlorophenol	7.64	196	210358	124.63	ng	99
49)	2,4,5-Trichlorophenol	7.71	196	229975	122.91	ng	99
51)	Biphenyl	7.88	154	886499	117.38	µg	99
52)	2-Chloronaphthalene	7.90	162	612724	117.57	ng	100
53)	1-Chloronaphthalene	7.95	162	597624	117.14	ng	99
54)	2-Nitroaniline	8.13	65	196436	128.01	ng	99
55)	3-Nitroaniline	8.85	138	187177	130.23	ng	100
56)	Pentachlorobenzene	9.25	250	285972	119.31	ng	100
57)	4-Nitroaniline	10.00	138	190534	122.14	ng	99
58)	2-Naphthylamine	9.37	143	586851	116.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.51	143	587418	113.42	ng	98
60)	Dimethyl phthalate	8.50	163	709083	119.91	ng	100
61)	Acenaphthylene	8.59	152	883412	120.62	ng	100
62)	2,6-Dinitrotoluene	8.60	165	164994	125.19	ng	98
63)	Acenaphthene	8.92	154	619377	119.04	ng	100
64)	2,4-Dinitrophenol	9.04	184	108570	118.97	ng	99
65)	Dibenzofuran	9.21	168	900731	119.52	ng	99
66)	4-Nitrophenol	9.23	65	125387	126.34	ng	95
67)	2,4-Dinitrotoluene	9.31	165	231771	127.92	ng	100
68)	2,3,4,6-Tetrachlorophenol	9.53	232	196470	126.84	ng	99
69)	Diethyl phthalate	9.80	149	722375	121.21	ng	100
70)	Fluorene	9.84	166	767740	119.63	ng	99
71)	4-Chlorophenyl phenyl ethe	9.87	204	368146	118.88	ng	99
74)	4,6-Dinitro-2-methylphenol	10.08	198	166605	120.78	ng	97
75)	Azobenzene	10.17	77	738778	119.52	ng	100
76)	1,2-Diphenylhydrazine	10.17	182	219307	120.78	ng	98
77)	Diphenylamine	10.12	170	148083	118.77	ng	99
78)	N-Nitrosodiphenylamine	10.12	168	737410	119.10	ng	99
79)	4-Bromophenyl phenyl ether	10.81	248	231141	121.60	ng	100
80)	Phenacetin	10.85	108	371729	130.36	ng	100
81)	Hexachlorobenzene	11.07	284	231225	118.53	ng	99
82)	Atrazine	11.29	200	231898	121.21	µg	100
83)	4-Aminobiphenyl	11.35	169	747105	117.26	ng	100
84)	Pentachlorophenol	11.46	266	155060	119.81	ng	100
85)	Pentachloronitrobenzene	11.62	237	100833	122.12	ng	100
86)	Pronamide	11.61	173	336527	122.72	ng	100
87)	Phenanthrene	11.72	178	1148212	118.07	ng	100
88)	Anthracene	11.81	178	1153757	119.60	ng	99
89)	Carbazole	12.18	167	1094707	122.13	ng	100
90)	Di-n-butyl phthalate	13.11	149	1273918	121.34	ng	100
91)	Fluoranthene	14.20	202	1345816	121.18	ng	100
93)	Pyrene	14.66	202	1362065	119.64	ng	100
95)	Benzidine	14.55	184	466676m	106.81	ng	
96)	Dimethylaminoazobenzene	15.43	225	304975	124.49	ng	99
97)	Butyl benzyl phthalate	16.25	149	602703	123.00	ng	100
98)	Benz(a)anthracene	17.25	228	1368296	121.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

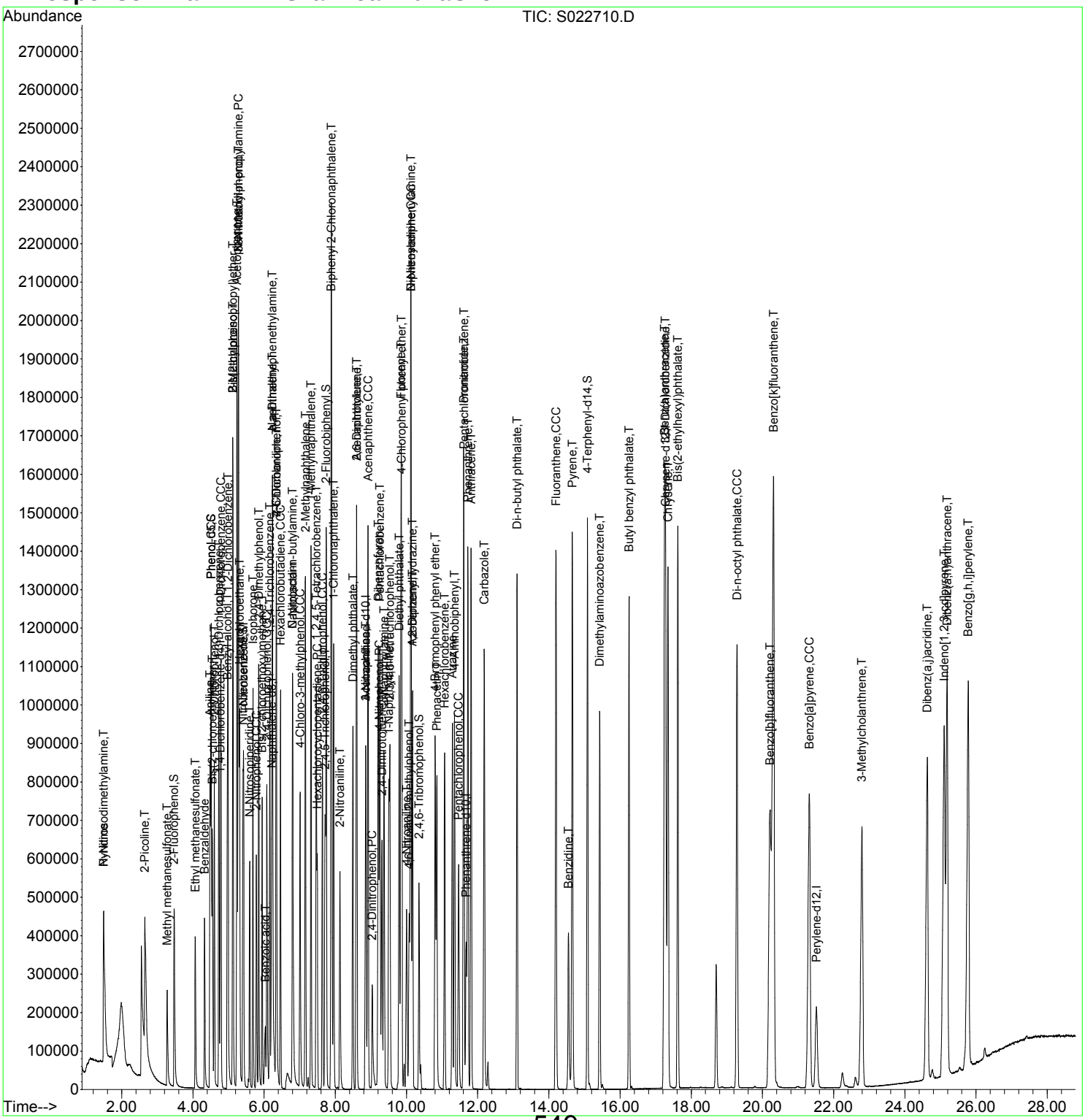
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	483990	119.23	ng		100
100)	Chrysene	17.34	228	1278899	118.34	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.62	149	843663	122.08	ng		100
102)	Di-n-octyl phthalate	19.29	149	1525475	123.19	ng		100
103)	3-Methylcholanthrene	22.79	268	668327	126.65	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.11	276	1512747	131.17	ng	#	99
106)	Benzo[b]fluoranthene	20.21	252	1428669	121.08	ng		98
107)	Benzo[k]fluoranthene	20.31	252	1430682m	119.88	ng		
108)	Benzo[a]pyrene	21.32	252	1357230	121.70	ng		100
109)	Dibenz(a,j)acridine	24.63	279	1280754	128.11	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	1433416	125.83	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	1553574	127.50	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 Quant Results File: B022704.RES

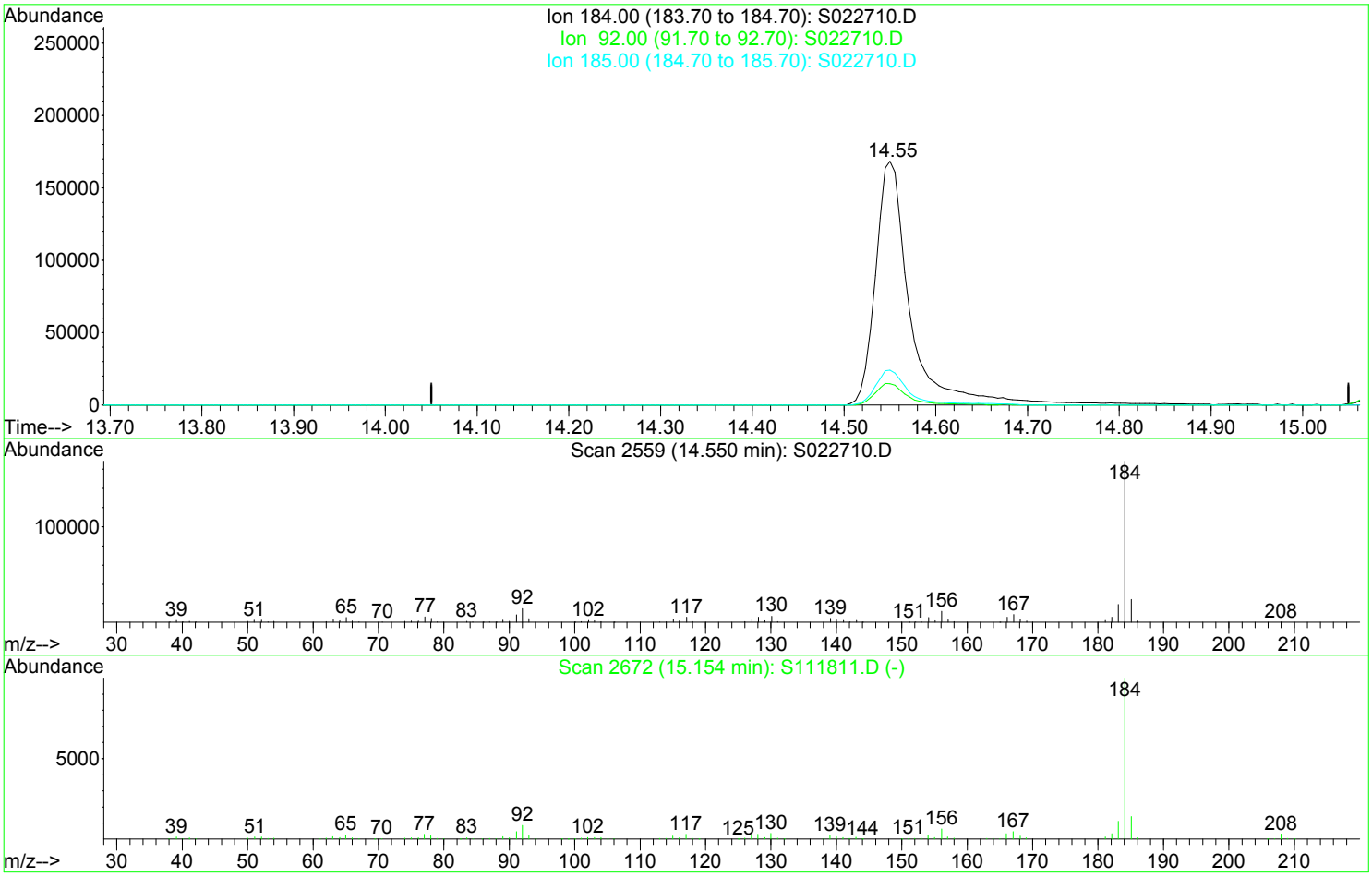
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(95) Benzidine (T)

14.55min 106.81ng m

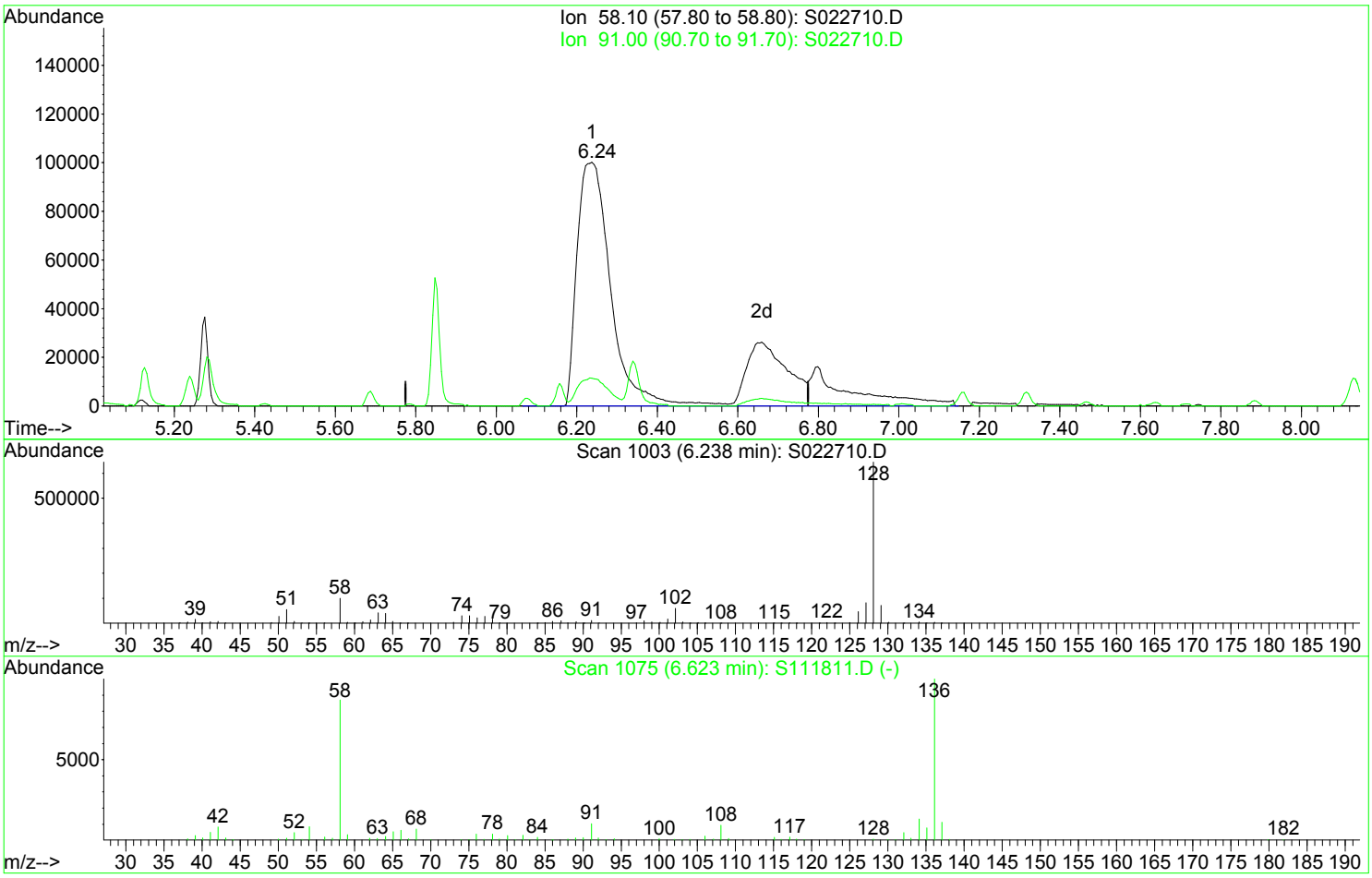
response 466676

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	7.84
185.00	13.80	13.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(39) a,a-Dimethylphenethylamine (T)

6.24min 134.27ng m

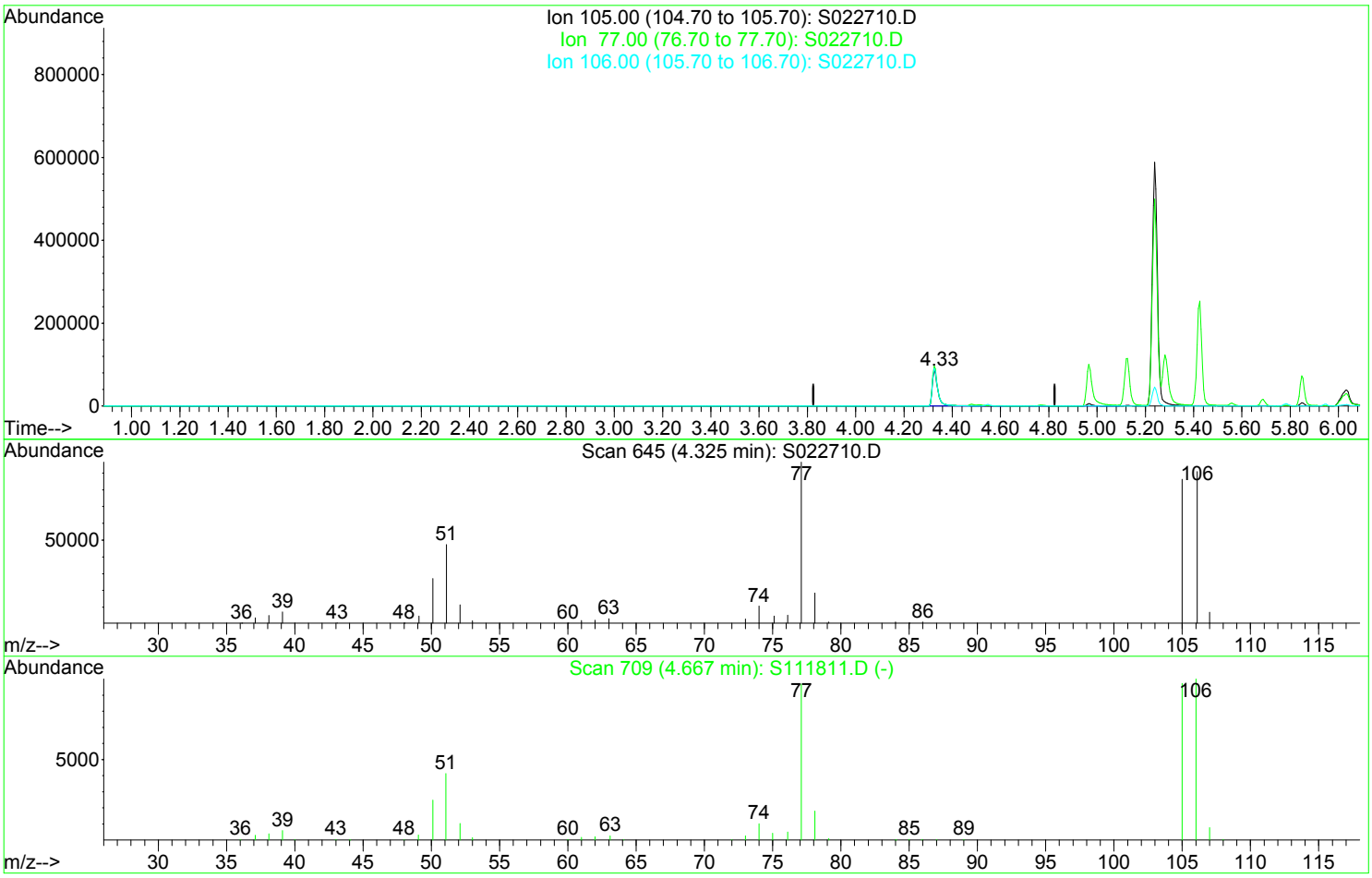
response 875180

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	6.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(7) Benzaldehyde

4.33min 96.49µg m

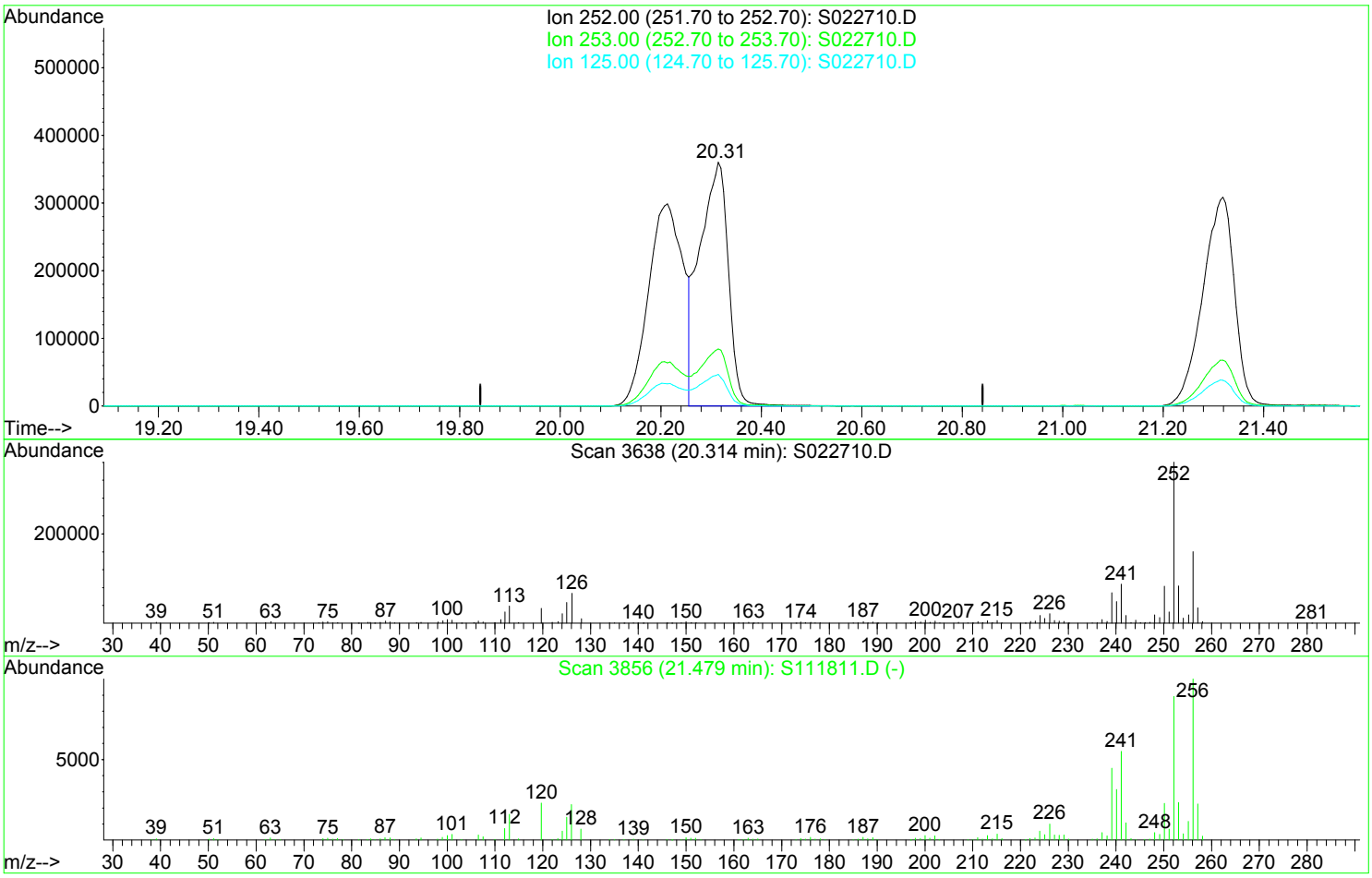
response 146880

Ion	Exp%	Act%
105.00	100	100
77.00	108.70	103.27
106.00	102.80	97.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(107) Benzo[k]fluoranthene (T)

20.31min 119.88ng m

response 1430682

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.30
125.00	11.40	11.58
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	79482	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	300414	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	184075	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	331661	40.00	ng	0.00
92) Chrysene-d12	17.29	240	345523	40.00	ng	0.00
105) Perylene-d12	21.53	264	296025	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	379476	170.91	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 170.91%#			
9) Phenol-d5	4.51	99	505356	163.71	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 163.71%#			
24) Nitrobenzene-d5	5.41	82	488389	161.70	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 323.40%#			
50) 2-Fluorobiphenyl	7.75	172	989601	154.26	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 308.52%#			
72) 2,4,6-Tribromophenol	10.36	330	154106	166.10	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 166.10%#			
94) 4-Terphenyl-d14	15.09	244	1306474	157.03	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 314.06%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	377846	168.57	ng	100
3) 2-Picoline	2.65	93	403045	168.72	ng	100
4) Methyl methanesulfonate	3.28	80	239711	166.35	ng	100
6) Ethyl methanesulfonate	4.07	79	317684	165.44	ng	100
7) Benzaldehyde	4.33	105	119940	77.29	µg	100
8) Aniline	4.48	66	253946	170.53	ng	100
10) Phenol	4.52	94	538055	164.45	ng	100
11) Bis(2-chloroethyl)ether	4.55	63	342513	162.61	ng	100
12) 2-Chlorophenol	4.60	128	433382	161.55	ng	100
13) 1,3-Dichlorobenzene	4.73	146	471335	157.00	ng	100
14) 1,4-Dichlorobenzene	4.78	146	488966	156.74	ng	100
15) 1,2-Dichlorobenzene	4.99	146	452197	155.29	ng	100
16) Benzyl alcohol	4.97	108	287914	168.65	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	679909	155.76	ng	100
18) 2-Methylphenol	5.13	107	330701	158.42	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	3&4-Methylphenol	5.29	107	786639	311.20	ng	100
20)	N-Nitrosodi-n-propylamine	5.28	70	330476	158.20	ng	100
21)	N-Nitrosodimethylamine	1.49	42	177402	170.50	ng	100
22)	Hexachloroethane	5.31	117	183628	156.66	ng	100
25)	Acetophenone	5.24	105	1180767	311.78	ng	100
26)	Nitrobenzene	5.43	77	483907	156.86	ng	100
27)	N-Nitrosopiperidine	5.60	114	217027	163.08	ng	100
28)	Isophorone	5.69	82	859283	158.50	ng	100
29)	2-Nitrophenol	5.78	139	245640	165.81	ng	100
30)	2,4-Dimethylphenol	5.85	122	385929	160.14	ng	100
31)	Bis(2-chloroethoxy)methane	5.95	93	486829	160.51	ng	100
32)	2,4-Dichlorophenol	6.08	162	373181	161.86	ng	100
33)	1,2,4-Trichlorobenzene	6.16	180	407064	156.65	ng	100
34)	Naphthalene	6.24	128	1285923	153.98	ng	100
35)	Benzoic acid	6.06	122	137356	158.76	ng	100
36)	2,6-Dichlorophenol	6.35	162	361016	157.58	ng	100
37)	4-Chloroaniline	6.34	127	511838	154.57	ng	100
38)	Hexachlorobutadiene	6.46	225	240666	157.02	ng	100
39)	a,a-Dimethylphenethylamine	6.28	58	1151897m	171.65	ng	
40)	Caprolactam	6.84	55	247785	168.83	µg	100
41)	4-Chloro-3-methylphenol	7.01	107	385338	163.78	ng	100
42)	N-Nitrosodi-n-butylamine	6.80	84	408671	160.40	ng	100
43)	2-Methylnaphthalene	7.16	142	856844	154.71	ng	100
44)	1-Methylnaphthalene	7.32	142	857912	154.55	ng	100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	426396	155.39	ng	100
47)	Hexachlorocyclopentadiene	7.49	237	201948	160.07	ng	100
48)	2,4,6-Trichlorophenol	7.64	196	279954	161.78	ng	100
49)	2,4,5-Trichlorophenol	7.72	196	308054	160.59	ng	100
51)	Biphenyl	7.89	154	1177224	152.04	µg	100
52)	2-Chloronaphthalene	7.90	162	809471	151.50	ng	100
53)	1-Chloronaphthalene	7.96	162	796661	152.31	ng	100
54)	2-Nitroaniline	8.13	65	267803	170.23	ng	100
55)	3-Nitroaniline	8.86	138	251104	170.40	ng	100
56)	Pentachlorobenzene	9.26	250	380532	154.85	ng	100
57)	4-Nitroaniline	10.01	138	253612	157.67	ng	100
58)	2-Naphthylamine	9.37	143	748834	144.75	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.51	143	751457	141.52	ng	100
60)	Dimethyl phthalate	8.50	163	959294	158.23	ng	100
61)	Acenaphthylene	8.59	152	1175754	156.59	ng	100
62)	2,6-Dinitrotoluene	8.61	165	218960	162.04	ng	100
63)	Acenaphthene	8.92	154	825805	154.81	ng	100
64)	2,4-Dinitrophenol	9.04	184	158208	161.59	ng	100
65)	Dibenzofuran	9.21	168	1203925	155.82	ng	100
66)	4-Nitrophenol	9.23	65	175125	172.12	ng	100
67)	2,4-Dinitrotoluene	9.31	165	310981	167.41	ng	100
68)	2,3,4,6-Tetrachlorophenol	9.54	232	264881	166.80	ng	100
69)	Diethyl phthalate	9.80	149	960570	157.21	ng	100
70)	Fluorene	9.85	166	1012576	153.90	ng	100
71)	4-Chlorophenyl phenyl ethe	9.87	204	485485	152.91	ng	100
74)	4,6-Dinitro-2-methylphenol	10.08	198	226017	159.41	ng	100
75)	Azobenzene	10.17	77	971958	155.32	ng	100
76)	1,2-Diphenylhydrazine	10.17	182	291990	158.84	ng	100
77)	Diphenylamine	10.13	170	194142	153.80	ng	100
78)	N-Nitrosodiphenylamine	10.13	168	966770	154.23	ng	100
79)	4-Bromophenyl phenyl ether	10.81	248	309576	160.87	ng	100
80)	Phenacetin	10.86	108	502501	174.06	ng	100
81)	Hexachlorobenzene	11.07	284	310799	157.36	ng	100
82)	Atrazine	11.30	200	301920	155.88	µg	100
83)	4-Aminobiphenyl	11.36	169	942005	146.03	ng	100
84)	Pentachlorophenol	11.47	266	214945	160.99	ng	100
85)	Pentachloronitrobenzene	11.62	237	134109	160.43	ng	100
86)	Pronamide	11.61	173	447988	161.36	ng	100
87)	Phenanthrene	11.73	178	1530694	155.47	ng	100
88)	Anthracene	11.82	178	1524127	156.05	ng	100
89)	Carbazole	12.19	167	1459236	160.81	ng	100
90)	Di-n-butyl phthalate	13.11	149	1687329	158.75	ng	100
91)	Fluoranthene	14.20	202	1786988	158.93	ng	100
93)	Pyrene	14.66	202	1807415	156.82	ng	100
95)	Benzidine	14.55	184	507939m	114.84	ng	
96)	Dimethylaminoazobenzene	15.43	225	403166	162.56	ng	100
97)	Butyl benzyl phthalate	16.25	149	802811	161.84	ng	100
98)	Benz(a)anthracene	17.25	228	1811938	158.67	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

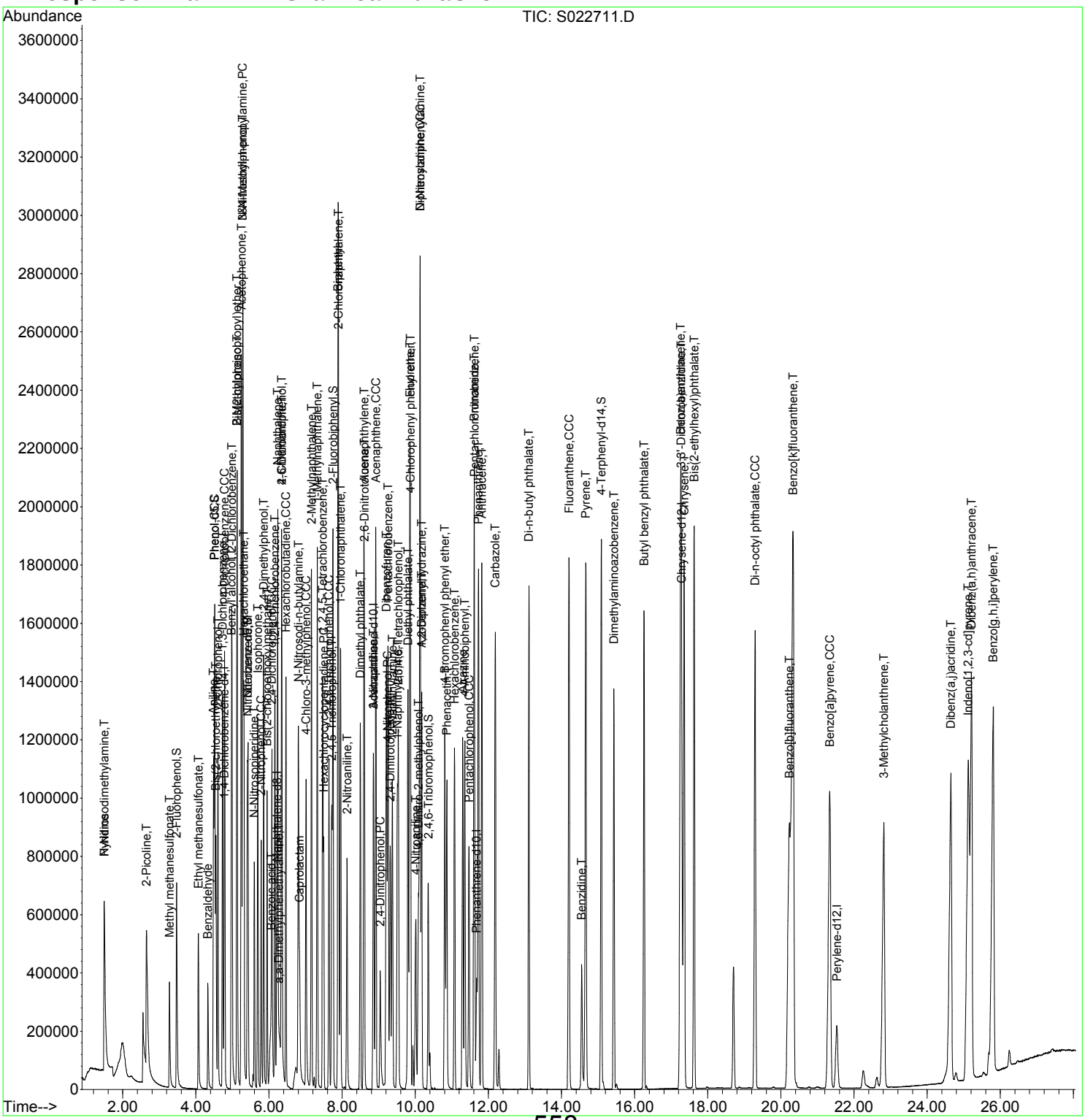
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.28	252	616182	149.94	ng		100
100)	Chrysene	17.35	228	1690240	154.49	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.63	149	1117204	159.68	ng		100
102)	Di-n-octyl phthalate	19.29	149	2026215	161.63	ng		100
103)	3-Methylcholanthrene	22.81	268	910484	170.43	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.13	276	2100990	179.95	ng	#	100
106)	Benzo[b]fluoranthene	20.23	252	1985521	163.88	ng		100
107)	Benzo[k]fluoranthene	20.34	252	1915755m	156.34	ng		
108)	Benzo[a]pyrene	21.33	252	1827606	159.61	ng		100
109)	Dibenz(a,j)acridine	24.65	279	1754578	170.93	ng		100
110)	Dibenz(a,h)anthracene	25.21	278	1955766	167.21	ng		100
111)	Benzo[g,h,i]perylene	25.81	276	2144221	171.39	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 Quant Results File: B022704.RES

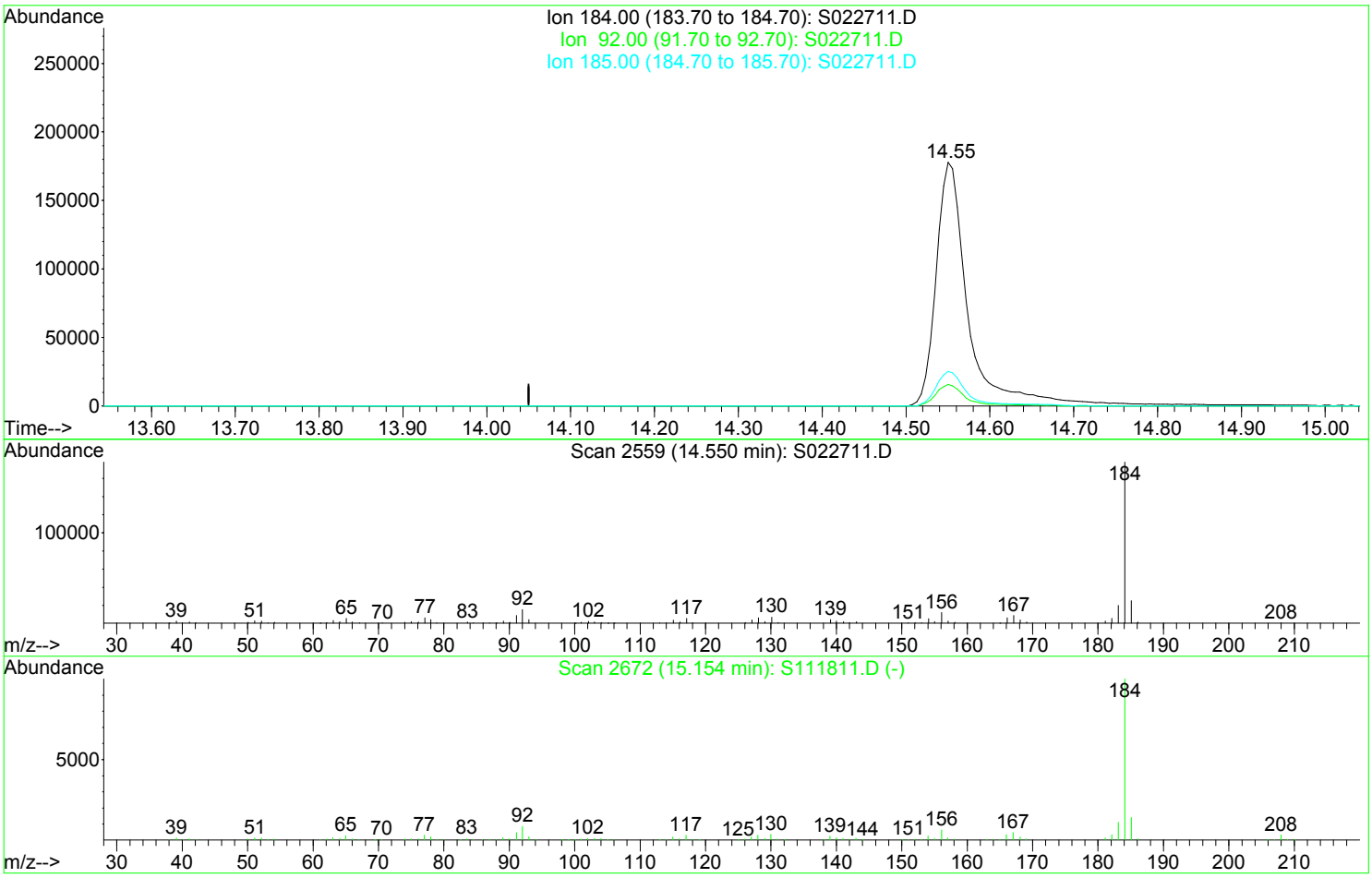
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(95) Benzidine (T)

14.55min 114.84ng m

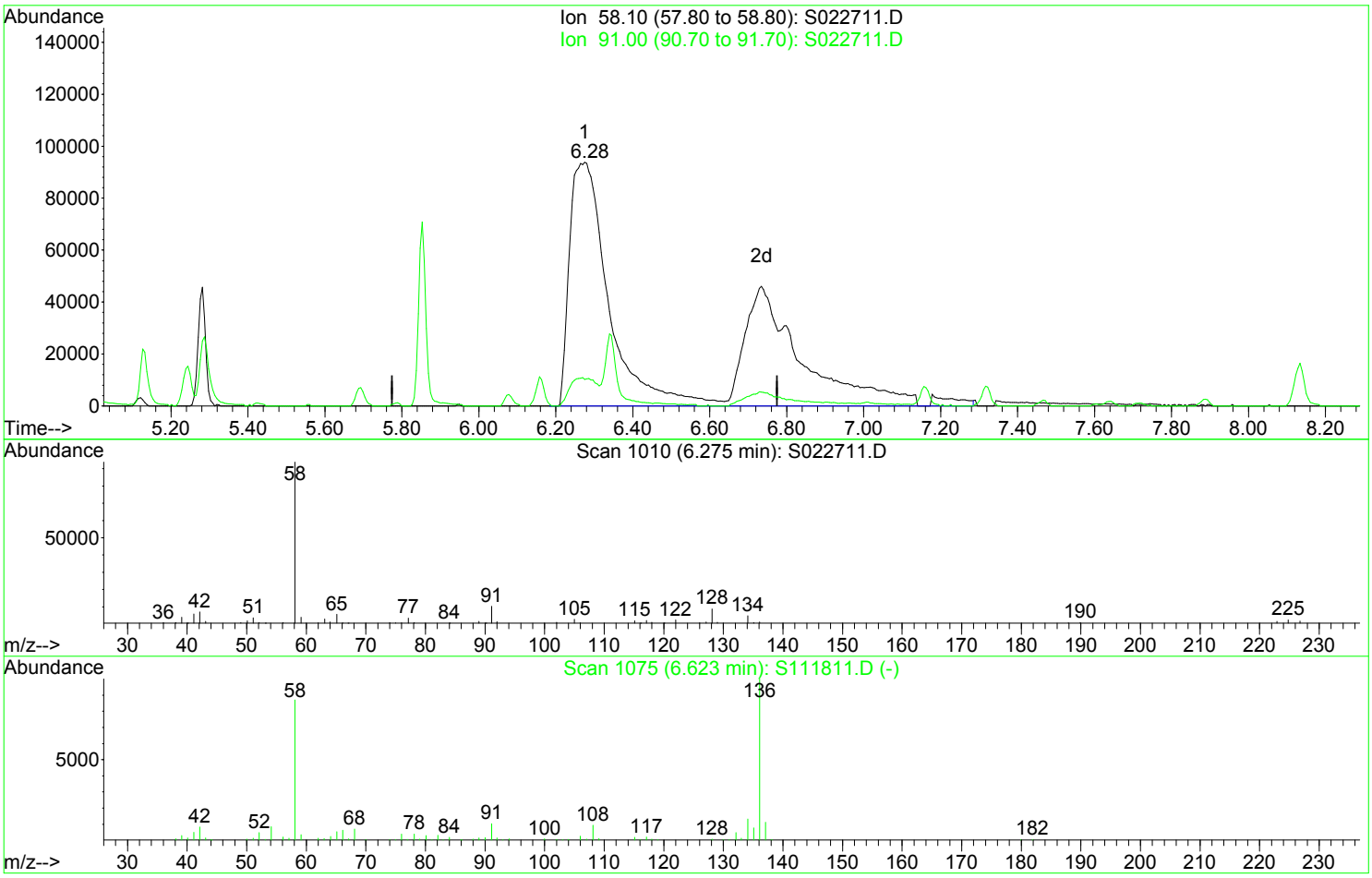
response 507939

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	7.86
185.00	13.80	12.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(39) a,a-Dimethylphenethylamine (T)

6.28min 171.65ng m

response 1151897

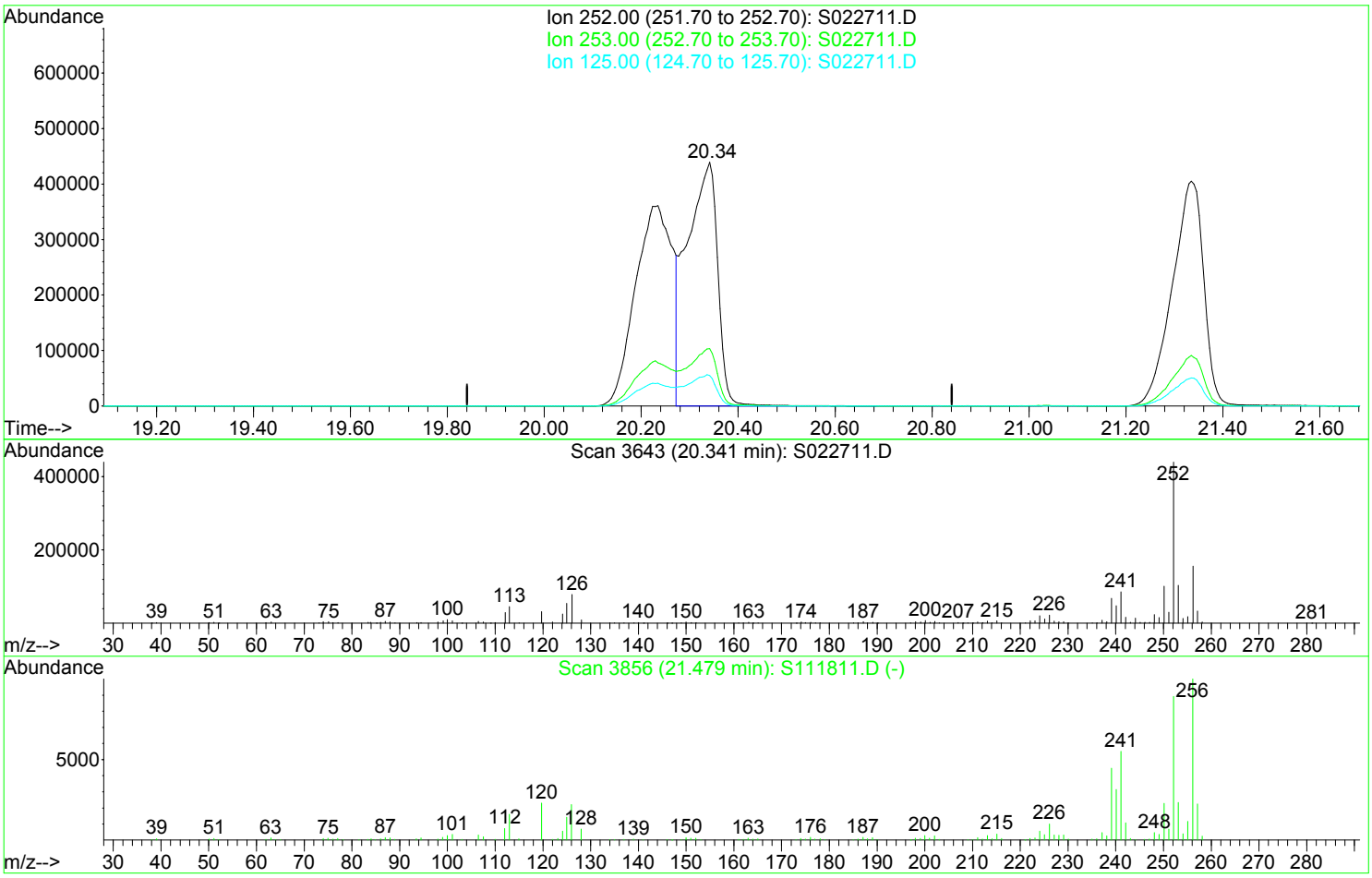
Ion	Exp%	Act%
58.10	100	100
91.00	4.40	4.44
0.00	0.00	0.00
0.00	0.00	0.00

S022711.D B022704.M Mon Mar 01 09:45:33 2004

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(107) Benzo[k]fluoranthene (T)

20.34min 156.34ng m

response 1915755

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.23
125.00	11.40	11.42
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	80578	40.00	ng		0.00
23) Naphthalene-d8	6.21	136	302914	40.00	ng		0.00
45) Acenaphthene-d10	8.86	164	185687	40.00	ng		0.00
73) Phenanthrene-d10	11.67	188	339892	40.00	ng		0.01
92) Chrysene-d12	17.29	240	353371	40.00	ng		0.02
105) Perylene-d12	21.51	264	290285	40.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.47	112	303738	134.94	ng		-0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 134.94%#				
9) Phenol-d5	4.50	99	410352	131.13	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 131.13%#				
24) Nitrobenzene-d5	5.40	82	382644	125.65	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 251.30%#				
50) 2-Fluorobiphenyl	7.74	172	776775	120.03	ng		0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 240.06%#				
72) 2,4,6-Tribromophenol	10.35	330	122760	131.17	ng		0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 131.17%#				
94) 4-Terphenyl-d14	15.08	244	1038896	122.10	ng		0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 244.20%#				
Target Compounds							Qvalue
2) Pyridine	1.49	79	308702	135.85	ng		96
3) 2-Picoline	2.65	93	302155	124.77	ng		97
4) Methyl methanesulfonate	3.27	80	159297	109.04	ng		99
6) Ethyl methanesulfonate	4.06	79	259675	133.39	ng		97
7) Benzaldehyde	4.33	105	99934	58.04	ng		99
8) Aniline	4.47	66	210579	139.49	ng	#	86
10) Phenol	4.51	94	436402	131.56	ng		90
11) Bis(2-chloroethyl)ether	4.54	63	270869	126.85	ng	#	78
12) 2-Chlorophenol	4.60	128	350642	128.93	ng		100
13) 1,3-Dichlorobenzene	4.73	146	378725	124.44	ng		99
14) 1,4-Dichlorobenzene	4.78	146	391532	123.80	ng		99
15) 1,2-Dichlorobenzene	4.98	146	366827	124.26	ng		99
16) Benzyl alcohol	4.96	108	232326	134.24	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	545829	123.34	ng		99
18) 2-Methylphenol	5.12	107	271917	128.49	ng		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	765055	298.55	ng		98
20)	N-Nitrosodi-n-propylamine	5.27	70	253302	119.61	ng		98
21)	N-Nitrosodimethylamine	1.49	42	146647	139.02	ng		95
22)	Hexachloroethane	5.31	117	147886	124.45	ng		100
25)	Acetophenone	5.24	105	485872	127.24	ng		97
26)	Nitrobenzene	5.42	77	378800	121.78	ng		97
27)	N-Nitrosopiperidine	5.59	114	178653	133.14	ng		99
28)	Isophorone	5.68	82	686712	125.62	ng		99
29)	2-Nitrophenol	5.78	139	195760	131.05	ng		98
30)	2,4-Dimethylphenol	5.85	122	316523	130.26	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	426378	139.42	ng		98
32)	2,4-Dichlorophenol	6.07	162	299245	128.72	ng		98
33)	1,2,4-Trichlorobenzene	6.16	180	326454	124.60	ng		98
34)	Naphthalene	6.23	128	1050990	124.81	ng		99
35)	Benzoic acid	6.03	122	85853	126.23	ng		99
36)	2,6-Dichlorophenol	6.34	162	290115	125.59	ng		97
37)	4-Chloroaniline	6.33	127	430970	129.07	ng		98
38)	Hexachlorobutadiene	6.46	225	193748	125.37	ng		99
39)	a,a-Dimethylphenethylamine	6.24	58	825440m	118.85	ng		
40)	Caprolactam	6.80	55	211672	143.03	ng		91
41)	4-Chloro-3-methylphenol	7.01	107	314332	132.50	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	325932	126.87	ng		96
43)	2-Methylnaphthalene	7.16	142	713489	127.76	ng		98
44)	1-Methylnaphthalene	7.31	142	715728	127.88	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	325040	117.42	ng		99
47)	Hexachlorocyclopentadiene	7.49	237	169123	133.95	ng		98
48)	2,4,6-Trichlorophenol	7.63	196	213373	122.23	ng		97
49)	2,4,5-Trichlorophenol	7.71	196	236354	122.14	ng		97
51)	Biphenyl	7.88	154	999892	128.02	ng		98
52)	2-Chloronaphthalene	7.89	162	681431	126.43	ng		98
53)	1-Chloronaphthalene	7.95	162	557228	105.61	ng		98
54)	2-Nitroaniline	8.12	65	204359	128.77	ng		98
55)	3-Nitroaniline	8.84	138	192676	129.62	ng	#	93
56)	Pentachlorobenzene	9.25	250	292018	117.80	ng		99
57)	4-Nitroaniline	10.00	138	198511	123.02	ng		92
58)	2-Naphthylamine	9.36	143	606194	116.16	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.50	143	631372	117.87	ng		98
60)	Dimethyl phthalate	8.49	163	745240	121.86	ng		99
61)	Acenaphthylene	8.59	152	1039221	137.20	ng		99
62)	2,6-Dinitrotoluene	8.60	165	168303	123.47	ng		97
63)	Acenaphthene	8.91	154	634608	117.93	ng		99
64)	2,4-Dinitrophenol	9.03	184	114927	121.35	ng	#	100
65)	Dibenzofuran	9.20	168	942532	120.93	ng		69
66)	4-Nitrophenol	9.22	65	126285	125.09	ng	#	1
67)	2,4-Dinitrotoluene	9.30	165	235720	125.80	ng		94
68)	2,3,4,6-Tetrachlorophenol	9.53	232	184197	114.99	ng		99
69)	Diethyl phthalate	9.79	149	726356	117.84	ng		99
70)	Fluorene	9.84	166	786966	118.57	ng		100
71)	4-Chlorophenyl phenyl ethe	9.86	204	377096	117.74	ng		99
74)	4,6-Dinitro-2-methylphenol	10.07	198	185483	129.08	ng		90
75)	Azobenzene	10.16	77	811625	126.56	ng		98
76)	1,2-Diphenylhydrazine	10.16	182	241633	128.26	ng		94
77)	Diphenylamine	10.12	170	142380	110.06	ng	#	96
78)	N-Nitrosodiphenylamine	10.12	168	707684	110.16	ng		97
79)	4-Bromophenyl phenyl ether	10.80	248	257672	130.66	ng		99
80)	Phenacetin	10.85	108	407574	137.76	ng		98
81)	Hexachlorobenzene	11.07	284	254605	125.79	ng		99
82)	Atrazine	11.29	200	239018	120.42	ng		99
83)	4-Aminobiphenyl	11.34	169	792984	119.96	ng		98
84)	Pentachlorophenol	11.46	266	187155	138.03	ng		96
85)	Pentachloronitrobenzene	11.61	237	110364	128.83	ng		99
86)	Pronamide	11.60	173	349915	122.98	ng		100
87)	Phenanthrene	11.72	178	1218778	120.79	ng		99
88)	Anthracene	11.81	178	1306263	130.51	ng		99
89)	Carbazole	12.18	167	1256567	135.12	ng		98
90)	Di-n-butyl phthalate	13.10	149	1411210	129.56	ng		99
91)	Fluoranthene	14.20	202	1468722	127.46	ng		99
93)	Pyrene	14.66	202	1534023	130.14	ng		99
95)	Benzidine	14.54	184	360596m	81.83	ng		
96)	Dimethylaminoazobenzene	15.43	225	351506	138.59	ng		99
97)	Butyl benzyl phthalate	16.25	149	687355	135.48	ng		98
98)	Benz(a)anthracene	17.25	228	1545049	132.29	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

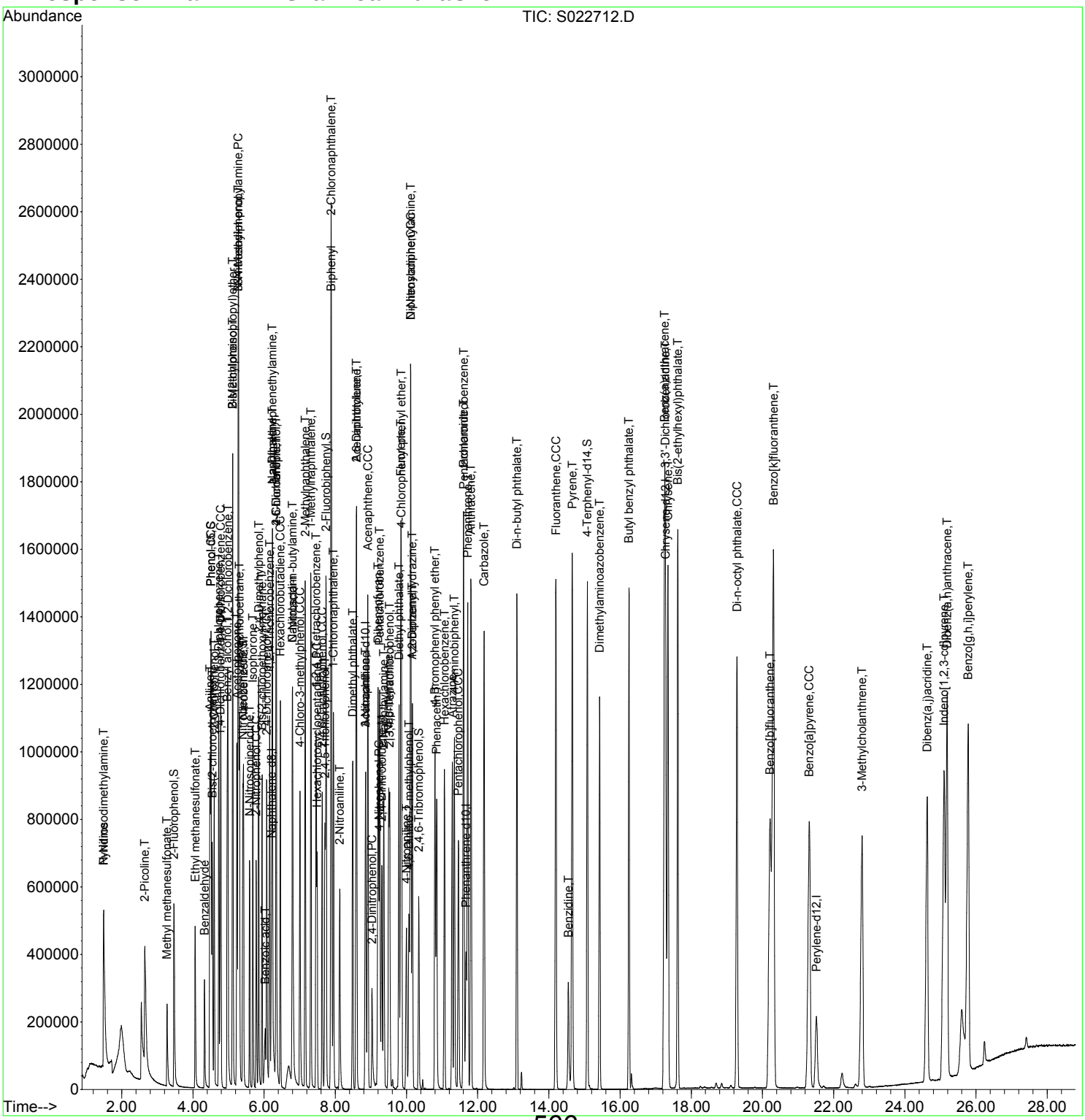
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	513509	122.18	ng		99
100)	Chrysene	17.34	228	1453126	129.87	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.62	149	954167	133.35	ng		99
102)	Di-n-octyl phthalate	19.28	149	1642569	128.11	ng		98
103)	3-Methylcholanthrene	22.80	268	770881	141.09	ng		98
104)	Indeno[1,2,3-cd]pyrene	25.10	276	1584348	132.69	ng	#	97
106)	Benzo[b]fluoranthene	20.21	252	1533496	129.08	ng		98
107)	Benzo[k]fluoranthene	20.31	252	1477992m	123.01	ng		
108)	Benzo[a]pyrene	21.32	252	1447343	128.90	ng		98
109)	Dibenz(a,j)acridine	24.63	279	1310384	130.18	ng		99
110)	Dibenz(a,h)anthracene	25.19	278	1508411	131.51	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	1603667	130.72	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 Quant Results File: B022704.RES

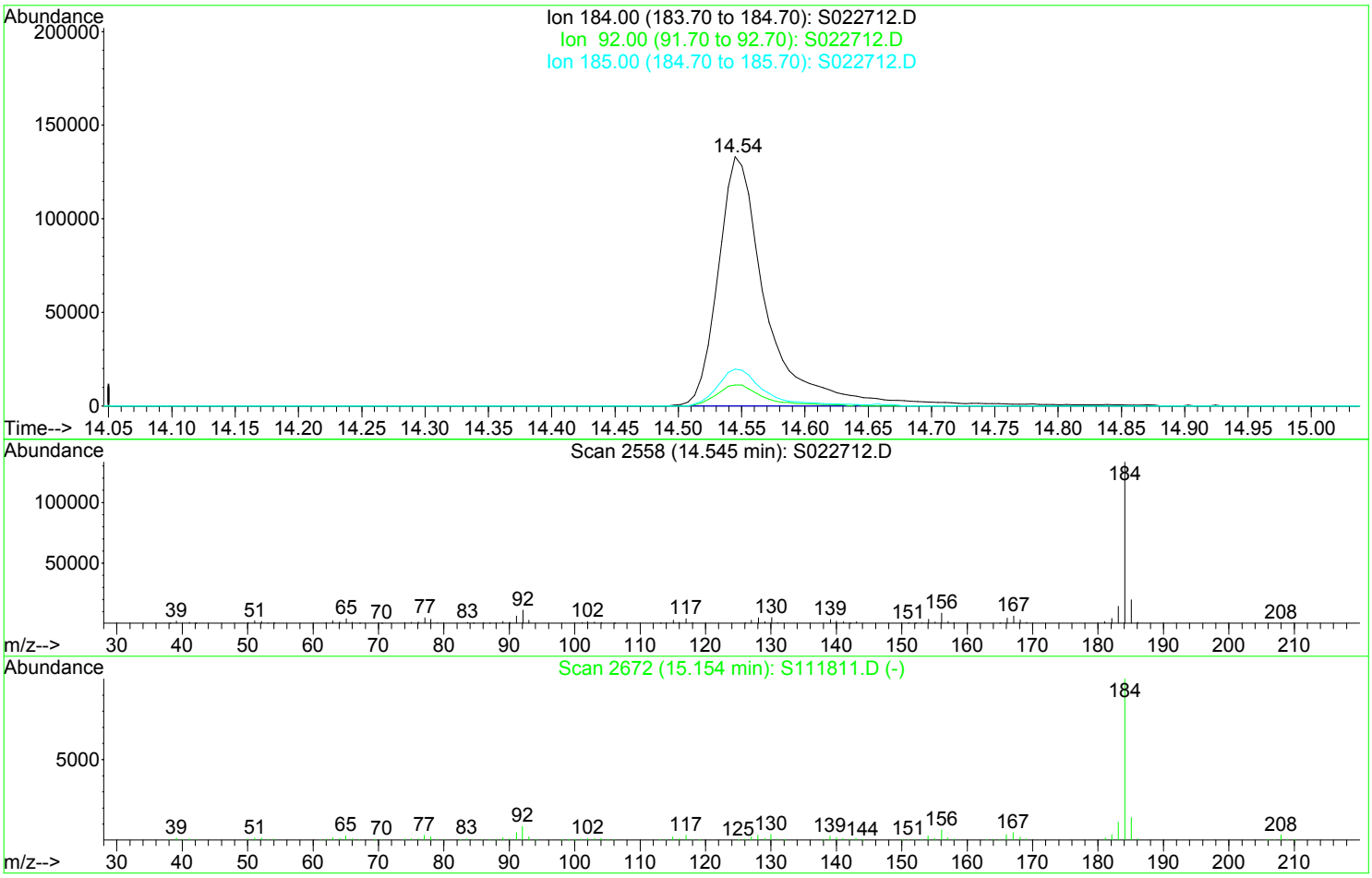
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D **Vial: 9**
Acq On : 27 Feb 2004 5:36 pm **Operator: YH**
Sample : BNA120 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(95) Benzidine (T)

14.54min 81.83ng m

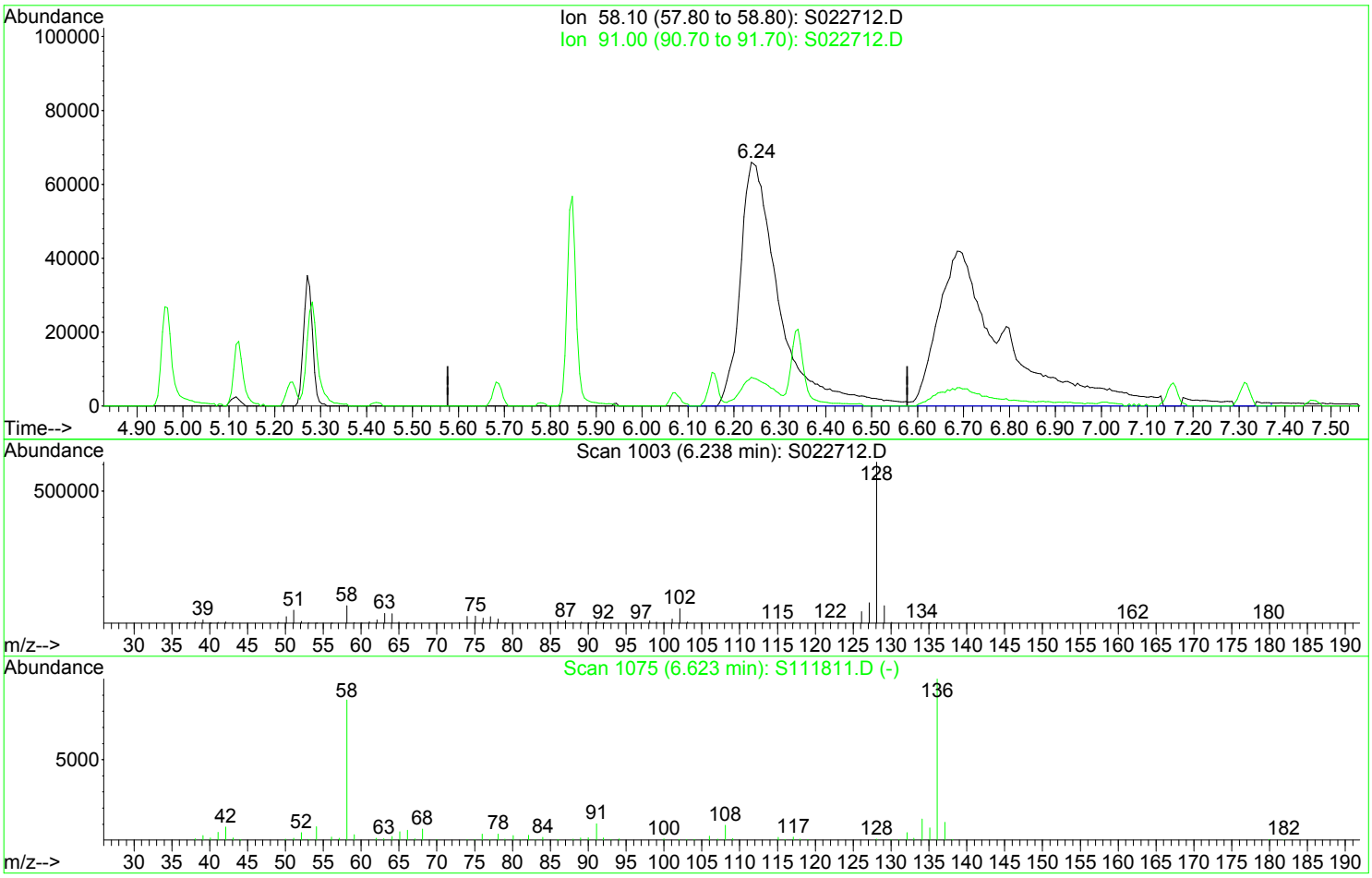
response 360596

Ion	Exp%	Act%
184.00	100	100
92.00	6.60	8.12
185.00	11.80	14.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D **Vial: 9**
Acq On : 27 Feb 2004 5:36 pm **Operator: YH**
Sample : BNA120 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:04 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(39) a,a-Dimethylphenethylamine (T)

6.24min 118.85ng m

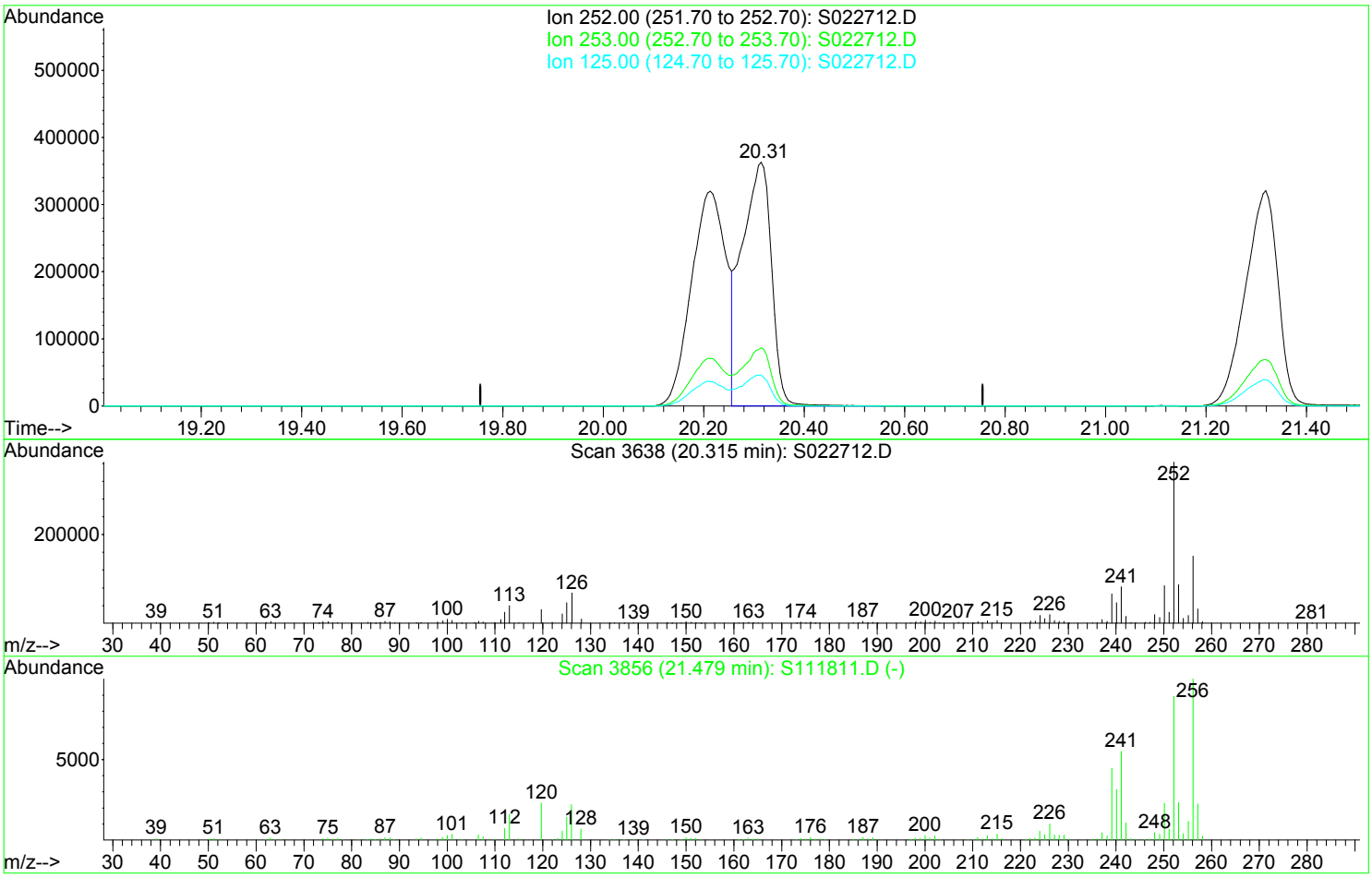
response 825440

Ion	Exp%	Act%
58.10	100	100
91.00	9.20	4.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(107) Benzo[k]fluoranthene (T)

20.31min 123.01ng m

response 1477992

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.16
125.00	12.90	11.45
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	103	0.00
2		Pyridine	120.000	135.852	-13.2	112	-0.02
3	T	2-Picoline	120.000	124.766	-4.0	103	-0.02
4	T	Methyl methanesulfonate	120.000	109.043	9.1	90	-0.01
5	S	2-Fluorophenol	120.000	134.936	-12.4	109	-0.01
6	T	Ethyl methanesulfonate	120.000	133.392	-11.2	111	0.00
7		Benzaldehyde	120.000	58.040	51.6#	68	0.00
8	T	Aniline	120.000	139.487	-16.2	110	0.00
9	S	Phenol-d5	120.000	131.129	-9.3	109	0.00
10	CCC	Phenol	120.000	131.563	-9.6	109	0.00
11	T	Bis(2-chloroethyl)ether	120.000	126.846	-5.7	105	0.00
12	T	2-Chlorophenol	120.000	128.932	-7.4	109	0.00
13	T	1,3-Dichlorobenzene	120.000	124.439	-3.7	107	0.00
14	CCC	1,4-Dichlorobenzene	120.000	123.797	-3.2	108	0.00
15	T	1,2-Dichlorobenzene	120.000	124.262	-3.6	108	0.00
16	T	Benzyl alcohol	120.000	134.238	-11.9	109	0.00
17	T	Bis(2-chloroisopropyl)ether	120.000	123.341	-2.8	108	0.00
18	T	2-Methylphenol	120.000	128.486	-7.1	109	0.00
19	T	3&4-Methylphenol	240.000	298.545	-24.4	128	0.00
20	PC	N-Nitrosodi-n-propylamine	120.000	119.606	0.3	103	0.01
21	T	N-Nitrosodimethylamine	120.000	139.024	-15.9	113	-0.01
22	T	Hexachloroethane	120.000	124.449	-3.7	109	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	104	0.00
24	S	Nitrobenzene-d5	120.000	125.646	-4.7	106	0.00
25	T	Acetophenone	240.000	127.236	47.0#	55	0.00
26	M	Nitrobenzene	120.000	121.776	-1.5	107	0.00
27	T	N-Nitrosopiperidine	120.000	133.140	-10.9	112	0.01
28	T	Isophorone	120.000	125.624	-4.7	108	0.00
29	CCC	2-Nitrophenol	120.000	131.053	-9.2	107	0.00
30	T	2,4-Dimethylphenol	120.000	130.257	-8.5	111	0.00
31	T	Bis(2-chloroethoxy)methane	120.000	139.419	-16.2	119	0.00
32	CCC	2,4-Dichlorophenol	120.000	128.723	-7.3	108	-0.01
33	T	1,2,4-Trichlorobenzene	120.000	124.596	-3.8	108	0.00
34	T	Naphthalene	120.000	124.809	-4.0	109	0.00
35	T	Benzoic acid	120.000	126.230	-5.2	113	0.00

(#) = Out of Range

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	125.590	-4.7	109	0.00
37	T	4-Chloroaniline	120.000	129.074	-7.6	110	0.00
38	CCC	Hexachlorobutadiene	120.000	125.366	-4.5	108	0.00
39	T	a,a-Dimethylphenethylamine	120.000	118.853	1.0	94	0.16
40		Caprolactam	120.000	143.033	-19.2	115	0.05
41	CCC	4-Chloro-3-methylphenol	120.000	132.497	-10.4	110	0.00
42	T	N-Nitrosodi-n-butylamine	120.000	126.871	-5.7	107	0.01
43	T	2-Methylnaphthalene	120.000	127.764	-6.5	111	0.00
44	T	1-Methylnaphthalene	120.000	127.876	-6.6	111	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	103	0.00
46	T	1,2,4,5-Tetrachlorobenzene	120.000	117.425	2.1	103	0.00
47	PC	Hexachlorocyclopentadiene	120.000	133.952	-11.6	116	0.00
48	CCC	2,4,6-Trichlorophenol	120.000	122.231	-1.9	101	0.00
49	T	2,4,5-Trichlorophenol	120.000	122.144	-1.8	103	0.00
50	S	2-Fluorobiphenyl	120.000	120.034	-0.0	105	0.00
51		Biphenyl	120.000	128.016	-6.7	113	0.01
52	T	2-Chloronaphthalene	120.000	126.432	-5.4	111	0.00
53	T	1-Chloronaphthalene	120.000	105.608	12.0	93	0.00
54	T	2-Nitroaniline	120.000	128.771	-7.3	104	0.00
55	T	3-Nitroaniline	120.000	129.617	-8.0	103	0.00
56	T	Pentachlorobenzene	120.000	117.801	1.8	102	0.00
57	T	4-Nitroaniline	120.000	123.022	-2.5	104	0.02
58	T	2-Naphthylamine	120.000	116.164	3.2	103	0.01
59	T	1-Naphthylamine	120.000	117.871	1.8	107	0.01
60	T	Dimethyl phthalate	120.000	121.858	-1.5	105	0.01
61	T	Acenaphthylene	120.000	137.205	-14.3	118	0.00
62	T	2,6-Dinitrotoluene	120.000	123.473	-2.9	102	0.00
63	CCC	Acenaphthene	120.000	117.933	1.7	102	0.01
64	PC	2,4-Dinitrophenol	120.000	121.350	-1.1	106	-0.03
65	T	Dibenzofuran	120.000	120.932	-0.8	105	0.01
66	PC	4-Nitrophenol	120.000	125.095	-4.2	101	-0.06
67	M	2,4-Dinitrotoluene	120.000	125.795	-4.8	102	0.01
68	T	2,3,4,6-Tetrachlorophenol	120.000	114.987	4.2	94	0.00
69	T	Diethyl phthalate	120.000	117.842	1.8	101	0.02
70	T	Fluorene	120.000	118.573	1.2	103	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	117.742	1.9	102	0.00
72	S	2,4,6-Tribromophenol	120.000	131.165	-9.3	107	0.00
73	I	Phenanthrene-d10	40.000	40.000	0.0	104	0.01
74	T	4,6-Dinitro-2-methylphenol	120.000	129.076	-7.6	111	0.02
75	T	Azobenzene	120.000	126.558	-5.5	110	0.01
76	T	1,2-Diphenylhydrazine	120.000	128.262	-6.9	110	0.01
77	CCC	Diphenylamine	120.000	110.061	8.3	96	0.02
78	T	N-Nitrosodiphenylamine	120.000	110.162	8.2	96	0.02
79	T	4-Bromophenyl phenyl ether	120.000	130.656	-8.9	111	0.00
80	T	Phenacetin	120.000	137.759	-14.8	110	0.03
81	T	Hexachlorobenzene	120.000	125.789	-4.8	110	0.01
82		Atrazine	120.000	120.416	-0.3	103	0.03
83	T	4-Aminobiphenyl	120.000	119.956	0.0	106	0.01
84	CCC	Pentachlorophenol	120.000	138.026	-15.0	121	0.00
85	T	Pentachloronitrobenzene	120.000	128.828	-7.4	109	0.02
86	T	Pronamide	120.000	122.984	-2.5	104	0.02
87	T	Phenanthrene	120.000	120.794	-0.7	106	0.02
88	T	Anthracene	120.000	130.506	-8.8	113	0.02
89	T	Carbazole	120.000	135.120	-12.6	115	0.00
90	T	Di-n-butyl phthalate	120.000	129.558	-8.0	111	0.01
91	CCC	Fluoranthene	120.000	127.459	-6.2	109	0.01
92	I	Chrysene-d12	40.000	40.000	0.0	104	0.02
93	T	Pyrene	120.000	130.144	-8.5	113	0.01
94	S	4-Terphenyl-d14	120.000	122.097	-1.7	105	0.00
95	T	Benzidine	120.000	81.835	31.8#	77	0.00
96	T	Dimethylaminoazobenzene	120.000	138.587	-15.5	115	0.00
97	T	Butyl benzyl phthalate	120.000	135.485	-12.9	114	0.01
98	T	Benz(a)anthracene	120.000	132.294	-10.2	113	0.02
99	T	3,3'-Dichlorobenzidine	120.000	122.179	-1.8	106	0.00
100	T	Chrysene	120.000	129.869	-8.2	114	0.02
101	T	Bis(2-ethylhexyl)phthalate	120.000	133.350	-11.1	113	0.01
102	CCC	Di-n-octyl phthalate	120.000	128.113	-6.8	108	0.02
103	T	3-Methylcholanthrene	120.000	141.093	-17.6	115	0.04
104	T	Indeno[1,2,3-cd]pyrene	120.000	132.687	-10.6	105	0.04

(#) = Out of Range

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	101	0.02
106	T	Benzo[b]fluoranthene	120.000	129.076	-7.6	107	0.04
107	T	Benzo[k]fluoranthene	120.000	123.005	-2.5	103	0.06
108	CCC	Benzo[a]pyrene	120.000	128.904	-7.4	107	0.04
109	T	Dibenz(a,j)acridine	120.000	130.179	-8.5	102	0.04
110	T	Dibenz(a,h)anthracene	120.000	131.513	-9.6	105	0.04
111	T	Benzo[g,h,i]perylene	120.000	130.715	-8.9	103	0.05

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	86959	40.00	ng		0.01
23) Naphthalene-d8	6.21	136	328033	40.00	ng		0.01
45) Acenaphthene-d10	8.87	164	204786	40.00	ng		0.02
73) Phenanthrene-d10	11.68	188	376611	40.00	ng		0.02
92) Chrysene-d12	17.30	240	409627	40.00	ng		0.03
105) Perylene-d12	21.54	264	317211	40.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	99216	40.84	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 40.84%				
9) Phenol-d5	4.51	99	143388	42.46	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 42.46%				
24) Nitrobenzene-d5	5.40	82	134270	40.71	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 81.42%				
50) 2-Fluorobiphenyl	7.75	172	286350	40.12	ng		0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 80.24%				
72) 2,4,6-Tribromophenol	10.36	330	43205	41.86	ng		0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 41.86%				
94) 4-Terphenyl-d14	15.09	244	389753	39.52	ng		0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 79.04%				
Target Compounds							Qvalue
2) Pyridine	1.49	79	105067	42.84	ng		98
3) 2-Picoline	2.66	93	100738	38.54	ng		99
4) Methyl methanesulfonate	3.28	80	54794	34.76	ng		99
6) Ethyl methanesulfonate	4.07	79	89415	42.56	ng		99
7) Benzaldehyde	4.33	105	64423	34.67	ng		99
8) Aniline	4.49	66	70563	43.31	ng	#	91
10) Phenol	4.52	94	157987	44.13	ng		92
11) Bis(2-chloroethyl)ether	4.55	63	86447	37.51	ng	#	84
12) 2-Chlorophenol	4.60	128	123541	42.09	ng		100
13) 1,3-Dichlorobenzene	4.74	146	134856	41.06	ng		99
14) 1,4-Dichlorobenzene	4.79	146	140840	41.26	ng		99
15) 1,2-Dichlorobenzene	4.99	146	131819	41.38	ng		99
16) Benzyl alcohol	4.97	108	79322	42.47	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	198681	41.60	ng		99
18) 2-Methylphenol	5.13	107	96674	42.33	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	276688	100.05	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	91792	40.16	ng		99
21)	N-Nitrosodimethylamine	1.50	42	50394	44.27	ng	#	100
22)	Hexachloroethane	5.32	117	53371	41.62	ng		100
25)	Acetophenone	5.24	105	172438	41.70	ng		100
26)	Nitrobenzene	5.43	77	141995	42.15	ng		98
27)	N-Nitrosopiperidine	5.59	114	62703	43.15	ng		99
28)	Isophorone	5.68	82	246128	41.58	ng		99
29)	2-Nitrophenol	5.79	139	68065	42.08	ng		99
30)	2,4-Dimethylphenol	5.85	122	109187	41.49	ng		99
31)	Bis(2-chloroethoxy)methane	5.95	93	151829	45.84	ng		98
32)	2,4-Dichlorophenol	6.08	162	105919	42.07	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	116332	41.00	ng		99
34)	Naphthalene	6.24	128	386401	42.37	ng		100
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.36	162	103881	41.53	ng		97
37)	4-Chloroaniline	6.34	127	158036	43.71	ng		97
38)	Hexachlorobutadiene	6.47	225	70160	41.92	ng		99
39)	a,a-Dimethylphenethylamine	6.17	58	293396m	39.01	ng		
40)	Caprolactam	6.78	55	76279	47.60	ng		93
41)	4-Chloro-3-methylphenol	7.01	107	112471	43.78	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	116946	42.04	ng		98
43)	2-Methylnaphthalene	7.16	142	261462	43.23	ng		98
44)	1-Methylnaphthalene	7.32	142	265404	43.79	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	120033	39.32	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	49015	39.81	ng		97
48)	2,4,6-Trichlorophenol	7.64	196	75970	39.46	ng		98
49)	2,4,5-Trichlorophenol	7.72	196	85820	40.21	ng		99
51)	Biphenyl	7.89	154	372606	43.26	ng		99
52)	2-Chloronaphthalene	7.90	162	253749	42.69	ng		99
53)	1-Chloronaphthalene	7.95	162	209445	35.99	ng		100
54)	2-Nitroaniline	8.13	65	71576	40.90	ng		98
55)	3-Nitroaniline	8.85	138	67042	40.89	ng	#	94
56)	Pentachlorobenzene	9.26	250	109186	39.94	ng		99
57)	4-Nitroaniline	9.99	138	69369	41.05	ng		94
58)	2-Naphthylamine	9.37	143	217935	37.87	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	238141	40.31	ng		99
60)	Dimethyl phthalate	8.49	163	273262	40.52	ng		99
61)	Acenaphthylene	8.60	152	381407	45.66	ng		99
62)	2,6-Dinitrotoluene	8.60	165	61196	40.71	ng		98
63)	Acenaphthene	8.92	154	233156	39.29	ng		99
64)	2,4-Dinitrophenol	9.05	184	28991	41.50	ng	#	100
65)	Dibenzofuran	9.21	168	343318	39.94	ng		71
66)	4-Nitrophenol	9.24	65	35831	32.18	ng	#	1
67)	2,4-Dinitrotoluene	9.31	165	85602	41.42	ng		92
68)	2,3,4,6-Tetrachlorophenol	9.54	232	66200	37.47	ng		99
69)	Diethyl phthalate	9.80	149	269577	39.66	ng		100
70)	Fluorene	9.85	166	292247	39.93	ng		100
71)	4-Chlorophenyl phenyl ethe	9.87	204	141574	40.08	ng		100
74)	4,6-Dinitro-2-methylphenol	10.07	198	60319	42.93	ng		94
75)	Azobenzene	10.17	77	301590	42.44	ng		98
76)	1,2-Diphenylhydrazine	10.17	182	89792	43.02	ng		94
77)	Diphenylamine	10.12	170	52944	36.94	ng		96
78)	N-Nitrosodiphenylamine	10.12	168	257423	36.16	ng		99
79)	4-Bromophenyl phenyl ether	10.81	248	94226	43.12	ng		99
80)	Phenacetin	10.84	108	143472	43.77	ng		98
81)	Hexachlorobenzene	11.08	284	93672	41.77	ng		99
82)	Atrazine	11.28	200	92365	42.00	ng		100
83)	4-Aminobiphenyl	11.35	169	312684	42.69	ng		99
84)	Pentachlorophenol	11.47	266	58691	44.99	ng		96
85)	Pentachloronitrobenzene	11.61	237	40816	43.00	ng		98
86)	Pronamide	11.60	173	126974	40.28	ng		100
87)	Phenanthrene	11.72	178	455203	40.72	ng		99
88)	Anthracene	11.81	178	485922	43.81	ng		99
89)	Carbazole	12.19	167	460173	44.66	ng		99
90)	Di-n-butyl phthalate	13.11	149	522513	43.29	ng		100
91)	Fluoranthene	14.21	202	542908	42.52	ng		99
93)	Pyrene	14.66	202	577334	42.25	ng		100
95)	Benzidine	14.56	184	165978m	32.49	ng		
96)	Dimethylaminoazobenzene	15.44	225	125657	42.74	ng		99
97)	Butyl benzyl phthalate	16.26	149	250812	42.65	ng		100
98)	Benz(a)anthracene	17.26	228	570799	42.16	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

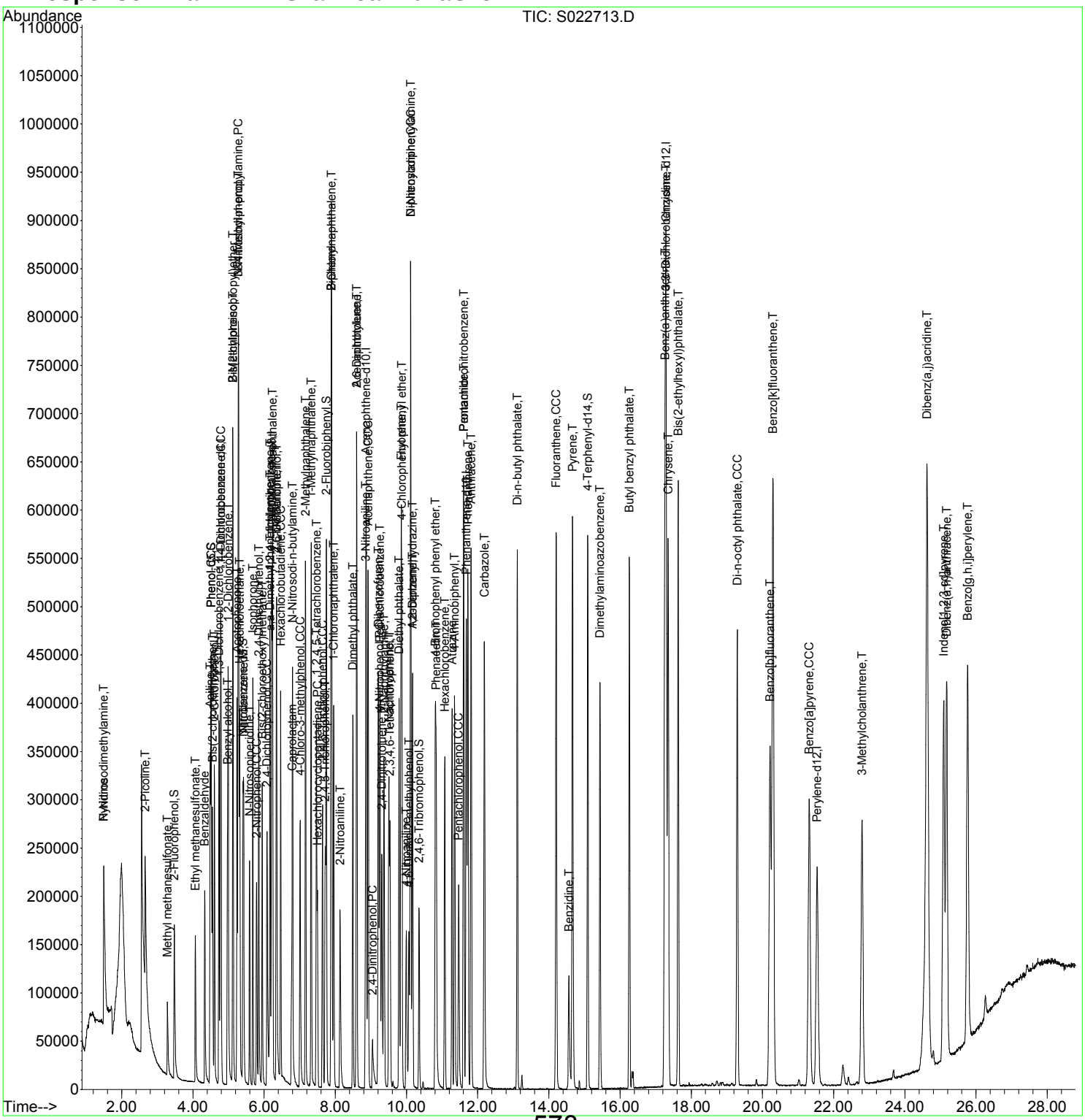
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	196934	40.42	ng		99
100)	Chrysene	17.35	228	548831	42.31	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.63	149	348138	41.97	ng		99
102)	Di-n-octyl phthalate	19.29	149	588431	39.59	ng		98
103)	3-Methylcholanthrene	22.80	268	273240	43.14	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.09	276	545232	39.39	ng	#	98
106)	Benzo[b]fluoranthene	20.21	252	567618	43.72	ng		98
107)	Benzo[k]fluoranthene	20.30	252	489031	37.24	ng		100
108)	Benzo[a]pyrene	21.31	252	514836	41.96	ng		98
109)	Dibenz(a,j)acridine	24.62	279	469890	42.72	ng		99
110)	Dibenz(a,h)anthracene	25.18	278	535415	42.72	ng		100
111)	Benzo[g,h,i]perylene	25.76	276	557633	41.59	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:01 2004 Quant Results File: B022704.RES

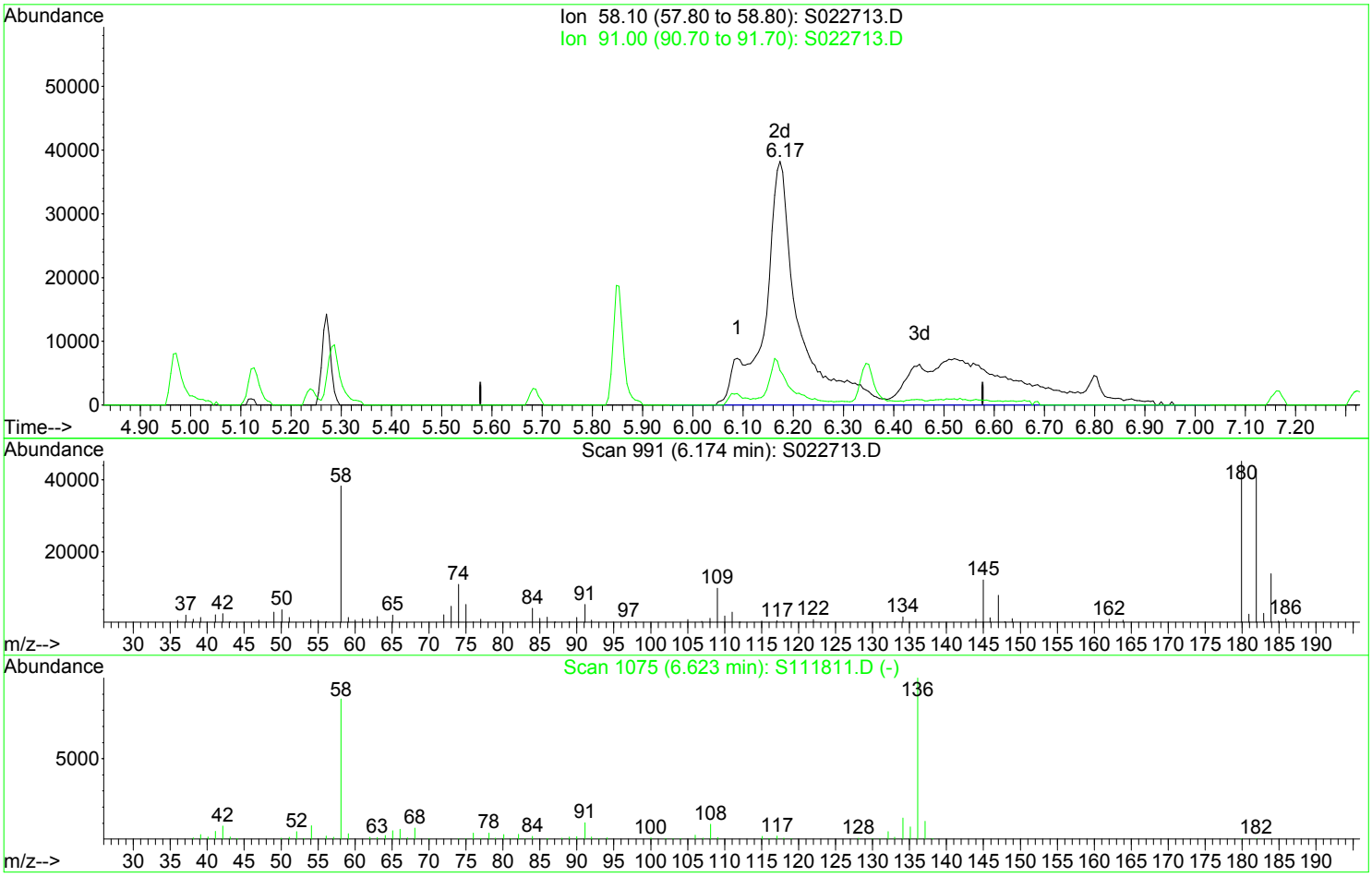
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D **Vial: 10**
Acq On : 27 Feb 2004 6:13 pm **Operator: YH**
Sample : BNA40 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:00 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022713.D

(39) a,a-Dimethylphenethylamine (T)

6.17min 39.01ng m

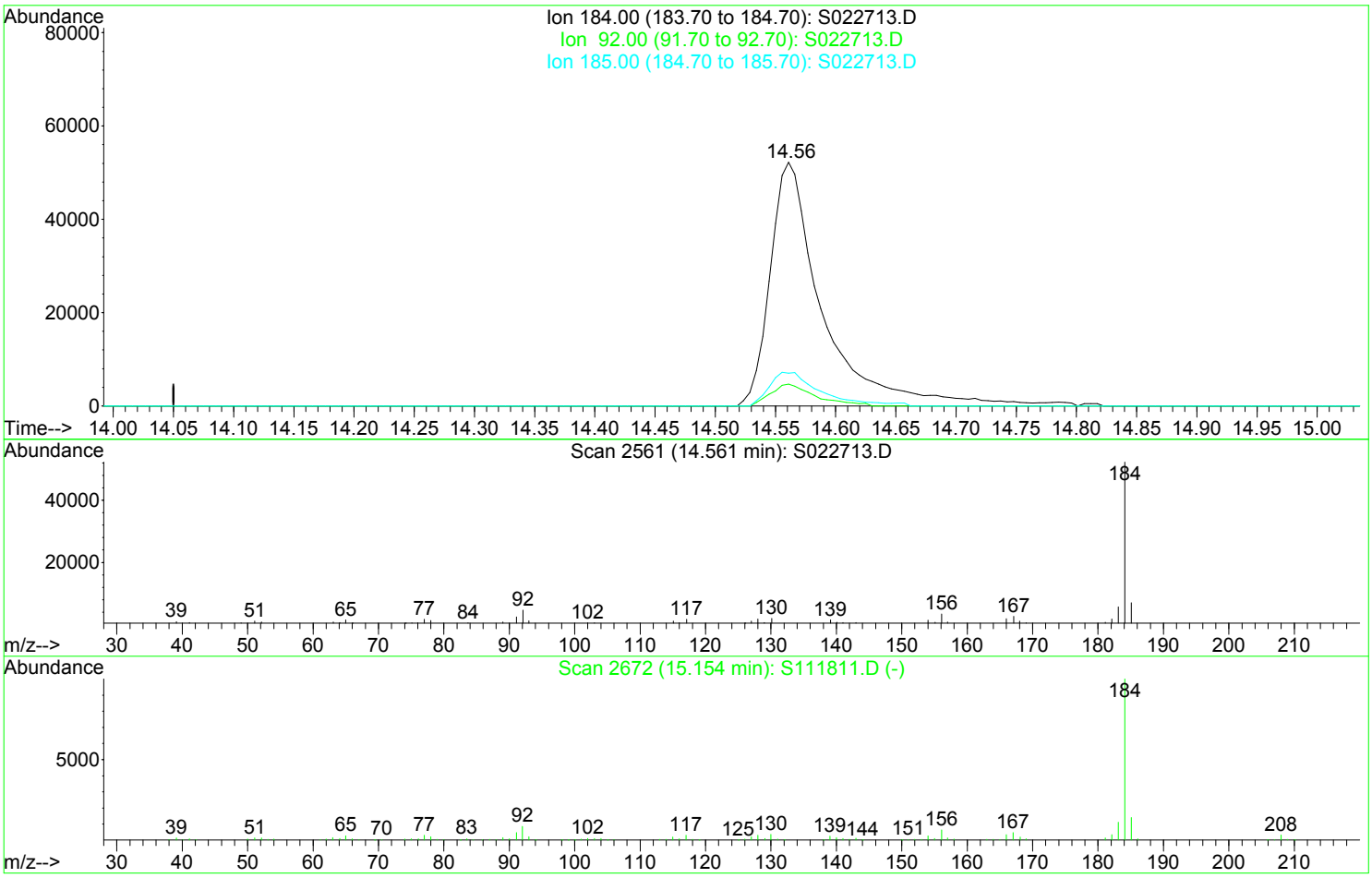
response 293396

Ion	Exp%	Act%
58.10	100	100
91.00	9.20	1.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D **Vial: 10**
Acq On : 27 Feb 2004 6:13 pm **Operator: YH**
Sample : BNA40 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:01 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022713.D

(95) Benzidine (T)

14.56min 32.49ng m

response 165978

Ion	Exp%	Act%
184.00	100	100
92.00	6.60	7.33
185.00	11.80	12.90
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.01
2		Pyridine	40.000	42.845	-7.1	113	-0.02
3	T	2-Picoline	40.000	38.545	3.6	104	0.00
4	T	Methyl methanesulfonate	40.000	34.756	13.1	90	0.00
5	S	2-Fluorophenol	40.000	40.842	-2.1	105	0.00
6	T	Ethyl methanesulfonate	40.000	42.561	-6.4	112	0.00
7		Benzaldehyde	40.000	34.670	13.3	81	0.00
8	T	Aniline	40.000	43.311	-8.3	114	0.00
9	S	Phenol-d5	40.000	42.458	-6.1	111	0.00
10	CCC	Phenol	40.000	44.134	-10.3	116	0.00
11	T	Bis(2-chloroethyl)ether	40.000	37.512	6.2	97	0.00
12	T	2-Chlorophenol	40.000	42.093	-5.2	110	0.00
13	T	1,3-Dichlorobenzene	40.000	41.059	-2.6	108	0.01
14	CCC	1,4-Dichlorobenzene	40.000	41.264	-3.2	111	0.00
15	T	1,2-Dichlorobenzene	40.000	41.377	-3.4	107	0.01
16	T	Benzyl alcohol	40.000	42.469	-6.2	110	0.00
17	T	Bis(2-chloroisopropyl)ether	40.000	41.602	-4.0	108	0.00
18	T	2-Methylphenol	40.000	42.328	-5.8	110	0.00
19	T	3&4-Methylphenol	80.000	100.048	-25.1#	131	0.00
20	PC	N-Nitrosodi-n-propylamine	40.000	40.163	-0.4	104	0.01
21	T	N-Nitrosodimethylamine	40.000	44.269	-10.7	114	0.00
22	T	Hexachloroethane	40.000	41.617	-4.0	110	0.01
23	I	Naphthalene-d8	40.000	40.000	0.0	107	0.01
24	S	Nitrobenzene-d5	40.000	40.713	-1.8	107	0.00
25	T	Acetophenone	80.000	41.699	47.9#	55	0.00
26	M	Nitrobenzene	40.000	42.153	-5.4	110	0.00
27	T	N-Nitrosopiperidine	40.000	43.151	-7.9	113	0.01
28	T	Isophorone	40.000	41.578	-3.9	110	0.00
29	CCC	2-Nitrophenol	40.000	42.078	-5.2	110	0.00
30	T	2,4-Dimethylphenol	40.000	41.492	-3.7	108	0.01
31	T	Bis(2-chloroethoxy)methane	40.000	45.844	-14.6	120	0.01
32	CCC	2,4-Dichlorophenol	40.000	42.073	-5.2	110	0.00
33	T	1,2,4-Trichlorobenzene	40.000	41.000	-2.5	108	0.01
34	T	Naphthalene	40.000	42.373	-5.9	111	0.01
35	T	Benzoic acid	40.000	72.748	-81.9#	0	-6.03#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	40.000	41.526	-3.8	108	0.01
37	T	4-Chloroaniline	40.000	43.707	-9.3	113	0.01
38	CCC	Hexachlorobutadiene	40.000	41.921	-4.8	110	0.01
39	T	a,a-Dimethylphenethylamine	40.000	39.010	2.5	100	0.10
40		Caprolactam	40.000	47.597	-19.0	123	0.03
41	CCC	4-Chloro-3-methylphenol	40.000	43.778	-9.4	114	0.01
42	T	N-Nitrosodi-n-butylamine	40.000	42.036	-5.1	107	0.01
43	T	2-Methylnaphthalene	40.000	43.235	-8.1	114	0.01
44	T	1-Methylnaphthalene	40.000	43.787	-9.5	115	0.01
45	I	Acenaphthene-d10	40.000	40.000	0.0	109	0.02
46	T	1,2,4,5-Tetrachlorobenzene	40.000	39.319	1.7	105	0.01
47	PC	Hexachlorocyclopentadiene	40.000	39.813	0.5	114	0.01
48	CCC	2,4,6-Trichlorophenol	40.000	39.461	1.3	107	0.01
49	T	2,4,5-Trichlorophenol	40.000	40.214	-0.5	106	0.00
50	S	2-Fluorobiphenyl	40.000	40.123	-0.3	108	0.02
51		Biphenyl	40.000	43.255	-8.1	115	0.02
52	T	2-Chloronaphthalene	40.000	42.690	-6.7	113	0.01
53	T	1-Chloronaphthalene	40.000	35.993	10.0	97	0.01
54	T	2-Nitroaniline	40.000	40.895	-2.2	109	0.01
55	T	3-Nitroaniline	40.000	40.894	-2.2	107	0.00
56	T	Pentachlorobenzene	40.000	39.938	0.2	107	0.02
57	T	4-Nitroaniline	40.000	41.052	-2.6	113	0.01
58	T	2-Naphthylamine	40.000	37.868	5.3	97	0.02
59	T	1-Naphthylamine	40.000	40.312	-0.8	102	0.02
60	T	Dimethyl phthalate	40.000	40.515	-1.3	109	0.01
61	T	Acenaphthylene	40.000	45.659	-14.1	122	0.02
62	T	2,6-Dinitrotoluene	40.000	40.709	-1.8	109	0.01
63	CCC	Acenaphthene	40.000	39.288	1.8	106	0.02
64	PC	2,4-Dinitrophenol	40.000	41.496	-3.7	119	-0.01
65	T	Dibenzofuran	40.000	39.941	0.1	106	0.02
66	PC	4-Nitrophenol	40.000	32.183	19.5	79	-0.04
67	M	2,4-Dinitrotoluene	40.000	41.422	-3.6	109	0.02
68	T	2,3,4,6-Tetrachlorophenol	40.000	37.472	6.3	99	0.01
69	T	Diethyl phthalate	40.000	39.657	0.9	106	0.02
70	T	Fluorene	40.000	39.926	0.2	107	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	40.000	40.082	-0.2	106	0.02
72	S	2,4,6-Tribromophenol	40.000	41.858	-4.6	112	0.02
73	I	Phenanthrene-d10	40.000	40.000	0.0	112	0.02
74	T	4,6-Dinitro-2-methylphenol	40.000	42.927	-7.3	123	0.02
75	T	Azobenzene	40.000	42.442	-6.1	115	0.02
76	T	1,2-Diphenylhydrazine	40.000	43.016	-7.5	118	0.02
77	CCC	Diphenylamine	40.000	36.936	7.7	99	0.02
78	T	N-Nitrosodiphenylamine	40.000	36.165	9.6	98	0.02
79	T	4-Bromophenyl phenyl ether	40.000	43.120	-7.8	118	0.02
80	T	Phenacetin	40.000	43.765	-9.4	118	0.02
81	T	Hexachlorobenzene	40.000	41.767	-4.4	114	0.02
82		Atrazine	40.000	41.996	-5.0	113	0.02
83	T	4-Aminobiphenyl	40.000	42.688	-6.7	111	0.02
84	CCC	Pentachlorophenol	40.000	44.993	-12.5	132	0.02
85	T	Pentachloronitrobenzene	40.000	42.999	-7.5	116	0.02
86	T	Pronamide	40.000	40.276	-0.7	109	0.02
87	T	Phenanthrene	40.000	40.717	-1.8	111	0.02
88	T	Anthracene	40.000	43.814	-9.5	119	0.02
89	T	Carbazole	40.000	44.658	-11.6	121	0.02
90	T	Di-n-butyl phthalate	40.000	43.293	-8.2	117	0.02
91	CCC	Fluoranthene	40.000	42.521	-6.3	115	0.02
92	I	Chrysene-d12	40.000	40.000	0.0	115	0.03
93	T	Pyrene	40.000	42.253	-5.6	118	0.02
94	S	4-Terphenyl-d14	40.000	39.515	1.2	111	0.02
95	T	Benzidine	40.000	32.494	18.8	86	0.01
96	T	Dimethylaminoazobenzene	40.000	42.738	-6.8	119	0.02
97	T	Butyl benzyl phthalate	40.000	42.648	-6.6	121	0.02
98	T	Benz(a)anthracene	40.000	42.162	-5.4	119	0.03
99	T	3,3'-Dichlorobenzidine	40.000	40.421	-1.1	111	0.02
100	T	Chrysene	40.000	42.314	-5.8	118	0.03
101	T	Bis(2-ethylhexyl)phthalate	40.000	41.972	-4.9	119	0.02
102	CCC	Di-n-octyl phthalate	40.000	39.592	1.0	114	0.03
103	T	3-Methylcholanthrene	40.000	43.142	-7.9	126	0.04
104	T	Indeno[1,2,3-cd]pyrene	40.000	39.391	1.5	118	0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	112	0.04
106	T	Benzo[b]fluoranthene	40.000	43.722	-9.3	119	0.04
107	T	Benzo[k]fluoranthene	40.000	37.245	6.9	107	0.04
108	CCC	Benzo[a]pyrene	40.000	41.960	-4.9	115	0.03
109	T	Dibenz(a,j)acridine	40.000	42.718	-6.8	120	0.03
110	T	Dibenz(a,h)anthracene	40.000	42.718	-6.8	118	0.03
111	T	Benzo[g,h,i]perylene	40.000	41.595	-4.0	117	0.04

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.01
2		Pyridine	1.128	1.208	-7.1	113	-0.02
3	T	2-Picoline	1.202	1.158	3.7	104	0.00
4	T	Methyl methanesulfonate	0.725	0.630	13.1	90	0.00
5	S	2-Fluorophenol	1.117	1.141	-2.1	105	0.00
6	T	Ethyl methanesulfonate	0.966	1.028	-6.4	112	0.00
7		Benzaldehyde	0.855	0.741	13.3	81	0.00
8	T	Aniline	0.749	0.811	-8.3	114	0.00
9	S	Phenol-d5	1.553	1.649	-6.2	111	0.00
10	CCC	Phenol	1.647	1.817	-10.3	116	0.00
11	T	Bis(2-chloroethyl)ether	1.060	0.994	6.2	97	0.00
12	T	2-Chlorophenol	1.350	1.421	-5.3	110	0.00
13	T	1,3-Dichlorobenzene	1.511	1.551	-2.6	108	0.01
14	CCC	1,4-Dichlorobenzene	1.570	1.620	-3.2	111	0.00
15	T	1,2-Dichlorobenzene	1.465	1.516	-3.5	107	0.01
16	T	Benzyl alcohol	0.859	0.912	-6.2	110	0.00
17	T	Bis(2-chloroisopropyl)ether	2.197	2.285	-4.0	108	0.00
18	T	2-Methylphenol	1.051	1.112	-5.8	110	0.00
19	T	3&4-Methylphenol	1.272	1.591	-25.1#	131	0.00
20	PC	N-Nitrosodi-n-propylamine	1.051	1.056	-0.5	104	0.01
21	T	N-Nitrosodimethylamine	0.524	0.580	-10.7	114	0.00
22	T	Hexachloroethane	0.590	0.614	-4.1	110	0.01
23	I	Naphthalene-d8	1.000	1.000	0.0	107	0.01
24	S	Nitrobenzene-d5	0.402	0.409	-1.7	107	0.00
25	T	Acetophenone	0.504	0.263	47.8#	55	0.00
26	M	Nitrobenzene	0.411	0.433	-5.4	110	0.00
27	T	N-Nitrosopiperidine	0.177	0.191	-7.9	113	0.01
28	T	Isophorone	0.722	0.750	-3.9	110	0.00
29	CCC	2-Nitrophenol	0.197	0.207	-5.1	110	0.00
30	T	2,4-Dimethylphenol	0.321	0.333	-3.7	108	0.01
31	T	Bis(2-chloroethoxy)methane	0.404	0.463	-14.6	120	0.01
32	CCC	2,4-Dichlorophenol	0.307	0.323	-5.2	110	0.00
33	T	1,2,4-Trichlorobenzene	0.346	0.355	-2.6	108	0.01
34	T	Naphthalene	1.112	1.178	-5.9	111	0.01
35	T	Benzoic acid	0.073	0.000	100.0#	0#	-6.03#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.305	0.317	-3.9	108	0.01
37	T	4-Chloroaniline	0.441	0.482	-9.3	113	0.01
38	CCC	Hexachlorobutadiene	0.204	0.214	-4.9	110	0.01
39	T	a,a-Dimethylphenethylamine	0.917	0.894	2.5	100	0.10
40		Caprolactam	0.195	0.233	-19.5	123	0.03
41	CCC	4-Chloro-3-methylphenol	0.313	0.343	-9.6	114	0.01
42	T	N-Nitrosodi-n-butylamine	0.339	0.357	-5.3	107	0.01
43	T	2-Methylnaphthalene	0.737	0.797	-8.1	114	0.01
44	T	1-Methylnaphthalene	0.739	0.809	-9.5	115	0.01
45	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.02
46	T	1,2,4,5-Tetrachlorobenzene	0.596	0.586	1.7	105	0.01
47	PC	Hexachlorocyclopentadiene	0.234	0.239	-2.1	114	0.01
48	CCC	2,4,6-Trichlorophenol	0.376	0.371	1.3	107	0.01
49	T	2,4,5-Trichlorophenol	0.417	0.419	-0.5	106	0.00
50	S	2-Fluorobiphenyl	1.394	1.398	-0.3	108	0.02
51		Biphenyl	1.683	1.819	-8.1	115	0.02
52	T	2-Chloronaphthalene	1.161	1.239	-6.7	113	0.01
53	T	1-Chloronaphthalene	1.137	1.023	10.0	97	0.01
54	T	2-Nitroaniline	0.342	0.350	-2.3	109	0.01
55	T	3-Nitroaniline	0.320	0.327	-2.2	107	0.00
56	T	Pentachlorobenzene	0.534	0.533	0.2	107	0.02
57	T	4-Nitroaniline	0.318	0.339	-6.6	113	0.01
58	T	2-Naphthylamine	1.124	1.064	5.3	97	0.02
59	T	1-Naphthylamine	1.154	1.163	-0.8	102	0.02
60	T	Dimethyl phthalate	1.317	1.334	-1.3	109	0.01
61	T	Acenaphthylene	1.632	1.862	-14.1	122	0.02
62	T	2,6-Dinitrotoluene	0.294	0.299	-1.7	109	0.01
63	CCC	Acenaphthene	1.159	1.139	1.7	106	0.02
64	PC	2,4-Dinitrophenol	0.157	0.142	9.6	119	-0.01
65	T	Dibenzofuran	1.679	1.676	0.2	106	0.02
66	PC	4-Nitrophenol	0.217	0.175	19.4	79	-0.04
67	M	2,4-Dinitrotoluene	0.404	0.418	-3.5	109	0.02
68	T	2,3,4,6-Tetrachlorophenol	0.345	0.323	6.4	99	0.01
69	T	Diethyl phthalate	1.328	1.316	0.9	106	0.02
70	T	Fluorene	1.430	1.427	0.2	107	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.690	0.691	-0.1	106	0.02
72	S	2,4,6-Tribromophenol	0.202	0.211	-4.5	112	0.02
73	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.02
74	T	4,6-Dinitro-2-methylphenol	0.140	0.160	-14.3	123	0.02
75	T	Azobenzene	0.755	0.801	-6.1	115	0.02
76	T	1,2-Diphenylhydrazine	0.222	0.238	-7.2	118	0.02
77	CCC	Diphenylamine	0.152	0.141	7.2	99	0.02
78	T	N-Nitrosodiphenylamine	0.756	0.684	9.5	98	0.02
79	T	4-Bromophenyl phenyl ether	0.232	0.250	-7.8	118	0.02
80	T	Phenacetin	0.348	0.381	-9.5	118	0.02
81	T	Hexachlorobenzene	0.238	0.249	-4.6	114	0.02
82		Atrazine	0.234	0.245	-4.7	113	0.02
83	T	4-Aminobiphenyl	0.778	0.830	-6.7	111	0.02
84	CCC	Pentachlorophenol	0.129	0.156	-20.9	132	0.02
85	T	Pentachloronitrobenzene	0.101	0.108	-6.9	116	0.02
86	T	Pronamide	0.335	0.337	-0.6	109	0.02
87	T	Phenanthrene	1.187	1.209	-1.9	111	0.02
88	T	Anthracene	1.178	1.290	-9.5	119	0.02
89	T	Carbazole	1.094	1.222	-11.7	121	0.02
90	T	Di-n-butyl phthalate	1.282	1.387	-8.2	117	0.02
91	CCC	Fluoranthene	1.356	1.442	-6.3	115	0.02
92	I	Chrysene-d12	1.000	1.000	0.0	115	0.03
93	T	Pyrene	1.334	1.409	-5.6	118	0.02
94	S	4-Terphenyl-d14	0.963	0.951	1.2	111	0.02
95	T	Benzidine	0.499	0.405	18.8	86	0.01
96	T	Dimethylaminoazobenzene	0.287	0.307	-7.0	119	0.02
97	T	Butyl benzyl phthalate	0.574	0.612	-6.6	121	0.02
98	T	Benz(a)anthracene	1.322	1.393	-5.4	119	0.03
99	T	3,3'-Dichlorobenzidine	0.476	0.481	-1.1	111	0.02
100	T	Chrysene	1.267	1.340	-5.8	118	0.03
101	T	Bis(2-ethylhexyl)phthalate	0.810	0.850	-4.9	119	0.02
102	CCC	Di-n-octyl phthalate	1.451	1.437	1.0	114	0.03
103	T	3-Methylcholanthrene	0.618	0.667	-7.9	126	0.04
104	T	Indeno[1,2,3-cd]pyrene	1.352	1.331	1.6	118	0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	112	0.04
106	T	Benzo[b]fluoranthene	1.637	1.789	-9.3	119	0.04
107	T	Benzo[k]fluoranthene	1.656	1.542	6.9	107	0.04
108	CCC	Benzo[a]pyrene	1.547	1.623	-4.9	115	0.03
109	T	Dibenz(a,j)acridine	1.387	1.481	-6.8	120	0.03
110	T	Dibenz(a,h)anthracene	1.580	1.688	-6.8	118	0.03
111	T	Benzo[g,h,i]perylene	1.691	1.758	-4.0	117	0.04

Injection Log

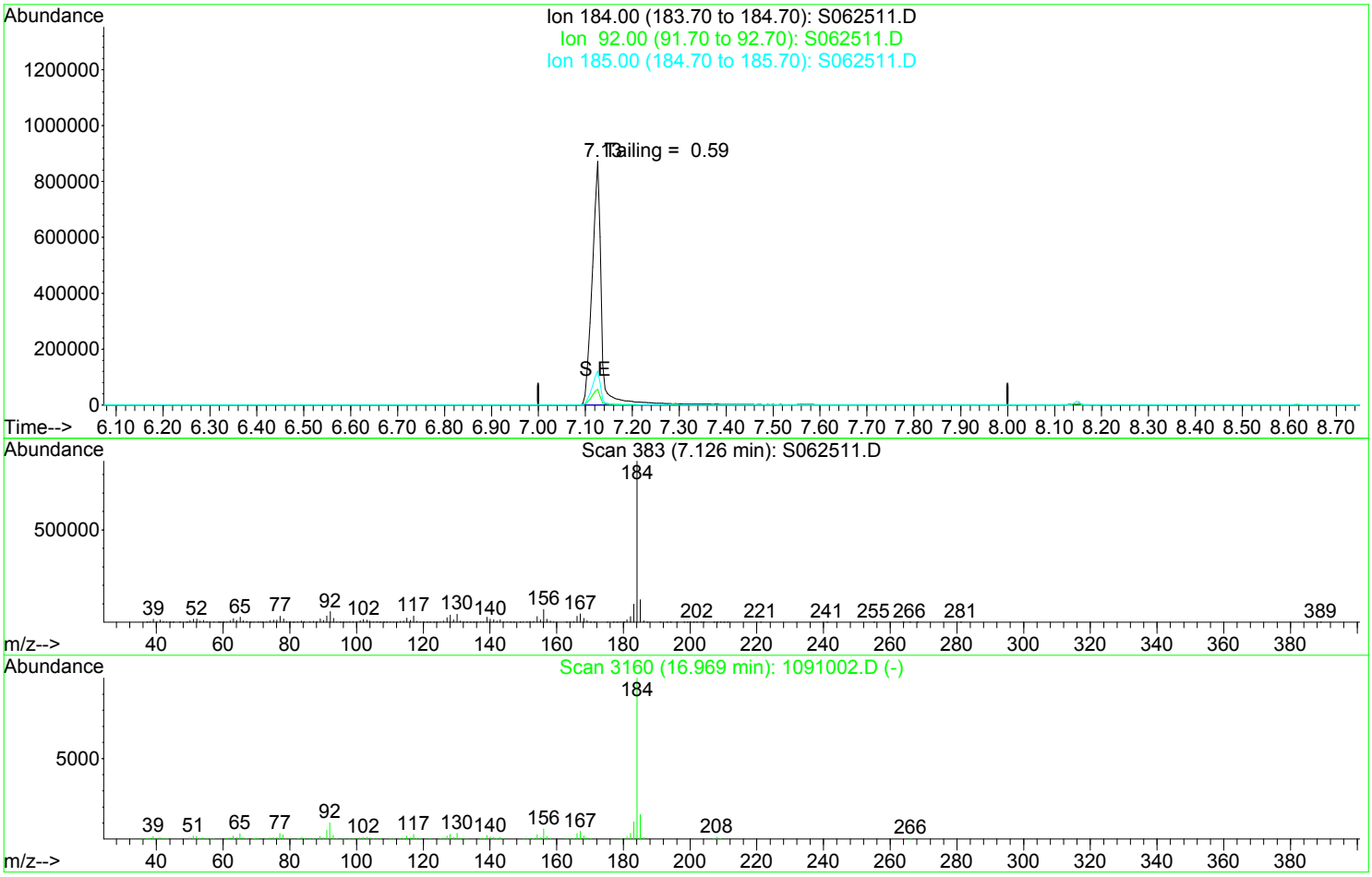
Directory: D:\MSDchem\DATA\S40625

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	17	S062500.d	1.	LCStest 2256	TUNE DFTPP_4	25 Jun 2004 09:26
2	1	S062501.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 10:04
3	1	S062502.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 10:38
4	2	S062503.d	1.	BNA80 2238	CCV 8270_TCL4.2_S	25 Jun 2004 10:58
5	3	S062504.d	1.	MB-47088	MBLK 8270_PAH_S	25 Jun 2004 11:36
6	4	S062505.d	1.	LCS-47088	LCS 8270_PAH_W	25 Jun 2004 12:14
7	5	S062506.d	1.	0406B21-002B 47088	SAMP 8270_PAH_W	25 Jun 2004 12:52
8	6	S062507.d	1.	0406B21-002BMS 47088	MS 8270_PAH_W	25 Jun 2004 13:29
9	7	S062508.d	1.	0406B21-002BMSD 47088	MSD 8270_PAH_W	25 Jun 2004 14:06
10	8	S062509.d	1.	0406A60-003B 47088	SAMP 8270_PAH_W	25 Jun 2004 14:44
11	9	S062510.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 15:17
12	10	S062511.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 16:48
13	11	S062512.d	1.	BNA80 2238	CCV 8270_TCL4.2_S	25 Jun 2004 17:07
14	12	S062513.d	1.	BNA120 2238	CCV 8270_TCL4.2_S	25 Jun 2004 17:44
15	13	S062514.d	1.	MB-47086	MBLK 8270_TCL4.2_X	25 Jun 2004 18:22
16	14	S062515.d	1.	LCS-47086	LCS 8270_TCL4.2_X	25 Jun 2004 19:00
17	15	S062516.d	1.	0406C14-001D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 19:37
18	16	S062517.d	1.	0406C14-001DMS 47086	MS 8270_TCL4.2_X	25 Jun 2004 20:15
19	17	S062518.d	1.	0406C14-001DMSD 47086	MSD 8270_TCL4.2_X	25 Jun 2004 20:53
20	18	S062519.d	1.	0406C14-002D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 21:30
21	19	S062520.d	1.	0406C14-003D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 22:08
22	20	S062521.d	1.	0406B33-003B 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 22:46
23	21	S062522.d	1.	0406B55-001B 47088	SAMP 8270_PAH_W	25 Jun 2004 23:24
24	22	S062523.d	1.	0406B55-002B 47088	SAMP 8270_PAH_W	26 Jun 2004 00:01
25	23	S062524.d	1.	0406B21-005B 47088	SAMP 8270_PAH_W	26 Jun 2004 00:39
26	24	S062525.d	1.	0406B21-007B 47088	SAMP 8270_PAH_W	26 Jun 2004 01:17
27	25	S062526.d	1.	0406B09-003B 47088	SAMP 8270_PAH_W	26 Jun 2004 01:55
28	26	S062527.d	1.	0406C34-001B 47088	SAMP 8270_PAH_W	26 Jun 2004 02:33
29	27	S062528.d	1.	0406C34-002B 47088	SAMP 8270_PAH_W	26 Jun 2004 03:11
30	28	S062529.d	1.	0406C34-003B 47088	SAMP 8270_PAH_W	26 Jun 2004 03:48
31	29	S062530.d	1.	0406C34-004B 47088	SAMP 8270_PAH_W	26 Jun 2004 04:26

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062511.D **Vial: 10**
Acq On : 25 Jun 2004 4:48 pm **Operator: YH**
Sample : DFTPP 2256 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:25 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Apr 02 15:25:24 2004
Response via : Multiple Level Calibration



TIC: S062511.D

(6) Benzidine (T)

7.13min 0.00ng m

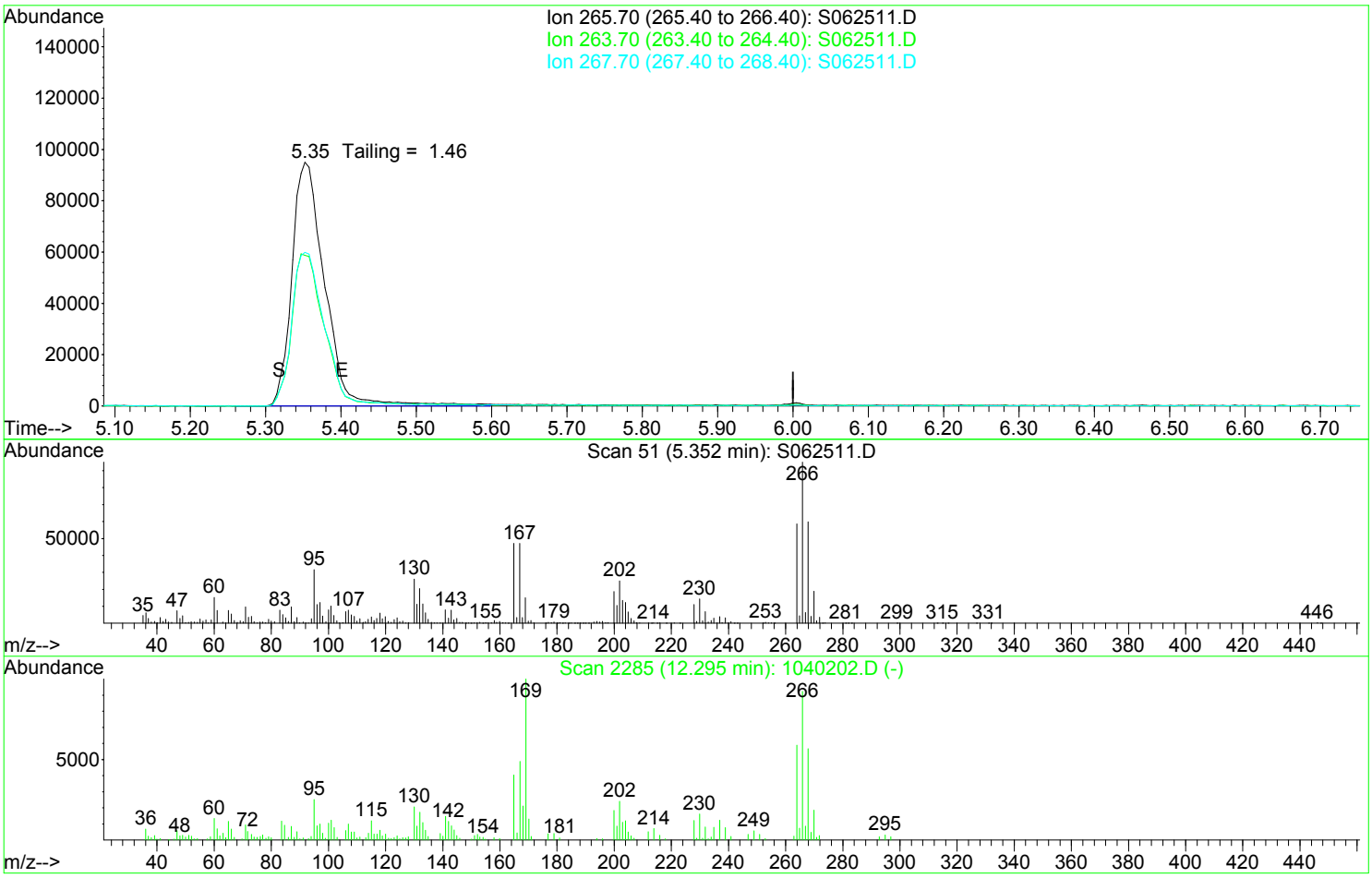
response 1211540

Ion	Exp%	Act%
184.00	100	100
92.00	10.50	6.23
185.00	14.80	13.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062511.D **Vial: 10**
Acq On : 25 Jun 2004 4:48 pm **Operator: YH**
Sample : DFTPP 2256 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:25 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Apr 02 15:25:24 2004
Response via : Multiple Level Calibration



TIC: S062511.D

(3) Pentachlorophenol (CCC)

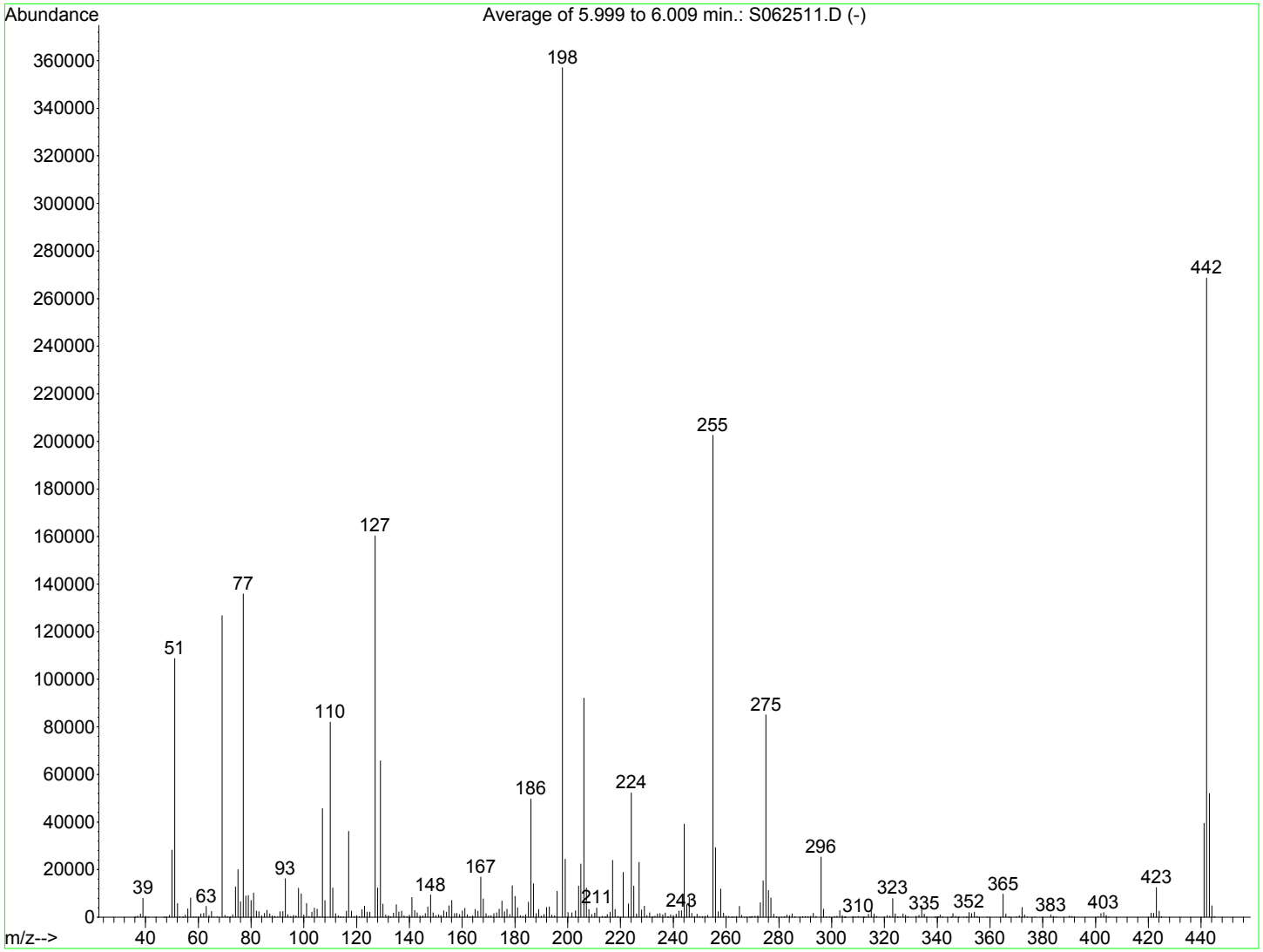
5.35min 0.00ng

response 284683

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	62.50
267.70	63.60	63.75
0.00	0.00	0.00

DFTPP 625 Results

D:\MSDCHEM\DATA\S40625\S062511.D **Mon Jun 28 09:27:25 2004**



Peak Apex is scan: 173
Average of 3 scans: 172,173,174 minus background scan 163

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	30.4	PASS
68	69	0	2	0.0	PASS
69	198	0	100	35.5	PASS
70	69	0	2	0.7	PASS
127	198	40	60	44.9	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	23.8	PASS
365	198	1	100	2.7	PASS
441	443	0	100	76.0	PASS
442	198	40	100	75.2	PASS
443	442	17	23	19.4	PASS

Information from Data File:
File: D:\MSDCHEM\DATA\S40625\S062511.D
Operator: YH
Date Acquired: 25 Jun 2004 4:48 pm
Method File: DFTPP
Sample Name: DFTPP 2256
Misc Info: TUNE DFTPP_4
Vial Number: 10

Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

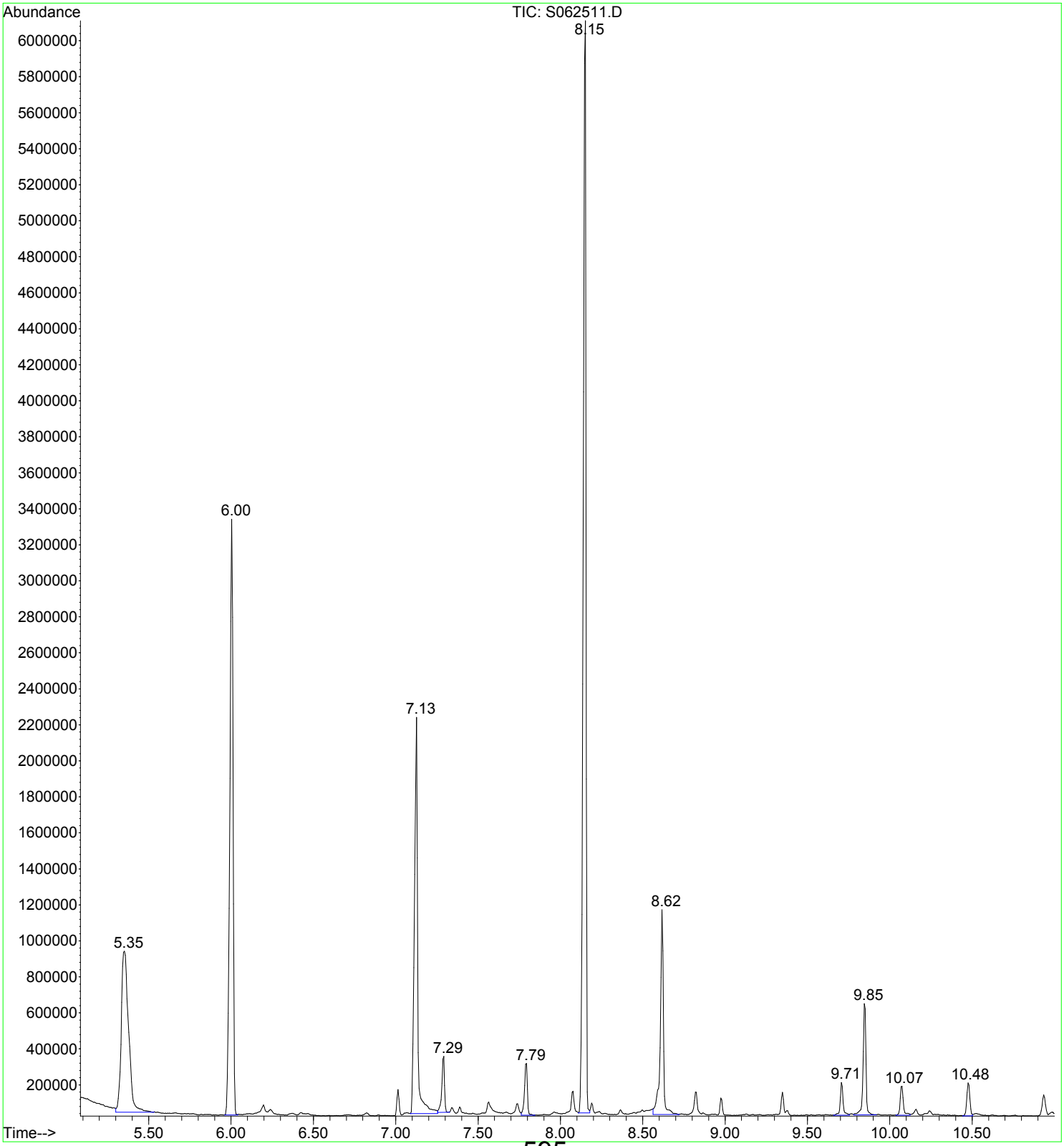
Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.35	13.24	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	96
2	6.00	21.64	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	99
3	7.13	14.46	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	96
			Benzidine	78849	000092-87-5	95
			Benzidine	125548	000092-87-5	95
4	7.29	1.70	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	97
			Hexadecanoic acid, 1,1-dimethyl...	15255	031158-91-5	62
			Cyclopropane, 1-(1-methylethyl)...	15264	041977-39-3	46
5	7.79	1.65	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloroph...	127283	000072-54-8	97
			1,1-Dichloro-2,2-bis(p-chloroph...	127280	000072-54-8	93
			1,1-Dichloro-2,2-bis(p-chloroph...	90535	000072-54-8	93
6	8.15	33.63	C:\DATABASE\NIST98.L			
			Chlorophenothane	127284	000050-29-3	99
			o,p'-DDT	127279	000789-02-6	95
			o,p'-DDT	127278	000789-02-6	94
7	8.62	7.03	C:\DATABASE\NIST98.L			
			dl-2-Ethylhexyl chloroformate	17577	024468-13-1	74
			1-Pentanol, 2-methyl-	109332	000105-30-6	38
			2-Heptene, 3-methyl-	23868	003404-75-9	35
8	9.71	1.02	C:\DATABASE\NIST98.L			
			Eicosane	109630	000112-95-8	96
			Eicosane	16454	000112-95-8	95
			Eicosane	112343	000112-95-8	93

9	9.85	3.50	C:\DATABASE\NIST98.L			
			Squalene	114263	007683-64-9	87
			2,6,10,14,18,22-Tetracosahexaen...	114266	000111-02-4	86
			4,9,13,17-Tetramethyl-4,8,12,16...	23043	056882-09-8	83
10	10.07	1.01	C:\DATABASE\NIST98.L			
			Eicosane	112343	000112-95-8	97
			Nonadecane	112576	000629-92-5	96
			Eicosane	16454	000112-95-8	95
11	10.48	1.11	C:\DATABASE\NIST98.L			
			Eicosane	112343	000112-95-8	98
			Hexatriacontane	112335	000630-06-8	93
			Eicosane	112344	000112-95-8	92

Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062511.D Vial: 10
Acq On : 25 Jun 2004 4:48 pm Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062511.D Vial: 10
Acq On : 25 Jun 2004 4:48 pm Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.352	41	51	84	rVB3	894521	2764790	39.38%	13.244%
2	6.004	165	173	180	rBV	3310080	4517655	64.34%	21.641%
3	7.126	376	383	407	rBV	2200148	3018285	42.99%	14.459%
4	7.292	407	414	420	rVB	310417	353869	5.04%	1.695%
5	7.794	502	508	517	rVB	288146	343529	4.89%	1.646%
6	8.152	567	575	580	rBV	6067102	7021129	100.00%	33.633%
7	8.616	652	662	681	rVB	1137188	1467547	20.90%	7.030%
8	9.706	857	866	875	rBV	182094	213740	3.04%	1.024%
9	9.845	880	892	905	rVB	617498	731576	10.42%	3.504%
10	10.075	928	935	944	rBV	159786	211485	3.01%	1.013%
11	10.476	1004	1010	1015	rBV	183449	231800	3.30%	1.110%

Sum of corrected areas: 20875405

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	59	-0.09
2		Pyridine	1.128	1.031	8.6	52	-0.05
3	T	2-Picoline	1.202	1.034	14.0	49#	-0.13
4	T	Methyl methanesulfonate	0.725	0.716	1.2	56	-0.11
5	S	2-Fluorophenol	1.117	1.073	3.9	53	-0.11
6	T	Ethyl methanesulfonate	0.966	1.014	-5.0	60	-0.09
7		Benzaldehyde	0.855	0.374	56.3#	35#	-0.09
8	T	Aniline	0.749	0.771	-2.9	56	-0.09
9	S	Phenol-d5	1.553	1.717	-10.6	63	-0.10
10	CCC	Phenol	1.647	1.630	1.0	56	-0.10
11	T	Bis(2-chloroethyl)ether	1.060	1.039	2.0	56	-0.08
12	T	2-Chlorophenol	1.350	1.390	-3.0	60	-0.09
13	T	1,3-Dichlorobenzene	1.511	1.525	-0.9	60	-0.08
14	CCC	1,4-Dichlorobenzene	1.570	1.588	-1.1	61	-0.09
15	T	1,2-Dichlorobenzene	1.465	1.504	-2.7	61	-0.09
16	T	Benzyl alcohol	0.859	0.882	-2.7	58	-0.10
17	T	Bis(2-chloroisopropyl)ether	2.197	2.434	-10.8	67	-0.09
18	T	2-Methylphenol	1.051	1.153	-9.7	64	-0.10
19	T	4-Methylphenol	1.272	1.385	-8.9	64	-0.10
20	PC	N-Nitrosodi-n-propylamine	1.051	1.267	-20.6	71	-0.08
21	T	N-Nitrosodimethylamine	0.524	0.485	7.4	52	-0.05
22	T	Hexachloroethane	0.590	0.715	-21.2	73	-0.10
23	I	Naphthalene-d8	1.000	1.000	0.0	62	-0.10
24	S	Nitrobenzene-d5	0.402	0.482	-19.9	72	-0.10
25	T	Acetophenone	0.504	0.559	-10.9	68	-0.09
26	M	Nitrobenzene	0.411	0.485	-18.0	74	-0.09
27	T	N-Nitrosopiperidine	0.177	0.181	-2.3	61	-0.09
28	T	Isophorone	0.722	0.811	-12.3	69	-0.10
29	CCC	2-Nitrophenol	0.197	0.203	-3.0	60	-0.10
30	T	2,4-Dimethylphenol	0.321	0.320	0.3	60	-0.10
31	T	Bis(2-chloroethoxy)methane	0.404	0.413	-2.2	62	-0.10
32	CCC	2,4-Dichlorophenol	0.307	0.324	-5.5	63	-0.11
33	T	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	65	-0.10
34	T	Naphthalene	1.112	1.158	-4.1	65	-0.11
35	T	Benzoic acid	0.073	0.131	-79.5#	93	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.305	0.322	-5.6	65	-0.11
37	T	4-Chloroaniline	0.441	0.413	6.3	57	-0.11
38	CCC	Hexachlorobutadiene	0.204	0.233	-14.2	70	-0.11
39	T	a,a-Dimethylphenethylamine	0.917	1.160	-26.5#	71	0.06
40		Caprolactam	0.195	0.257	-31.8#	75	-0.11
41	CCC	4-Chloro-3-methylphenol	0.313	0.364	-16.3	69	-0.13
42	T	N-Nitrosodi-n-butylamine	0.339	0.396	-16.8	70	-0.11
43	T	2-Methylnaphthalene	0.737	0.787	-6.8	66	-0.12
44	T	1-Methylnaphthalene	0.739	0.772	-4.5	65	-0.12
45	I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.13
46	T	1,2,4,5-Tetrachlorobenzene	0.596	0.609	-2.2	66	-0.12
47	PC	Hexachlorocyclopentadiene	0.234	0.247	-5.6	58	-0.12
48	CCC	2,4,6-Trichlorophenol	0.376	0.385	-2.4	63	-0.13
49	T	2,4,5-Trichlorophenol	0.417	0.435	-4.3	65	-0.13
50	S	2-Fluorobiphenyl	1.394	1.462	-4.9	68	-0.12
51		Biphenyl	1.683	1.832	-8.9	71	-0.12
52	T	2-Chloronaphthalene	1.161	1.281	-10.3	72	-0.13
53	T	1-Chloronaphthalene	1.137	1.113	2.1	64	-0.13
54	T	2-Nitroaniline	0.342	0.458	-33.9#	80	-0.13
55	T	3-Nitroaniline	0.320	0.353	-10.3	65	-0.14
56	T	Pentachlorobenzene	0.534	0.569	-6.6	68	-0.14
57	T	4-Nitroaniline	0.318	0.330	-3.8	59	-0.14
58	T	2-Naphthylamine	1.124	0.902	19.8	53	-0.14
59	T	1-Naphthylamine	1.154	0.837	27.5#	49#	-0.14
60	T	Dimethyl phthalate	1.317	1.423	-8.0	69	-0.12
61	T	Acenaphthylene	1.632	1.672	-2.5	65	-0.13
62	T	2,6-Dinitrotoluene	0.294	0.319	-8.5	66	-0.13
63	CCC	Acenaphthene	1.159	1.209	-4.3	67	-0.13
64	PC	2,4-Dinitrophenol	0.157	0.125	20.4	39#	-0.13
65	T	Dibenzofuran	1.679	1.722	-2.6	65	-0.14
66	PC	4-Nitrophenol	0.217	0.275	-26.7#	75	-0.14
67	M	2,4-Dinitrotoluene	0.404	0.447	-10.6	66	-0.13
68	T	2,3,4,6-Tetrachlorophenol	0.345	0.336	2.6	59	-0.14
69	T	Diethyl phthalate	1.328	1.637	-23.3	78	-0.13
70	T	Fluorene	1.430	1.598	-11.7	71	-0.14

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.690	0.741	-7.4	69	-0.14
72	S	2,4,6-Tribromophenol	0.202	0.234	-15.8	70	-0.15
73	I	Phenanthrene-d10	1.000	1.000	0.0	68	-0.15
74	T	4,6-Dinitro-2-methylphenol	0.140	0.131	6.4	53	-0.14
75	T	Azobenzene	0.755	1.086	-43.8#	99	-0.14
76	T	1,2-Diphenylhydrazine	0.222	0.214	3.6	66	-0.14
77	CCC	Diphenylamine	0.152	0.158	-3.9	72	-0.14
78	T	N-Nitrosodiphenylamine	0.756	0.797	-5.4	73	-0.14
79	T	4-Bromophenyl phenyl ether	0.232	0.232	0.0	68	-0.14
80	T	Phenacetin	0.348	0.420	-20.7	76	-0.14
81	T	Hexachlorobenzene	0.238	0.243	-2.1	71	-0.15
82		Atrazine	0.234	0.230	1.7	67	-0.14
83	T	4-Aminobiphenyl	0.778	0.637	18.1	57	-0.15
84	CCC	Pentachlorophenol	0.129	0.109	15.5	47#	-0.15
85	T	Pentachloronitrobenzene	0.101	0.126	-24.8	84	-0.15
86	T	Pronamide	0.335	0.380	-13.4	76	-0.14
87	T	Phenanthrene	1.187	1.154	2.8	68	-0.15
88	T	Anthracene	1.178	1.148	2.5	67	-0.15
89	T	Carbazole	1.094	1.100	-0.5	68	-0.16
90	T	Di-n-butyl phthalate	1.282	1.416	-10.5	75	-0.14
91	CCC	Fluoranthene	1.356	1.386	-2.2	69	-0.16
92	I	Chrysene-d12	1.000	1.000	0.0	74	-0.17
93	T	Pyrene	1.334	1.261	5.5	70	-0.17
94	S	4-Terphenyl-d14	0.963	0.937	2.7	72	-0.16
95	T	Benzidine	0.499	0.252	49.5#	41#	-0.16
96	T	Dimethylaminoazobenzene	0.287	0.281	2.1	70	-0.16
97	T	Butyl benzyl phthalate	0.574	0.625	-8.9	79	-0.15
98	T	Benz(a)anthracene	1.322	1.325	-0.2	73	-0.17
99	T	3,3'-Dichlorobenzidine	0.476	0.502	-5.5	79	-0.17
100	T	Chrysene	1.267	1.274	-0.6	76	-0.17
101	T	Bis(2-ethylhexyl)phthalate	0.810	0.920	-13.6	83	-0.15
102	CCC	Di-n-octyl phthalate	1.451	1.664	-14.7	83	-0.19
103	T	3-Methylcholanthrene	0.618	0.637	-3.1	72	-0.31
104	T	Indeno[1,2,3-cd]pyrene	1.352	1.325	2.0	66	-0.29

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	72	-0.28
106	T	Benzo[b]fluoranthene	1.637	1.688	-3.1	74	-0.22
107	T	Benzo[k]fluoranthene	1.656	1.780	-7.5	78	-0.23
108	CCC	Benzo[a]pyrene	1.547	1.570	-1.5	72	-0.26
109	T	Dibenz(a,j)acridine	1.387	1.389	-0.1	68	-0.32
110	T	Dibenz(a,h)anthracene	1.580	1.601	-1.3	70	-0.30
111	T	Benzo[g,h,i]perylene	1.691	1.631	3.5	66	-0.28

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	59	-0.09
2		Pyridine	120.000	109.705	8.6	52	-0.05
3	T	2-Picoline	120.000	103.240	14.0	49	-0.13
4	T	Methyl methanesulfonate	120.000	118.493	1.3	56	-0.11
5	S	2-Fluorophenol	120.000	115.242	4.0	53	-0.11
6	T	Ethyl methanesulfonate	120.000	125.927	-4.9	60	-0.09
7		Benzaldehyde	120.000	52.569	56.2#	35	-0.09
8	T	Aniline	120.000	123.419	-2.8	56	-0.09
9	S	Phenol-d5	120.000	132.620	-10.5	63	-0.10
10	CCC	Phenol	120.000	118.764	1.0	56	-0.10
11	T	Bis(2-chloroethyl)ether	120.000	117.564	2.0	56	-0.08
12	T	2-Chlorophenol	120.000	123.556	-3.0	60	-0.09
13	T	1,3-Dichlorobenzene	120.000	121.155	-1.0	60	-0.08
14	CCC	1,4-Dichlorobenzene	120.000	121.382	-1.2	61	-0.09
15	T	1,2-Dichlorobenzene	120.000	123.149	-2.6	61	-0.09
16	T	Benzyl alcohol	120.000	123.182	-2.7	58	-0.10
17	T	Bis(2-chloroisopropyl)ether	120.000	132.957	-10.8	67	-0.09
18	T	2-Methylphenol	120.000	131.662	-9.7	64	-0.10
19	T	4-Methylphenol	240.000	261.319	-8.9	64	-0.10
20	PC	N-Nitrosodi-n-propylamine	120.000	144.623	-20.5	71	-0.08
21	T	N-Nitrosodimethylamine	120.000	111.078	7.4	52	-0.05
22	T	Hexachloroethane	120.000	145.397	-21.2	73	-0.10
23	I	Naphthalene-d8	40.000	40.000	0.0	62	-0.10
24	S	Nitrobenzene-d5	120.000	143.841	-19.9	72	-0.10
25	T	Acetophenone	240.000	266.154	-10.9	68	-0.09
26	M	Nitrobenzene	120.000	141.575	-18.0	74	-0.09
27	T	N-Nitrosopiperidine	120.000	122.259	-1.9	61	-0.09
28	T	Isophorone	120.000	134.814	-12.3	69	-0.10
29	CCC	2-Nitrophenol	120.000	123.239	-2.7	60	-0.10
30	T	2,4-Dimethylphenol	120.000	119.593	0.3	60	-0.10
31	T	Bis(2-chloroethoxy)methane	120.000	122.741	-2.3	62	-0.10
32	CCC	2,4-Dichlorophenol	120.000	126.514	-5.4	63	-0.11
33	T	1,2,4-Trichlorobenzene	120.000	127.239	-6.0	65	-0.10
34	T	Naphthalene	120.000	124.972	-4.1	65	-0.11
35	T	Benzoic acid	120.000	147.086	-22.6	93	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	126.606	-5.5	65	-0.11
37	T	4-Chloroaniline	120.000	112.294	6.4	57	-0.11
38	CCC	Hexachlorobutadiene	120.000	136.869	-14.1	70	-0.11
39	T	a,a-Dimethylphenethylamine	120.000	151.719	-26.4#	71	0.06
40		Caprolactam	120.000	158.080	-31.7#	75	-0.11
41	CCC	4-Chloro-3-methylphenol	120.000	139.534	-16.3	69	-0.13
42	T	N-Nitrosodi-n-butylamine	120.000	140.076	-16.7	70	-0.11
43	T	2-Methylnaphthalene	120.000	128.063	-6.7	66	-0.12
44	T	1-Methylnaphthalene	120.000	125.298	-4.4	65	-0.12
45	I	Acenaphthene-d10	40.000	40.000	0.0	64	-0.13
46	T	1,2,4,5-Tetrachlorobenzene	120.000	122.647	-2.2	66	-0.12
47	PC	Hexachlorocyclopentadiene	120.000	110.335	8.1	58	-0.12
48	CCC	2,4,6-Trichlorophenol	120.000	122.898	-2.4	63	-0.13
49	T	2,4,5-Trichlorophenol	120.000	125.217	-4.3	65	-0.13
50	S	2-Fluorobiphenyl	120.000	125.856	-4.9	68	-0.12
51		Biphenyl	120.000	130.675	-8.9	71	-0.12
52	T	2-Chloronaphthalene	120.000	132.412	-10.3	72	-0.13
53	T	1-Chloronaphthalene	120.000	117.552	2.0	64	-0.13
54	T	2-Nitroaniline	120.000	160.906	-34.1#	80	-0.13
55	T	3-Nitroaniline	120.000	132.151	-10.1	65	-0.14
56	T	Pentachlorobenzene	120.000	127.940	-6.6	68	-0.14
57	T	4-Nitroaniline	120.000	114.164	4.9	59	-0.14
58	T	2-Naphthylamine	120.000	96.322	19.7	53	-0.14
59	T	1-Naphthylamine	120.000	87.047	27.5#	49	-0.14
60	T	Dimethyl phthalate	120.000	129.604	-8.0	69	-0.12
61	T	Acenaphthylene	120.000	122.993	-2.5	65	-0.13
62	T	2,6-Dinitrotoluene	120.000	130.170	-8.5	66	-0.13
63	CCC	Acenaphthene	120.000	125.115	-4.3	67	-0.13
64	PC	2,4-Dinitrophenol	120.000	80.524	32.9#	39	-0.13
65	T	Dibenzofuran	120.000	123.044	-2.5	65	-0.14
66	PC	4-Nitrophenol	120.000	152.017	-26.7#	75	-0.14
67	M	2,4-Dinitrotoluene	120.000	132.760	-10.6	66	-0.13
68	T	2,3,4,6-Tetrachlorophenol	120.000	116.915	2.6	59	-0.14
69	T	Diethyl phthalate	120.000	147.960	-23.3	78	-0.13
70	T	Fluorene	120.000	134.109	-11.8	71	-0.14

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	128.805	-7.3	69	-0.14
72	S	2,4,6-Tribromophenol	120.000	139.431	-16.2	70	-0.15
73	I	Phenanthrene-d10	40.000	40.000	0.0	68	-0.15
74	T	4,6-Dinitro-2-methylphenol	120.000	94.723	21.1	53	-0.14
75	T	Azobenzene	120.000	172.605	-43.8#	99	-0.14
76	T	1,2-Diphenylhydrazine	120.000	116.042	3.3	66	-0.14
77	CCC	Diphenylamine	120.000	124.368	-3.6	72	-0.14
78	T	N-Nitrosodiphenylamine	120.000	126.520	-5.4	73	-0.14
79	T	4-Bromophenyl phenyl ether	120.000	120.067	-0.1	68	-0.14
80	T	Phenacetin	120.000	144.784	-20.7	76	-0.14
81	T	Hexachlorobenzene	120.000	122.338	-1.9	71	-0.15
82		Atrazine	120.000	118.152	1.5	67	-0.14
83	T	4-Aminobiphenyl	120.000	98.236	18.1	57	-0.15
84	CCC	Pentachlorophenol	120.000	101.235	15.6	47	-0.15
85	T	Pentachloronitrobenzene	120.000	150.373	-25.3#	84	-0.15
86	T	Pronamide	120.000	136.078	-13.4	76	-0.14
87	T	Phenanthrene	120.000	116.652	2.8	68	-0.15
88	T	Anthracene	120.000	117.001	2.5	67	-0.15
89	T	Carbazole	120.000	120.602	-0.5	68	-0.16
90	T	Di-n-butyl phthalate	120.000	132.533	-10.4	75	-0.14
91	CCC	Fluoranthene	120.000	122.661	-2.2	69	-0.16
92	I	Chrysene-d12	40.000	40.000	0.0	74	-0.17
93	T	Pyrene	120.000	113.369	5.5	70	-0.17
94	S	4-Terphenyl-d14	120.000	116.723	2.7	72	-0.16
95	T	Benzidine	120.000	60.745	49.4#	41	-0.16
96	T	Dimethylaminoazobenzene	120.000	117.289	2.3	70	-0.16
97	T	Butyl benzyl phthalate	120.000	130.598	-8.8	79	-0.15
98	T	Benz(a)anthracene	120.000	120.306	-0.3	73	-0.17
99	T	3,3'-Dichlorobenzidine	120.000	126.513	-5.4	79	-0.17
100	T	Chrysene	120.000	120.692	-0.6	76	-0.17
101	T	Bis(2-ethylhexyl)phthalate	120.000	136.350	-13.6	83	-0.15
102	CCC	Di-n-octyl phthalate	120.000	137.608	-14.7	83	-0.19
103	T	3-Methylcholanthrene	120.000	123.578	-3.0	72	-0.31
104	T	Indeno[1,2,3-cd]pyrene	120.000	117.670	1.9	66	-0.29

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	72	-0.28
106	T	Benzo[b]fluoranthene	120.000	123.737	-3.1	74	-0.22
107	T	Benzo[k]fluoranthene	120.000	129.014	-7.5	78	-0.23
108	CCC	Benzo[a]pyrene	120.000	121.796	-1.5	72	-0.26
109	T	Dibenz(a,j)acridine	120.000	120.158	-0.1	68	-0.32
110	T	Dibenz(a,h)anthracene	120.000	121.528	-1.3	70	-0.30
111	T	Benzo[g,h,i]perylene	120.000	115.801	3.5	66	-0.28

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.19	152	46280	40.00	ng		-0.09
23) Naphthalene-d8	5.51	136	179624	40.00	ng		-0.10
45) Acenaphthene-d10	7.97	164	114136	40.00	ng		-0.13
73) Phenanthrene-d10	10.67	188	224086	40.00	ng		-0.15
92) Chrysene-d12	16.16	240	252836	40.00	ng		-0.17
105) Perylene-d12	19.56	264	208014	40.00	ng		-0.28
System Monitoring Compounds							
5) 2-Fluorophenol	2.92	112	148991	115.24	ng		-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 115.24%#				
9) Phenol-d5	4.02	99	238366	132.62	ng		-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 132.62%#				
24) Nitrobenzene-d5	4.78	82	259762	143.84	ng		-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 287.68%#				
50) 2-Fluorobiphenyl	6.94	172	500617	125.86	ng		-0.12
Spiked Amount 50.000	Range 43 - 116		Recovery = 251.72%#				
72) 2,4,6-Tribromophenol	9.41	330	80212	139.43	ng		-0.15
Spiked Amount 100.000	Range 10 - 123		Recovery = 139.43%#				
94) 4-Terphenyl-d14	14.04	244	710612	116.72	ng		-0.16
Spiked Amount 50.000	Range 33 - 141		Recovery = 233.44%#				
Target Compounds							Qvalue
2) Pyridine	0.93	79	143177	109.70	ng		96
3) 2-Picoline	1.85	93	143601	103.24	ng		98
4) Methyl methanesulfonate	2.65	80	99421	118.49	ng		99
6) Ethyl methanesulfonate	3.51	79	140797	125.93	ng		99
7) Benzaldehyde	3.76	105	51986	52.57	ng		98
8) Aniline	3.93	66	107014	123.42	ng		99
10) Phenol	4.03	94	226264	118.76	ng	#	96
11) Bis(2-chloroethyl)ether	3.99	63	144190	117.56	ng		91
12) 2-Chlorophenol	4.05	128	192995	123.56	ng		99
13) 1,3-Dichlorobenzene	4.15	146	211779	121.15	ng		99
14) 1,4-Dichlorobenzene	4.20	146	220489	121.38	ng		99
15) 1,2-Dichlorobenzene	4.38	146	208801	123.15	ng		99
16) Benzyl alcohol	4.40	108	122446	123.18	ng		97
17) Bis(2-chloroisopropyl)ethe	4.53	45	337937	132.96	ng		99
18) 2-Methylphenol	4.59	107	160035	131.66	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	4.74	107	384619	261.32	ng		99
20)	N-Nitrosodi-n-propylamine	4.68	70	175914	144.62	ng		99
21)	N-Nitrosodimethylamine	0.93	42	67296	111.08	ng	#	77
22)	Hexachloroethane	4.68	117	99236	145.40	ng		99
25)	Acetophenone	4.63	105	602684	266.15	ng		100
26)	Nitrobenzene	4.80	77	261144	141.58	ng		99
27)	N-Nitrosopiperidine	4.97	114	97281	122.26	ng		99
28)	Isophorone	5.05	82	437000	134.81	ng		100
29)	2-Nitrophenol	5.13	139	109161	123.24	ng		99
30)	2,4-Dimethylphenol	5.24	122	172328	119.59	ng		100
31)	Bis(2-chloroethoxy)methane	5.30	93	222591	122.74	ng		99
32)	2,4-Dichlorophenol	5.43	162	174403	126.51	ng		99
33)	1,2,4-Trichlorobenzene	5.47	180	197689	127.24	ng		100
34)	Naphthalene	5.53	128	624037	124.97	ng		100
35)	Benzoic acid	5.47	122	70763	147.09	ng		98
36)	2,6-Dichlorophenol	5.66	162	173426	126.61	ng		99
37)	4-Chloroaniline	5.66	127	222336	112.29	ng		98
38)	Hexachlorobutadiene	5.75	225	125432	136.87	ng		99
39)	a,a-Dimethylphenethylamine	6.21	58	624827m	151.72	ng		
40)	Caprolactam	6.08	55	138723	158.08	ng		94
41)	4-Chloro-3-methylphenol	6.32	107	196295	139.53	ng		97
42)	N-Nitrosodi-n-butylamine	6.08	84	213391	140.08	ng		96
43)	2-Methylnaphthalene	6.38	142	424080	128.06	ng		98
44)	1-Methylnaphthalene	6.53	142	415861	125.30	ng		99
46)	1,2,4,5-Tetrachlorobenzene	6.67	216	208677	122.65	ng		99
47)	Hexachlorocyclopentadiene	6.69	237	84729	110.34	ng		97
48)	2,4,6-Trichlorophenol	6.86	196	131869	122.90	ng		99
49)	2,4,5-Trichlorophenol	6.95	196	148934	125.22	ng		99
51)	Biphenyl	7.07	154	627369	130.67	ng		100
52)	2-Chloronaphthalene	7.07	162	438663	132.41	ng		99
53)	1-Chloronaphthalene	7.11	162	381246	117.55	ng		99
54)	2-Nitroaniline	7.32	65	156960	160.91	ng		99
55)	3-Nitroaniline	8.01	138	120747	132.15	ng		95
56)	Pentachlorobenzene	8.34	250	194942	127.94	ng		100
57)	4-Nitroaniline	9.13	138	113011	114.16	ng		96
58)	2-Naphthylamine	8.47	143	308962	96.32	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	8.60	143	286599	87.05	ng		97
60)	Dimethyl phthalate	7.66	163	487194	129.60	ng		100
61)	Acenaphthylene	7.71	152	572613	122.99	ng		100
62)	2,6-Dinitrotoluene	7.77	165	109061	130.17	ng		95
63)	Acenaphthene	8.02	154	413830	125.12	ng		100
64)	2,4-Dinitrophenol	8.19	184	42787m	80.52	ng		
65)	Dibenzofuran	8.30	168	589464	123.04	ng		100
66)	4-Nitrophenol	8.49	65	94329	152.02	ng	#	100
67)	2,4-Dinitrotoluene	8.43	165	152912	132.76	ng	#	83
68)	2,3,4,6-Tetrachlorophenol	8.65	232	115119	116.92	ng		99
69)	Diethyl phthalate	8.91	149	560574	147.96	ng		98
70)	Fluorene	8.91	166	547103	134.11	ng		99
71)	4-Chlorophenyl phenyl ethe	8.95	204	253567	128.80	ng		99
74)	4,6-Dinitro-2-methylphenol	9.18	198	87835	94.72	ng	#	1
75)	Azobenzene	9.24	77	729785	172.61	ng		91
76)	1,2-Diphenylhydrazine	9.24	182	144127	116.04	ng		96
77)	Diphenylamine	9.21	170	106071	124.37	ng		100
78)	N-Nitrosodiphenylamine	9.21	168	535847	126.52	ng		100
79)	4-Bromophenyl phenyl ether	9.85	248	156112	120.07	ng		99
80)	Phenacetin	9.96	108	282410	144.78	ng		99
81)	Hexachlorobenzene	10.09	284	163252	122.34	ng		98
82)	Atrazine	10.37	200	154619	118.15	ng		99
83)	4-Aminobiphenyl	10.39	169	428141	98.24	ng		99
84)	Pentachlorophenol	10.51	266	73059m	101.23	ng		
85)	Pentachloronitrobenzene	10.63	237	84930	150.37	ng		99
86)	Pronamide	10.67	173	255254	136.08	ng		99
87)	Phenanthrene	10.72	178	775969	116.65	ng		100
88)	Anthracene	10.81	178	772081	117.00	ng		100
89)	Carbazole	11.21	167	739426	120.60	ng		100
90)	Di-n-butyl phthalate	12.14	149	951755	132.53	ng		100
91)	Fluoranthene	13.14	202	931859	122.66	ng		100
93)	Pyrene	13.58	202	956121	113.37	ng		100
95)	Benzidine	13.54	184	191514	60.74	ng		98
96)	Dimethylaminoazobenzene	14.39	225	212851	117.29	ng		99
97)	Butyl benzyl phthalate	15.23	149	474063	130.60	ng		99
98)	Benz(a)anthracene	16.13	228	1005307	120.31	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

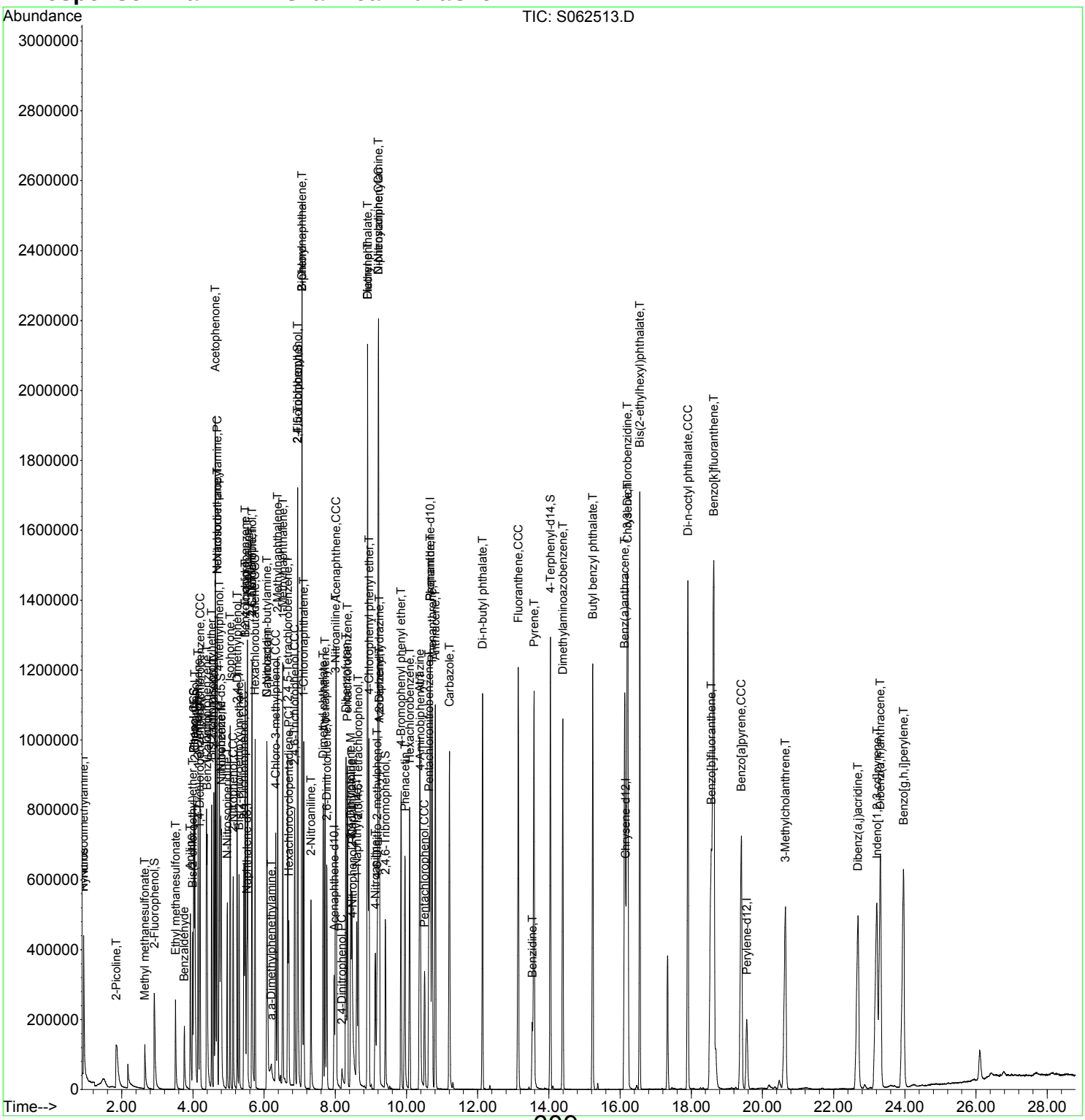
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.20	252	380449	126.51	ng		100
100)	Chrysene	16.22	228	966232	120.69	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.55	149	698065	136.35	ng		100
102)	Di-n-octyl phthalate	17.91	149	1262353	137.61	ng		99
103)	3-Methylcholanthrene	20.65	268	483093	123.58	ng		99
104)	Indeno[1,2,3-cd]pyrene	23.22	276	1005306	117.67	ng	#	100
106)	Benzo[b]fluoranthene	18.56	252	1053431	123.74	ng		98
107)	Benzo[k]fluoranthene	18.64	252	1110842m	129.01	ng		
108)	Benzo[a]pyrene	19.41	252	979959	121.80	ng		99
109)	Dibenz(a,j)acridine	22.68	279	866718	120.16	ng		100
110)	Dibenz(a,h)anthracene	23.31	278	998838	121.53	ng		99
111)	Benzo[g,h,i]perylene	23.96	276	1018046	115.80	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:00 2004 Quant Results File: B022704.RES

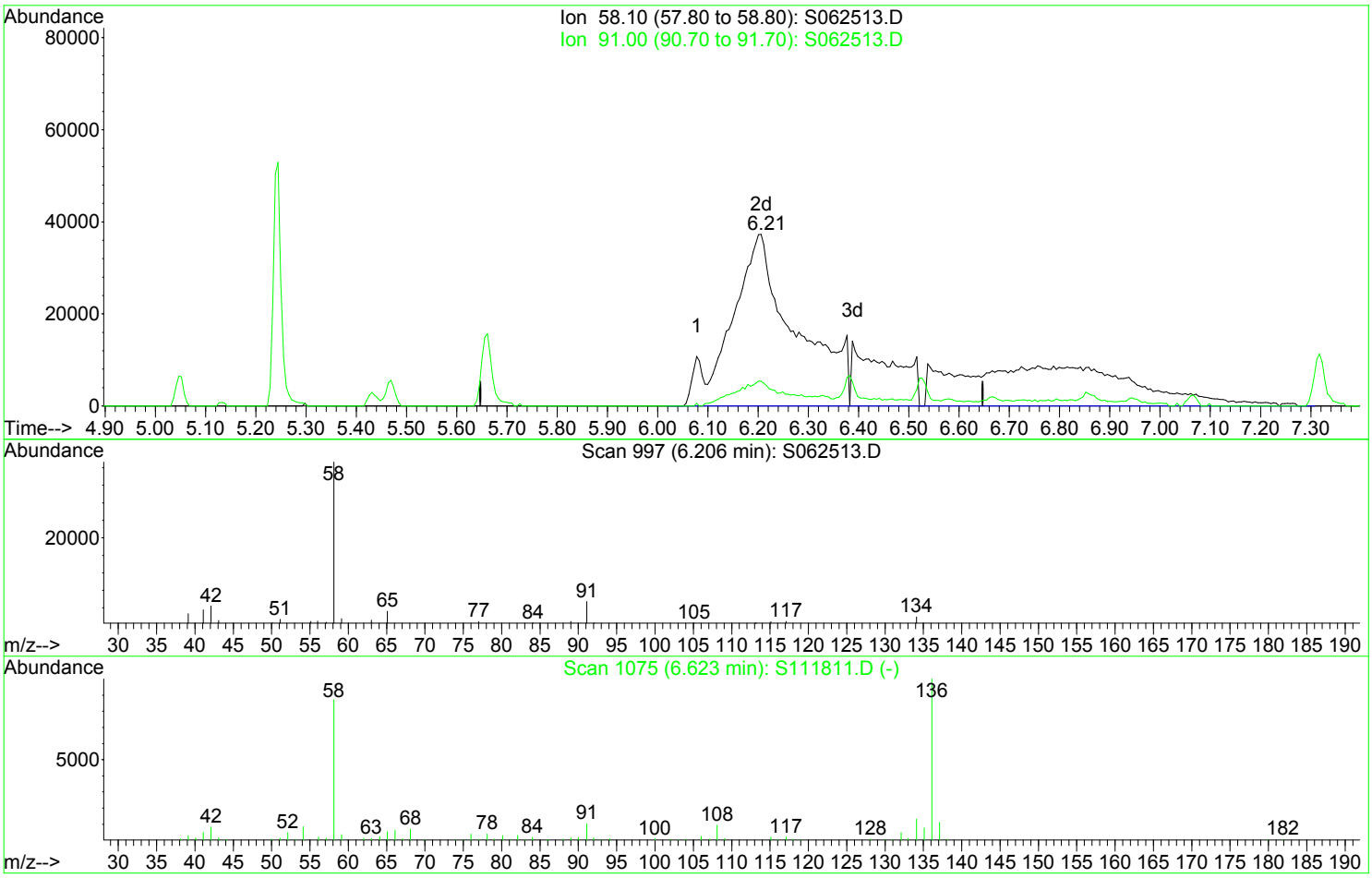
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:58 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(39) a,a-Dimethylphenethylamine (T)

6.21min 151.72ng m

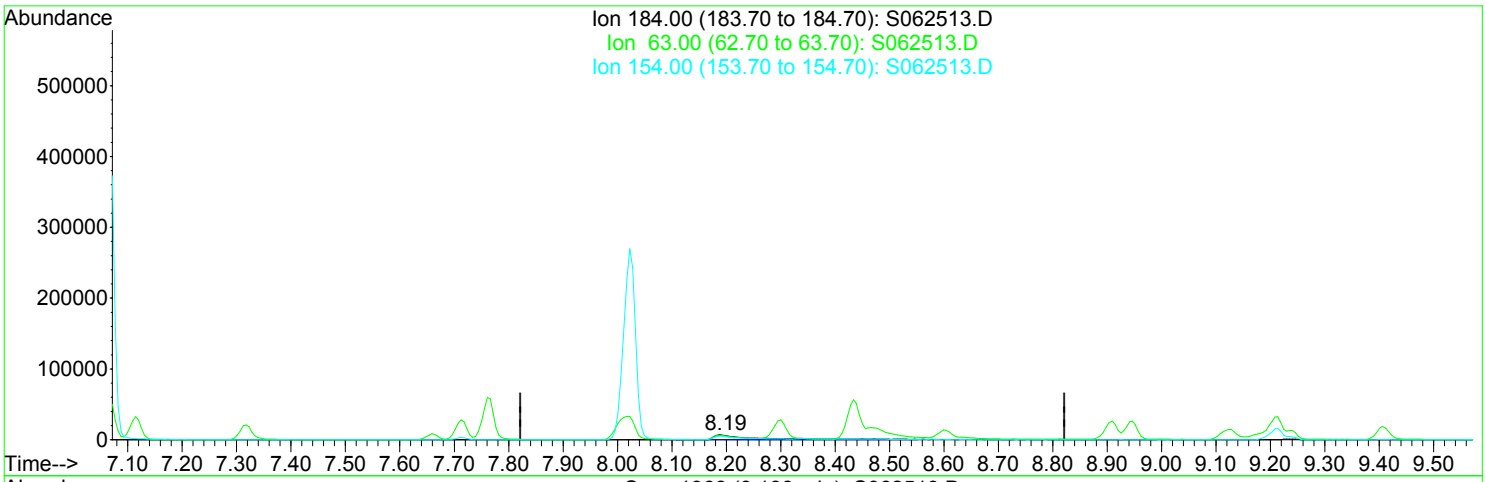
response 624827

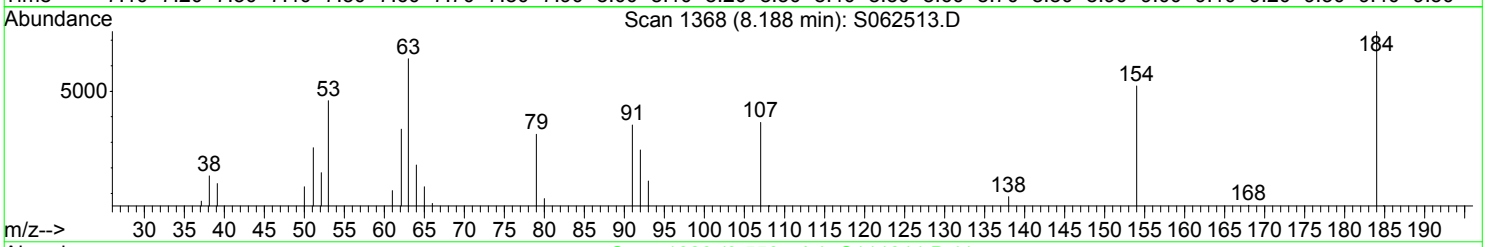
Ion	Exp%	Act%
58.10	100	100
91.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

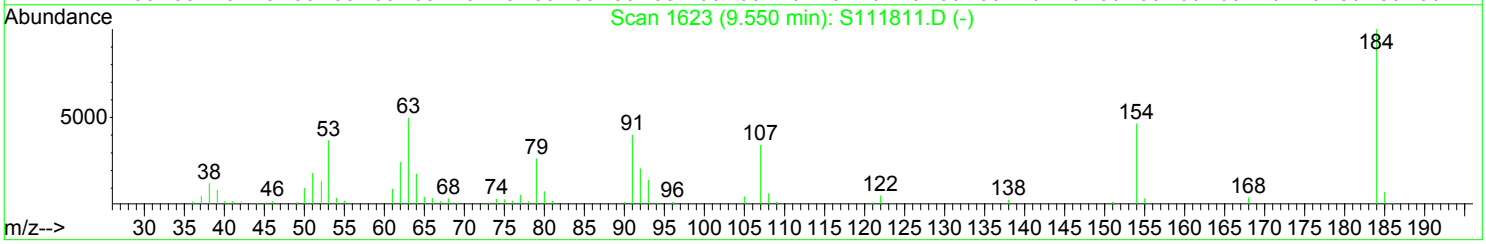
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:59 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration







TIC: S062513.D

(64) 2,4-Dinitrophenol (PC)

8.19min 80.52ng m

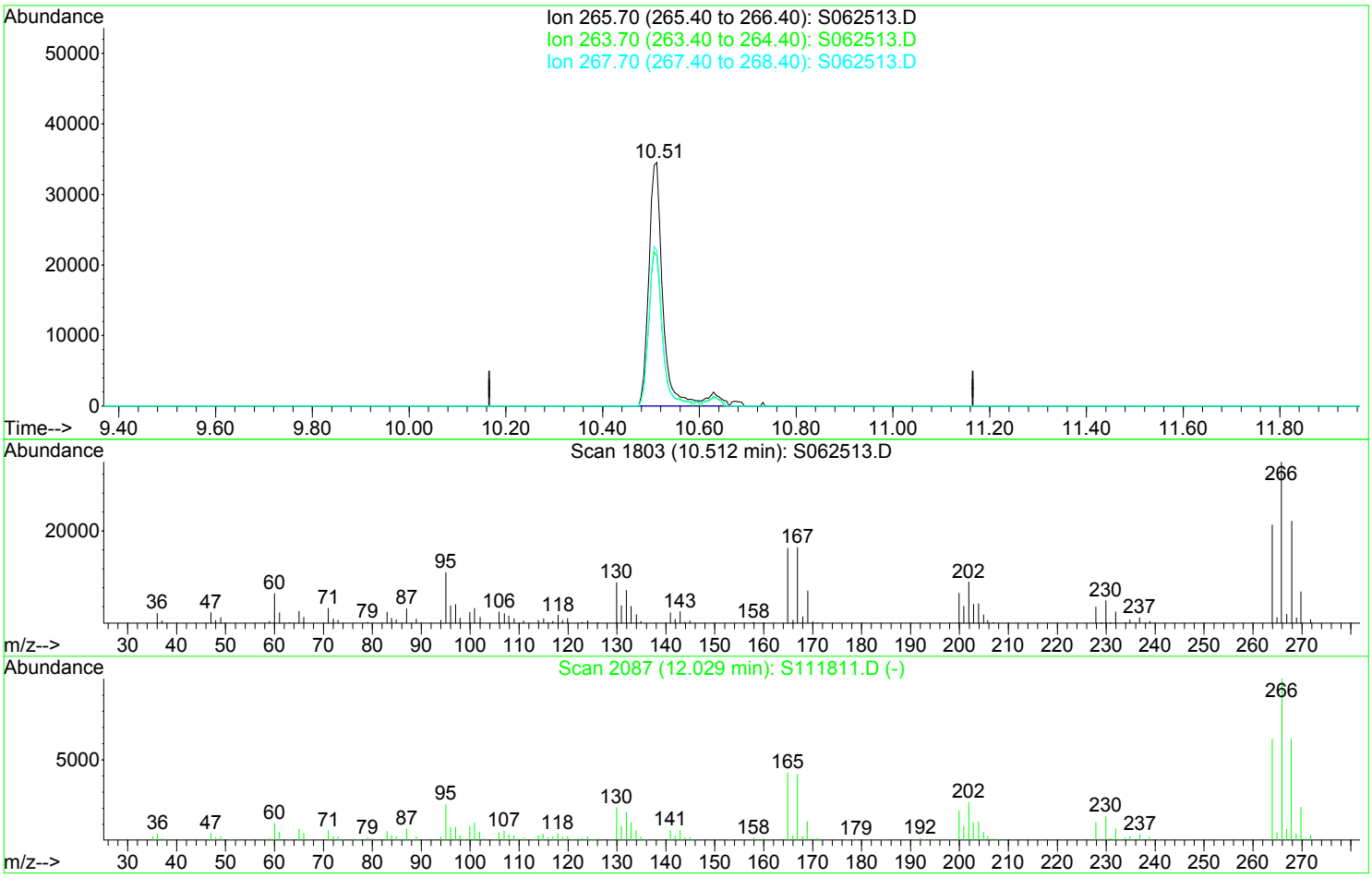
response 42787

Ion	Exp%	Act%
184.00	100	100
63.00	65.30	48.08
154.00	58.30	37.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:59 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(84) Pentachlorophenol (CCC)

10.51min 101.23ng m

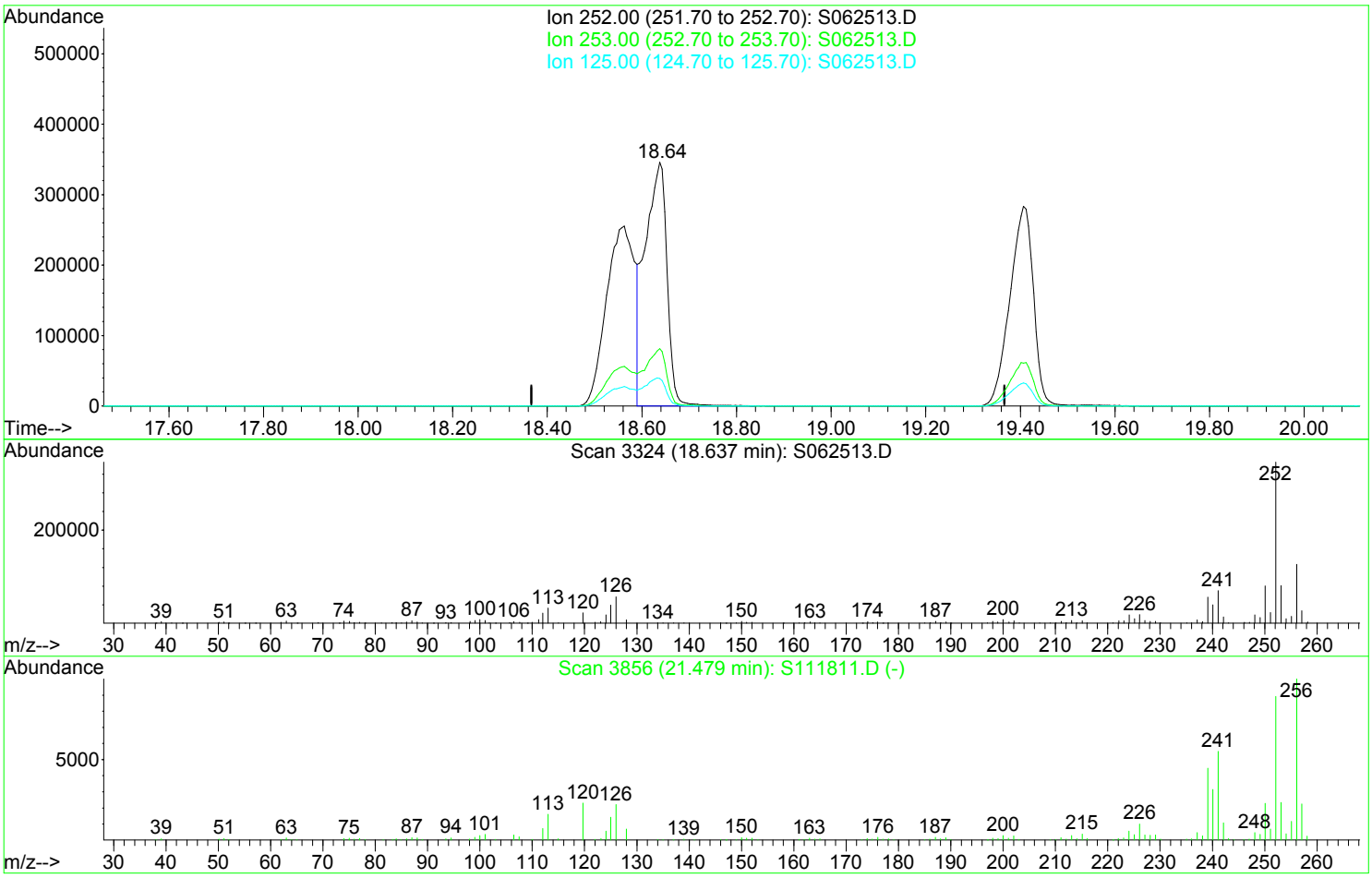
response 73059

Ion	Exp%	Act%
265.70	100	100
263.70	61.70	57.89
267.70	63.20	59.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:00 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(107) Benzo[k]fluoranthene (T)

18.64min 129.01ng m

response 1110842

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	21.10
125.00	12.20	10.34
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.19	152	45476	40.00	ng	-0.09
23) Naphthalene-d8	5.51	136	183538	40.00	ng	-0.11
45) Acenaphthene-d10	7.96	164	114395	40.00	ng	-0.14
73) Phenanthrene-d10	10.66	188	212366	40.00	ng	-0.17
92) Chrysene-d12	16.14	240	231905	40.00	ng	-0.19
105) Perylene-d12	19.53	264	225861	40.00	ng	-0.30
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	110122	86.68	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 86.68%			
9) Phenol-d5	4.02	99	157666	89.27	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 89.27%			
24) Nitrobenzene-d5	4.78	82	95849	51.94	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 103.88%			
50) 2-Fluorobiphenyl	6.93	172	189648	47.57	ng	-0.13
Spiked Amount 50.000	Range 43 - 116		Recovery = 95.14%			
72) 2,4,6-Tribromophenol	9.40	330	60633	105.16	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.16%			
94) 4-Terphenyl-d14	14.03	244	269279	48.22	ng	-0.17
Spiked Amount 50.000	Range 33 - 141		Recovery = 96.44%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D.	d
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

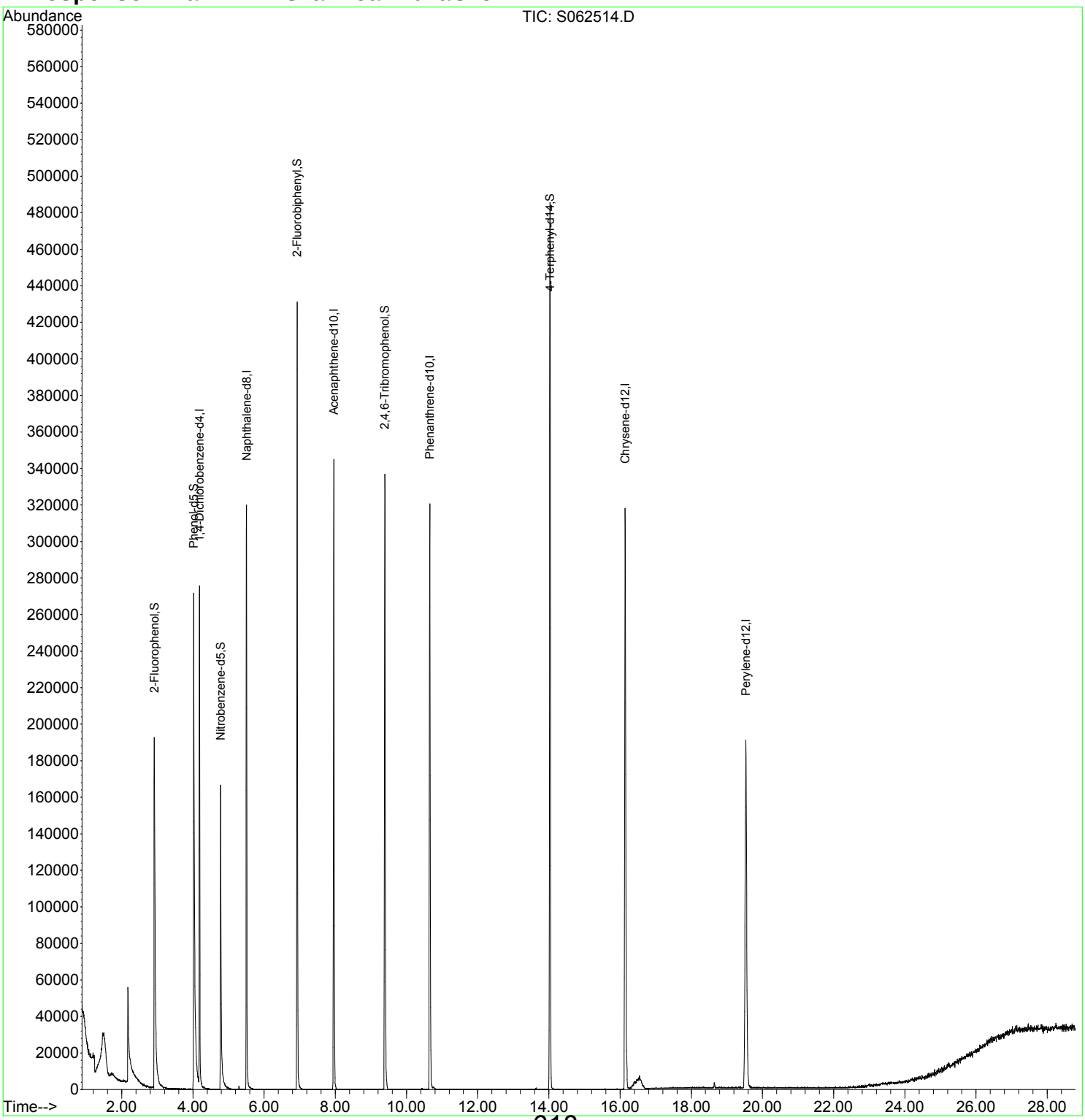
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:04 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	46844	40.00	ng		-0.10
23) Naphthalene-d8	5.49	136	184557	40.00	ng		-0.12
45) Acenaphthene-d10	7.94	164	114158	40.00	ng		-0.16
73) Phenanthrene-d10	10.63	188	206059	40.00	ng		-0.19
92) Chrysene-d12	16.12	240	216391	40.00	ng		-0.21
105) Perylene-d12	19.50	264	211569	40.00	ng		-0.34
System Monitoring Compounds							
5) 2-Fluorophenol	2.91	112	100192	76.56	ng		-0.12
Spiked Amount 100.000	Range 21 - 110		Recovery = 76.56%				
9) Phenol-d5	4.01	99	170537	93.74	ng		-0.11
Spiked Amount 100.000	Range 10 - 110		Recovery = 93.74%				
24) Nitrobenzene-d5	4.77	82	94489	50.92	ng		-0.11
Spiked Amount 50.000	Range 34 - 114		Recovery = 101.84%				
50) 2-Fluorobiphenyl	6.92	172	182396	45.85	ng		-0.14
Spiked Amount 50.000	Range 43 - 116		Recovery = 91.70%				
72) 2,4,6-Tribromophenol	9.37	330	56729	98.59	ng		-0.19
Spiked Amount 100.000	Range 10 - 123		Recovery = 98.59%				
94) 4-Terphenyl-d14	14.01	244	243360	46.71	ng		-0.19
Spiked Amount 50.000	Range 33 - 141		Recovery = 93.42%				
Target Compounds							Qvalue
2) Pyridine	0.00	79	0	N.D.			
3) 2-Picoline	0.00	93	0	N.D.			
4) Methyl methanesulfonate	0.00	80	0	N.D.			
6) Ethyl methanesulfonate	0.00	79	0	N.D.			
7) Benzaldehyde	0.00	105	0	N.D.			
8) Aniline	0.00	66	0	N.D.	d		
10) Phenol	4.02	94	163157	84.61	ng	#	97
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d		
12) 2-Chlorophenol	4.05	128	144167	91.19	ng		94
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.	d		
14) 1,4-Dichlorobenzene	4.19	146	166118	90.35	ng		99
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	d		
16) Benzyl alcohol	0.00	108	0	N.D.			
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.			
18) 2-Methylphenol	0.00	107	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	4.65	70	127571	103.62 ng	96
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	5.45	180	147274	92.26 ng	100
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D.	
41) 4-Chloro-3-methylphenol	6.30	107	140837	97.44 ng	92
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D. d	
44) 1-Methylnaphthalene	0.00	142	0	N.D. d	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.			
60) Dimethyl phthalate	0.00	163	0	N.D.	d		
61) Acenaphthylene	0.00	152	0	N.D.	d		
62) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d		
63) Acenaphthene	8.00	154	307181	92.85	ng		100
64) 2,4-Dinitrophenol	0.00	184	0	N.D.			
65) Dibenzofuran	0.00	168	0	N.D.			
66) 4-Nitrophenol	8.46	65	56226	90.59	ng	#	100
67) 2,4-Dinitrotoluene	8.40	165	99957	86.77	ng		98
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
69) Diethyl phthalate	0.00	149	0	N.D.			
70) Fluorene	0.00	166	0	N.D.			
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.			
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.			
75) Azobenzene	0.00	77	0	N.D.			
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.			
77) Diphenylamine	0.00	170	0	N.D.	d		
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.			
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.			
80) Phenacetin	0.00	108	0	N.D.			
81) Hexachlorobenzene	0.00	284	0	N.D.			
82) Atrazine	0.00	200	0	N.D.	d		
83) 4-Aminobiphenyl	0.00	169	0	N.D.	d		
84) Pentachlorophenol	10.46	266	36356	54.78	ng		99
85) Pentachloronitrobenzene	0.00	237	0	N.D.			
86) Pronamide	0.00	173	0	N.D.			
87) Phenanthrene	0.00	178	0	N.D.			
88) Anthracene	0.00	178	0	N.D.			
89) Carbazole	0.00	167	0	N.D.			
90) Di-n-butyl phthalate	0.00	149	0	N.D.			
91) Fluoranthene	0.00	202	0	N.D.			
93) Pyrene	13.55	202	669178	92.71	ng		99
95) Benzidine	0.00	184	0	N.D.			
96) Dimethylaminoazobenzene	0.00	225	0	N.D.			
97) Butyl benzyl phthalate	0.00	149	0	N.D.			
98) Benz(a)anthracene	0.00	228	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

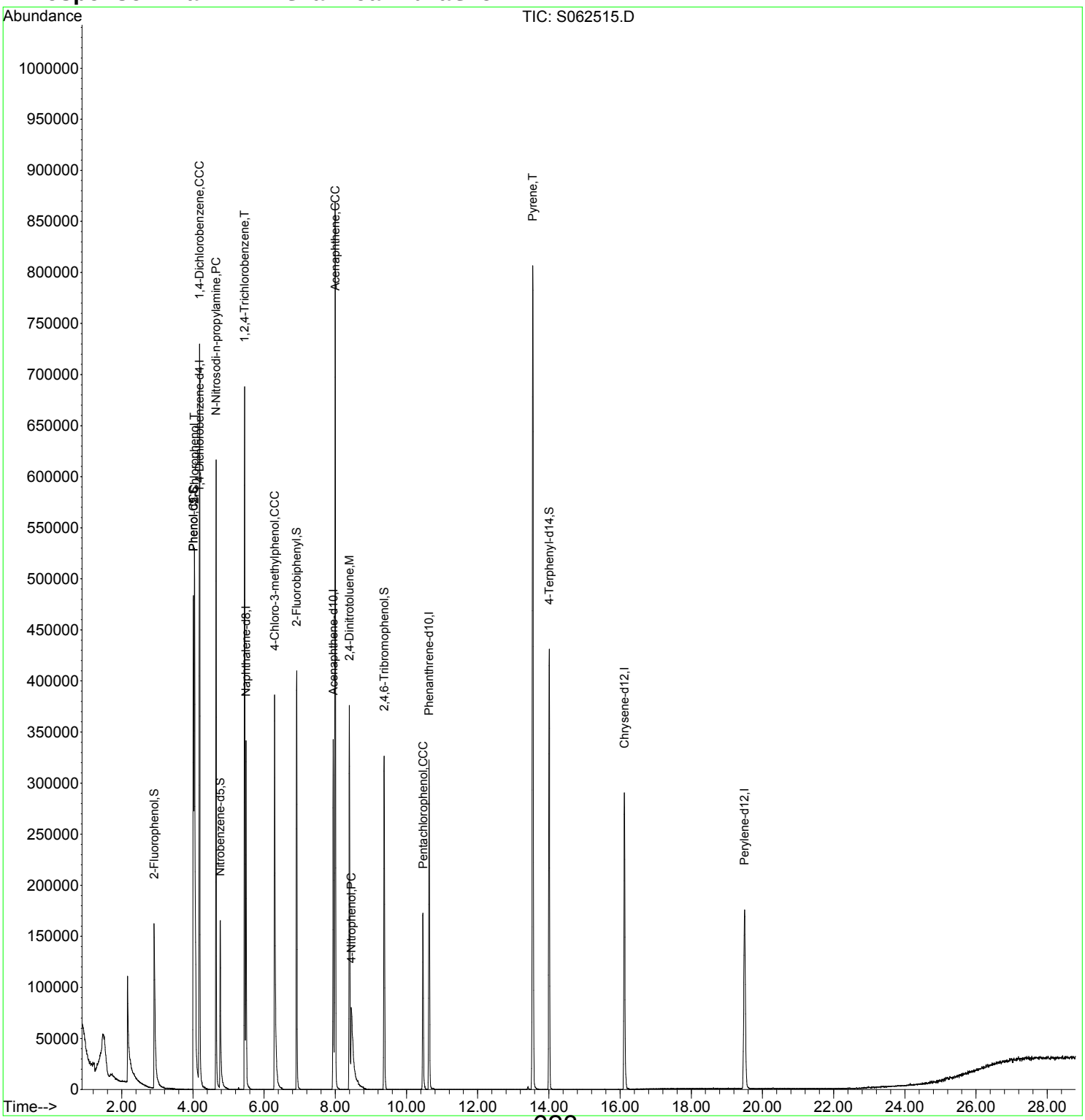
Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:05 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 12:00:00 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.19	152	48056	40.00	ng	-0.09
23) Naphthalene-d8	5.52	136	221872	40.00	ng	-0.10
45) Acenaphthene-d10	7.97	164	114070	40.00	ng	-0.13
73) Phenanthrene-d10	10.65	188	223452	40.00	ng	-0.18
92) Chrysene-d12	16.14	240	238746	40.00	ng	-0.19
105) Perylene-d12	19.53	264	236672	40.00	ng	-0.31
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	81612	60.79	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 60.79%			
9) Phenol-d5	4.02	99	115867	62.08	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 62.08%			
24) Nitrobenzene-d5	4.78	82	92555	41.49	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 82.98%			
50) 2-Fluorobiphenyl	6.95	172	146794	36.93	ng	-0.11
Spiked Amount 50.000	Range 43 - 116		Recovery = 73.86%			
72) 2,4,6-Tribromophenol	9.40	330	44880	78.06	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 78.06%			
94) 4-Terphenyl-d14	14.03	244	212210	36.91	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 73.82%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 12:00:00 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D. d	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D. d	
26)	Nitrobenzene	0.00	77	0	N.D. d	
27)	N-Nitrosopiperidine	0.00	114	0	N.D. d	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D. d	
30)	2,4-Dimethylphenol	0.00	122	0	N.D. d	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D. d	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D. d	
34)	Naphthalene	0.00	128	0	N.D. d	
35)	Benzoic acid	0.00	122	0	N.D. d	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D. d	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D. d	
40)	Caprolactam	0.00	55	0	N.D. d	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D. d	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D. d	
43)	2-Methylnaphthalene	0.00	142	0	N.D. d	
44)	1-Methylnaphthalene	0.00	142	0	N.D. d	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D. d	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D. d	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 12:00:00 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 12:00:00 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

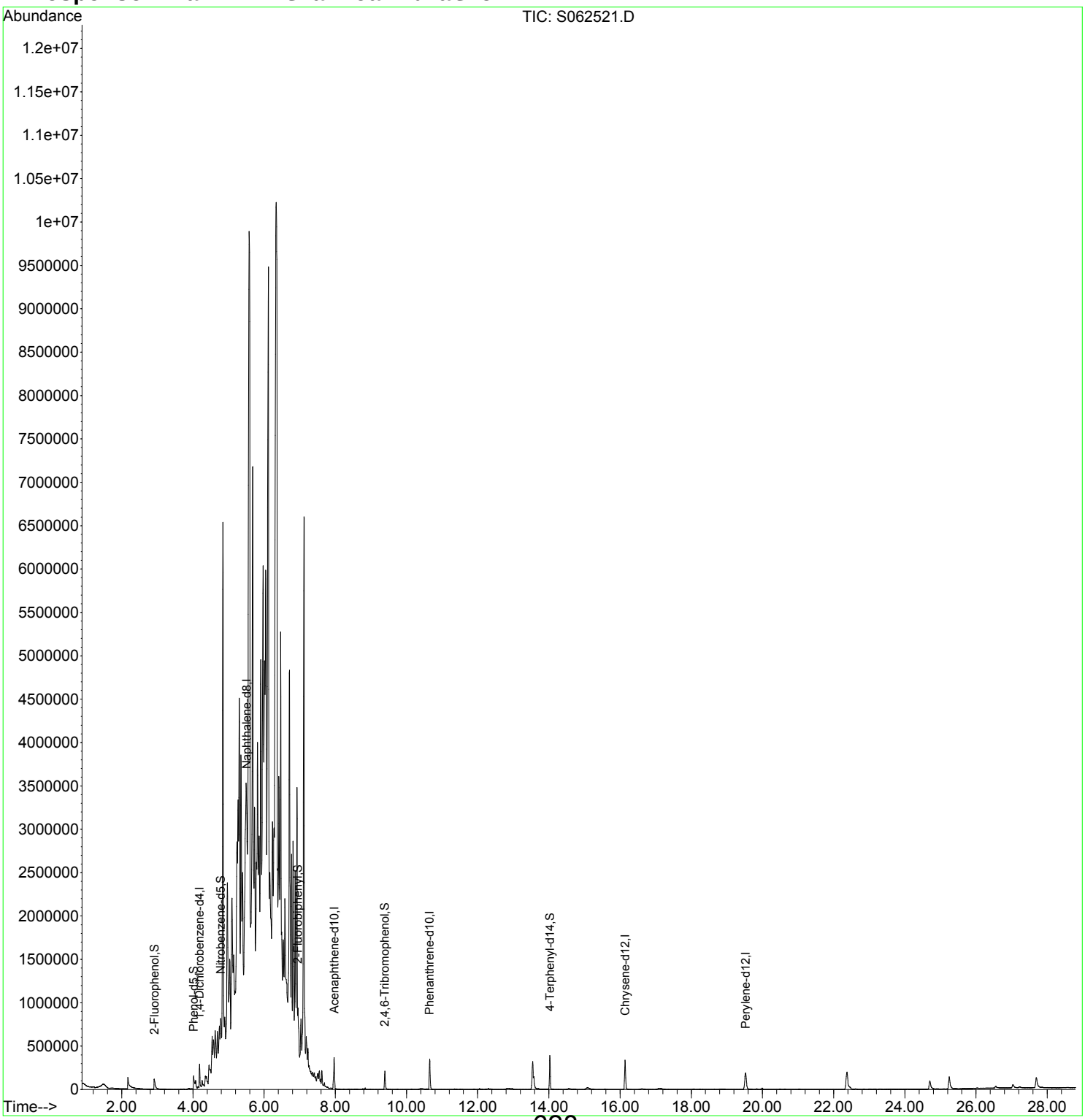
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:15 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

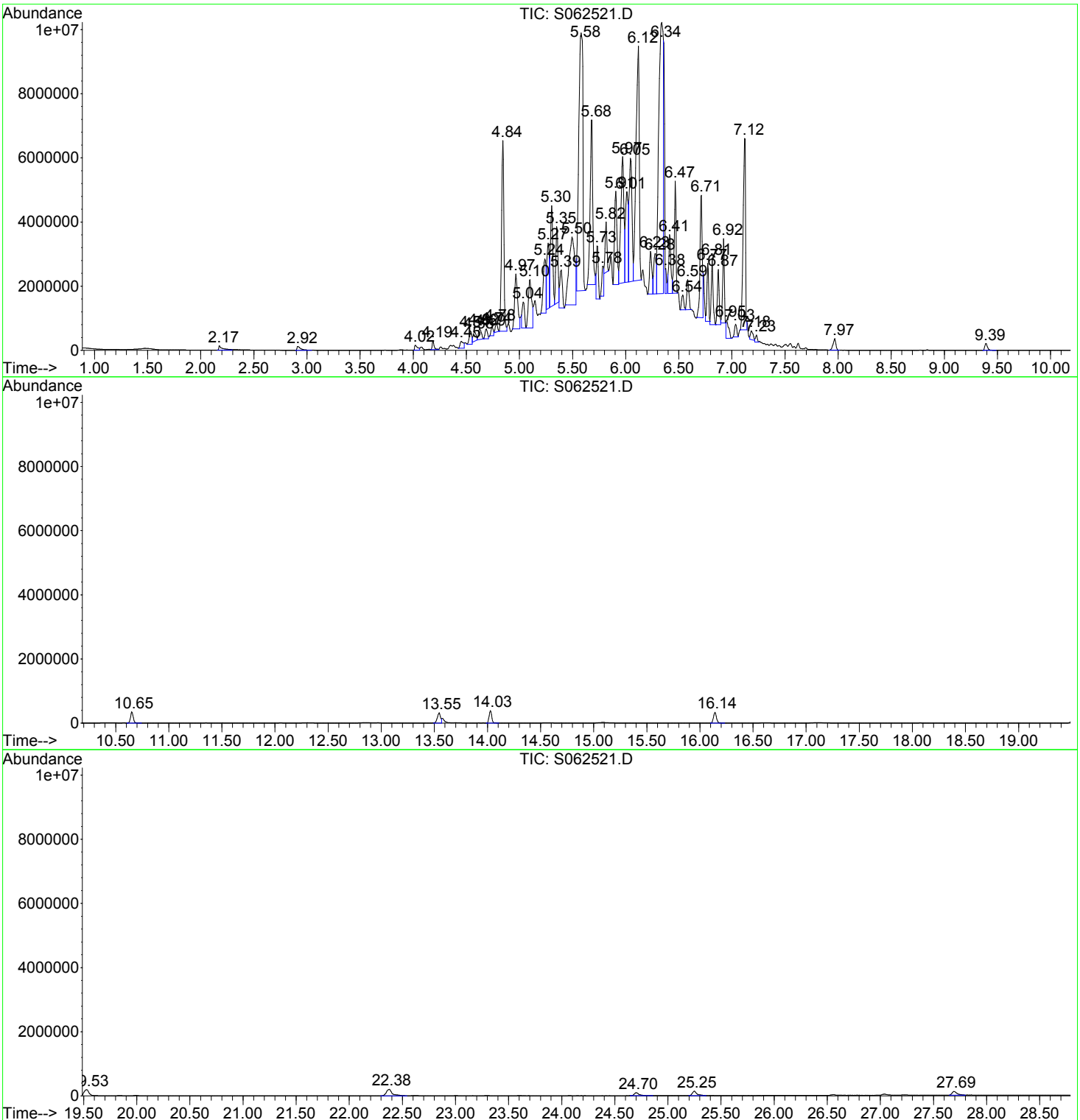
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.172	239	242	265	rBV	133247	354938	1.41%	0.184%
2	2.915	377	381	405	rBV	118436	295024	1.17%	0.153%
3	4.021	585	588	595	rBV	154334	295748	1.17%	0.154%
4	4.186	615	619	629	rBV	272959	343337	1.36%	0.178%
5	4.454	664	669	674	rBV	217381	498638	1.98%	0.259%
6	4.539	679	685	688	rVV3	429958	694597	2.76%	0.361%
7	4.576	688	692	697	rVV3	299542	570894	2.26%	0.297%
8	4.625	697	701	708	rVB5	339075	642179	2.55%	0.334%
9	4.689	708	713	717	rBV3	307185	485083	1.92%	0.252%
10	4.742	719	723	726	rBV3	280145	416481	1.65%	0.216%
11	4.779	727	730	735	rVV6	235753	371226	1.47%	0.193%
12	4.844	735	742	749	rBV	5941719	9104015	36.11%	4.729%
13	4.966	759	765	772	rBV3	1711011	3452099	13.69%	1.793%
14	5.036	775	778	783	rVB2	805820	1204798	4.78%	0.626%
15	5.100	783	790	795	rBV5	1508911	3329178	13.21%	1.729%
16	5.239	809	816	818	rBV4	1695543	3041965	12.07%	1.580%
17	5.271	819	822	824	rVV2	2064101	2862814	11.36%	1.487%
18	5.303	825	828	833	rVV	3161562	4505573	17.87%	2.340%
19	5.351	833	837	841	rVV	2412760	3408966	13.52%	1.771%
20	5.394	841	845	850	rVB2	1180857	1950638	7.74%	1.013%
21	5.495	852	864	871	rBV7	2116573	8358637	33.16%	4.342%
22	5.581	872	880	887	rVB3	8027694	21489101	85.24%	11.162%
23	5.682	891	899	905	rBV	5133534	8586808	34.06%	4.460%
24	5.730	906	908	913	rVB	1657301	1908556	7.57%	0.991%
25	5.784	914	918	920	rBV2	928139	1272193	5.05%	0.661%
26	5.816	920	924	928	rVB2	1532492	1872646	7.43%	0.973%
27	5.907	936	941	946	rBV3	2907356	4797315	19.03%	2.492%

28	5.971	946	953	957	rVV3	3948139	8223746	32.62%	4.272%
29	6.008	957	960	963	rVV2	2820635	4819297	19.12%	2.503%
30	6.046	964	967	972	rVV	3838110	6477866	25.70%	3.365%
31	6.120	972	981	986	rVB3	7286009	15339168	60.85%	7.967%
32	6.233	998	1002	1006	rBV2	1332944	2041824	8.10%	1.061%
33	6.281	1007	1011	1013	rVV3	1257789	2174808	8.63%	1.130%
34	6.339	1013	1022	1025	rVV6	8459683	25208836	100.00%	13.094%
35	6.377	1028	1029	1031	rVV2	773943	548164	2.17%	0.285%
36	6.414	1033	1036	1041	rVV2	1832058	2571463	10.20%	1.336%
37	6.468	1041	1046	1049	rVB	3492627	4044119	16.04%	2.101%
38	6.537	1055	1059	1064	rBV4	464653	689184	2.73%	0.358%
39	6.585	1064	1068	1074	rVB2	932628	1300944	5.16%	0.676%
40	6.713	1084	1092	1095	rBV	3805301	5746873	22.80%	2.985%
41	6.772	1099	1103	1107	rVB	1803721	1977010	7.84%	1.027%
42	6.815	1107	1111	1117	rVB	2064432	2481218	9.84%	1.289%
43	6.874	1117	1122	1126	rBV	1723475	2130781	8.45%	1.107%
44	6.922	1126	1131	1135	rVB	2631412	2828294	11.22%	1.469%
45	6.948	1135	1136	1145	rVB3	566466	917923	3.64%	0.477%
46	7.034	1148	1152	1157	rBV2	390507	569088	2.26%	0.296%
47	7.119	1160	1168	1172	rBV	5963121	9399141	37.29%	4.882%
48	7.184	1177	1180	1186	rVV3	299953	476908	1.89%	0.248%
49	7.232	1186	1189	1193	rVB2	218732	253988	1.01%	0.132%
50	7.969	1318	1327	1334	rVB2	362396	650332	2.58%	0.338%
51	9.390	1588	1593	1610	rBV	212775	381738	1.51%	0.198%
52	10.651	1821	1829	1845	rVB2	349169	615519	2.44%	0.320%
53	13.546	2361	2371	2375	rBV	321487	672663	2.67%	0.349%
54	14.027	2454	2461	2475	rBV	391791	655110	2.60%	0.340%
55	16.142	2849	2857	2873	rBV2	340842	668428	2.65%	0.347%
56	19.529	3476	3491	3507	rBV3	190682	650292	2.58%	0.338%
57	22.377	4009	4024	4054	rBV3	201751	797602	3.16%	0.414%
58	24.701	4449	4459	4487	rBV5	95092	322587	1.28%	0.168%
59	25.251	4552	4562	4581	rBV2	138553	417352	1.66%	0.217%
60	27.692	5011	5019	5038	rBV3	111407	358608	1.42%	0.186%

Sum of corrected areas: 192524321

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40625\S062521.D
Operator : YH
Acquired : 25 Jun 2004 10:46 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0406B33-003B 47086
Misc Info : SAMP 8270_TCL4.2_X
Vial Number: 20
Quant File :B022704.RES (RTE Integrator)



Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	41.35 ng	354938	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	95
2	Methylene Chloride	84	CH2Cl2	000075-09-2	81
3	Methylene Chloride	84	CH2Cl2	000075-09-2	81
4	Methylene Chloride	84	CH2Cl2	000075-09-2	74
5	2-Chloroethanol	80	C2H5ClO	000107-07-3	4

****

Peak Number 2 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	58.09 ng	498638	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	59
5	Cyclooctane, butyl-	168	C12H24	016538-93-5	59

****

Peak Number 3 Bicyclo[2.2.1]heptane, 2-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.54	80.92 ng	694597	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	91
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	76

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 4 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	66.51 ng	570894	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	35
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35
4	3-Trifluoroacetoxy-6-ethyldecane	282	C14H25F3O2	1000215-97-1	35
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	35

****

Peak Number 5 Decane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	74.82 ng	642179	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	90
2	Octane, 2-methyl-	128	C9H20	003221-61-2	59
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5	Eicosane	282	C20H42	000112-95-8	50

****

Peak Number 6 1-Methyl-4-(1-methylethyl)-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.69	56.51 ng	485083	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
2	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	43
3	2-Butenoic acid, 2-cyano-3-methy...	153	C8H11NO2	000759-58-0	38
4	3-Penten-1-ol, 2,2,4-trimethyl-	128	C8H16O	005842-53-5	35
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	35

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 7 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	1060.65 ng	9104020	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	97
2	Undecane	156	C11H24	001120-21-4	96
3	Undecane	156	C11H24	001120-21-4	96
4	Undecane	156	C11H24	001120-21-4	87
5	Undecane	156	C11H24	001120-21-4	81

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Peak Number 8 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	102.83 ng	21489100	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Dodecane	170	C12H26	000112-40-3	95
3	Dodecane	170	C12H26	000112-40-3	94
4	Dodecane	170	C12H26	000112-40-3	94
5	Dodecane	170	C12H26	000112-40-3	90

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Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	41.09 ng	8586810	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
3	Hexatriacontane	507	C36H74	000630-06-8	59
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 10 Cyclopentane, 1-methyl-3-(1... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	22.96 ng	4797320	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	49
2	Heptylcyclohexane	182	C13H26	005617-41-4	46
3	1-Methyl-2-(4-methylpentyl)cyclo...	168	C12H24	1000113-60-1	46
4	(E)-2-Hexenyl tiglate	182	C11H18O2	1000131-83-6	30
5	4-Undecene, 5-methyl-	168	C12H24	020634-43-9	30

****

Peak Number 11 Hexane, 2,3,4-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	39.35 ng	8223750	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
2	Diisoamylene	140	C10H20	054063-09-1	49
3	Decane, 3-bromo-	220	C10H21Br	030571-71-2	47
4	Decane, 5-propyl-	184	C13H28	017312-62-8	46
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	46

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Peak Number 12 Dodecane, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	23.06 ng	4819300	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
2	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	50
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	47
4	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	47
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	46

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 13 Undecane, 2,10-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	31.00 ng	6477870	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	80
2	Decane, 3-bromo-	220	C10H21Br	030571-71-2	59
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	53
4	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47

****

Peak Number 14 Tridecane, 7-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	73.41 ng	15339200	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	64
2	3-Bromooctane	192	C8H17Br	000999-64-4	59
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	50
4	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	50
5	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	47

****

Peak Number 15 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	120.64 ng	25208800	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	96
3	Tridecane	184	C13H28	000629-50-5	94
4	Tridecane	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	90

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 16 Octadecane, 1-chloro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	27.50 ng	5746870	Naphthalene-d8	5.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	46
2	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	46
3	1-Tridecene	182	C13H26	002437-56-1	42
4	1-Cyclohexanol, 1-vinyl-	126	C8H14O	003197-68-0	38
5	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	38

****

Peak Number 17 Tridecane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	121.60 ng	1977010	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	94
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	91
3	Undecane, 3-ethyl-	184	C13H28	017312-58-2	72
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	60

****

Peak Number 18 Tridecane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	152.61 ng	2481220	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	96
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	95
3	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	87
4	Heptadecane	240	C17H36	000629-78-7	80
5	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	80

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
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Peak Number 19 Tridecane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	131.06 ng	2130780	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	90
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	64
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
4	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	64
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	62

****

Peak Number 20 Cyclohexane, 1,1'-methylene... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	35.00 ng	569088	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	76
2	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	52
3	Octane, 2-cyclohexyl-	196	C14H28	002883-05-8	49
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	47
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	46

****

Peak Number 21 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	578.11 ng	9399140	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	98
3	Tetradecane	198	C14H30	000629-59-4	96
4	Tetradecane	198	C14H30	000629-59-4	96
5	Tetradecane	198	C14H30	000629-59-4	93

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 22 1-Undecene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	29.33 ng	476908	Acenaphthene-d10	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	80
2	Nonadecane	268	C19H40	000629-92-5	72
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
4	Dotriacontane	451	C32H66	000544-85-4	72
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64

****

Peak Number 23 9-Hexadecenoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	40.25 ng	672663	Chrysene-d12	16.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Hexadecenoic acid	254	C16H30O2	002091-29-4	90
2	Oleic Acid	282	C18H34O2	000112-80-1	87
3	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	74
4	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	68
5	E-11-Hexadecenoic acid, ethyl ester	282	C18H34O2	1000245-71-9	64

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Peak Number 24 Oleic acid, eicosyl ester Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.38	49.06 ng	797602	Perylene-d12	19.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic acid, eicosyl ester	563	C38H74O2	022393-88-0	91
2	9-Octadecenoic acid (Z)-, octade...	535	C36H70O2	017673-49-3	91
3	Decyl oleate	422	C28H54O2	003687-46-5	90
4	9-Hexadecenoic acid, octadecyl e...	507	C34H66O2	022393-84-6	83
5	1-Docosene	308	C22H44	001599-67-3	70

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40625\S062521.D Vial: 20
Acq On : 25 Jun 2004 10:46 pm Operator: YH
Sample : 0406B33-003B 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

Peak Number 25 9-Octadecenoic acid (Z)-, 2... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.25	25.67 ng	417352	Perylene-d12	19.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, 2,3-di...	356	C21H40O4	000111-03-5	91
2	Oleic acid, 3-hydroxypropyl ester	340	C21H40O3	000821-17-0	60
3	9-Octadecenoic acid (Z)-, 2-hydr...	356	C21H40O4	003443-84-3	45
4	9-Octadecenal, (Z)-	266	C18H34O	002423-10-1	25
5	1,22-Docosanediol	342	C22H46O2	022513-81-1	25

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 10:46 pm
Data File: D:\MSDCHEM\DATA\S40625\S062521.D
Name: 0406B33-003B 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	41.4	ng	354938	1	4.19	343337	40.0
Cyclohexane, 1-ethyl-2-propyl	4.45	58.1	ng	498638	1	4.19	343337	40.0
Bicyclo[2.2.1]heptane, 2-methyl-, exo-	4.54	80.9	ng	694597	1	4.19	343337	40.0
Cyclohexane, 1-ethyl-2-propyl	4.58	66.5	ng	570894	1	4.19	343337	40.0
Decane, 3-methyl	4.62	74.8	ng	642179	1	4.19	343337	40.0
1-Methyl-4-(1-methylethyl) -cychlohexane	4.69	56.5	ng	485083	1	4.19	343337	40.0
Undecane	4.84	1060.7	ng	9104020	1	4.19	343337	40.0
Dodecane	5.58	102.8	ng	21489100	2	5.52	8358640	40.0
Undecane, 2,6-dimethyl	5.68	41.1	ng	8586810	2	5.52	8358640	40.0
Cyclopentane,1-methyl-3-(1-meth...	5.91	23.0	ng	4797320	2	5.52	8358640	40.0
Hexane, 2,3,4-trimethyl-	5.97	39.4	ng	8223750	2	5.52	8358640	40.0
Dodecane, 4-methyl-	6.01	23.1	ng	4819300	2	5.52	8358640	40.0
Undecane, 2,10 -dimethyl-	6.05	31.0	ng	6477870	2	5.52	8358640	40.0
Tridecane, 7-methyl-	6.12	73.4	ng	15339200	2	5.52	8358640	40.0
Tridecane	6.34	120.6	ng	25208800	2	5.52	8358640	40.0
Octadecane, 1-chloro-	6.71	27.5	ng	5746870	2	5.52	8358640	40.0
Tridecane, 4-methyl-	6.77	121.6	ng	1977010	3	7.97	650332	40.0
Tridecane, 2-methyl-	6.81	152.6	ng	2481220	3	7.97	650332	40.0
Tridecane, 3-methyl-	6.87	131.1	ng	2130780	3	7.97	650332	40.0
Cyclohexane, 1,1' -methylenebis-	7.03	35.0	ng	569088	3	7.97	650332	40.0
Tetradecane	7.12	578.1	ng	9399140	3	7.97	650332	40.0
1-Undecene, 4-methyl-	7.18	29.3	ng	476908	3	7.97	650332	40.0
9-Hexadecenoic acid	13.55	40.3	ng	672663	5	16.14	668428	40.0
Oleic acid, eicosyl ester	22.38	49.1	ng	797602	6	19.53	650292	40.0
9-Octadecenoic ac...	25.25	25.7	ng	417352	6	19.53	650292	40.0

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 3:00:00 P**
Prep End Date: **6/24/2004 5:00:00 P**

Prep Batch **47050** Prep Code: **3050B_X** Technician: **Ita Kagan**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003B	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406B33-003BDL	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406B33-003BDUP	Waste		1.2716	0	0	50	39.321	6/24/2004	6/24/2004
0406B33-003BMS	Waste		1.2953	0	0	50	38.601	6/24/2004	6/24/2004
0406B33-003BPDS	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406C14-001C	Waste		5.029	0	0	50	9.942	6/24/2004	6/24/2004
0406C14-002C	Waste		5.8631	0	0	50	8.528	6/24/2004	6/24/2004
0406C14-003C	Waste		4.8773	0	0	50	10.252	6/24/2004	6/24/2004
LCS-47050			1	0	0	50	50.000	6/24/2004	6/24/2004
MB-47050			1	0	0	50	50.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **MB-47050**	SampType: **MBLK**	TestCode: **6010B_X**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008956**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	50									
Antimony	BRL	5.0									
Arsenic	BRL	5.0									
Barium	BRL	5.0									
Beryllium	BRL	2.5									
Cadmium	BRL	2.5									
Calcium	BRL	50									
Chromium	BRL	2.5									
Cobalt	BRL	2.5									
Copper	BRL	2.5									
Iron	BRL	50									
Lead	BRL	5.0									
Magnesium	BRL	50									
Manganese	BRL	5.0									
Nickel	BRL	5.0									
Potassium	BRL	100									
Selenium	BRL	5.0									
Silver	BRL	2.5									
Sodium	BRL	100									
Thallium	BRL	5.0									
Vanadium	BRL	5.0									
Zinc	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **LCS-47050** SampType: **LCS** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	493.6	50	500	0	98.7	85	115	0	0		
Antimony	50.66	5.0	50	0	101	85	115	0	0		
Arsenic	50.51	5.0	50	0	101	85	115	0	0		
Barium	50.37	5.0	50	0	101	85	115	0	0		
Beryllium	51.17	2.5	50	0	102	85	115	0	0		
Cadmium	52.06	2.5	50	0	104	85	115	0	0		
Calcium	510.8	50	500	0	102	85	115	0	0		
Chromium	51.84	2.5	50	0	104	85	115	0	0		
Cobalt	50.92	2.5	50	0	102	85	115	0	0		
Copper	51.54	2.5	50	0	103	85	115	0	0		
Iron	523.1	50	500	0	105	85	115	0	0		
Lead	50.13	5.0	50	0	100	85	115	0	0		
Magnesium	514.1	50	500	0	103	85	115	0	0		
Manganese	51.21	5.0	50	0	102	85	115	0	0		
Nickel	51.18	5.0	50	0	102	85	115	0	0		
Potassium	518.8	100	500	0	104	85	115	0	0		
Selenium	49.74	5.0	50	0	99.5	85	115	0	0		
Silver	4.992	2.5	5	0	99.8	85	115	0	0		
Sodium	564.1	100	500	0	113	85	115	0	0		
Thallium	52.33	5.0	50	0	105	85	115	0	0		
Vanadium	53.27	5.0	50	0	107	85	115	0	0		
Zinc	51.88	5.0	50	0	104	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BMS** SampType: **MS** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: **JW-WA-03** Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2629	39	386	1424	312	75	125	0	0		S
Antimony	37.05	3.9	38.6	0	96	75	125	0	0		
Arsenic	38.83	3.9	38.6	0	101	75	125	0	0		
Barium	66.83	3.9	38.6	22.13	116	75	125	0	0		
Beryllium	37.72	1.9	38.6	0	97.7	75	125	0	0		
Cadmium	36.38	1.9	38.6	0	94.2	75	125	0	0		
Calcium	15730	39	386	2712	3370	75	125	0	0		S
Chromium	42.1	1.9	38.6	10.19	82.7	75	125	0	0		
Cobalt	35.51	1.9	38.6	0	92	75	125	0	0		
Copper	88.32	1.9	38.6	13.11	195	75	125	0	0		S
Iron	1941	39	386	865.7	279	75	125	0	0		S
Lead	62.85	3.9	38.6	28.15	89.9	75	125	0	0		
Magnesium	1108	39	386	355.3	195	75	125	0	0		S
Manganese	92.04	3.9	38.6	97.22	-13.4	75	125	0	0		S
Nickel	46.71	3.9	38.6	12.48	88.7	75	125	0	0		
Potassium	795.4	77	386	226.5	147	75	125	0	0		S
Selenium	35.03	3.9	38.6	0	90.8	75	125	0	0		
Silver	3.735	1.9	3.86	0	96.8	75	125	0	0		
Sodium	824.2	77	386	362.9	119	75	125	0	0		
Thallium	37.21	3.9	38.6	0	96.4	75	125	0	0		
Vanadium	45.3	3.9	38.6	7.786	97.2	75	125	0	0		
Zinc	209.8	3.9	38.6	83.7	327	75	125	0	0		S

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID	**0406B33-003BDUP**	SampType:	**DUP**	TestCode:	**6010B_X**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52580**
Client ID:	**JW-WA-03**	Batch ID:	**47050**	TestNo:	**SW6010B**			Analysis Date:	**6/25/2004**	SeqNo:	**1008958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1468	39	0	0	0	0	0	1424	3.08	20	
Antimony	BRL	3.9	0	0	0	0	0	0	0	20	
Arsenic	BRL	3.9	0	0	0	0	0	0	0	20	
Barium	18.13	3.9	0	0	0	0	0	22.13	19.9	20	
Beryllium	BRL	2.0	0	0	0	0	0	0	0	20	
Cadmium	BRL	2.0	0	0	0	0	0	0	0	20	
Calcium	2168	39	0	0	0	0	0	2712	22.3	20	R
Chromium	4.097	2.0	0	0	0	0	0	10.19	85.3	20	R
Cobalt	BRL	2.0	0	0	0	0	0	0	0	20	
Copper	10.45	2.0	0	0	0	0	0	13.11	22.6	20	R
Iron	685.8	39	0	0	0	0	0	865.7	23.2	20	R
Lead	24.55	3.9	0	0	0	0	0	28.15	13.7	20	
Magnesium	251.4	39	0	0	0	0	0	355.3	34.2	20	R
Manganese	24.72	3.9	0	0	0	0	0	97.22	119	20	R
Nickel	9.106	3.9	0	0	0	0	0	12.48	31.3	20	R
Potassium	182.6	79	0	0	0	0	0	226.5	21.4	20	R
Selenium	BRL	3.9	0	0	0	0	0	0	0	20	
Silver	BRL	2.0	0	0	0	0	0	0	0	20	
Sodium	338.1	79	0	0	0	0	0	362.9	7.09	20	
Thallium	BRL	3.9	0	0	0	0	0	0	0	20	
Vanadium	6.621	3.9	0	0	0	0	0	7.786	16.2	20	
Zinc	69.32	3.9	0	0	0	0	0	83.7	18.8	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID	**0406B33-003BDL**	SampType:	**DL**	TestCode:	**6010B_X**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52580**
Client ID:	**JW-WA-03**	Batch ID:	**47050**	TestNo:	**SW6010B**			Analysis Date:	**6/25/2004**	SeqNo:	**1008963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1488	190	0	0	0	0	0	1424	4.40	10	
Antimony	BRL	19	0	0	0	0	0	0	0	10	
Arsenic	BRL	19	0	0	0	0	0	0	0	10	
Barium	23.04	19	0	0	0	0	0	22.13	4.06	10	
Beryllium	BRL	9.7	0	0	0	0	0	0	0	10	
Cadmium	BRL	9.7	0	0	0	0	0	0	0	10	
Calcium	2883	190	0	0	0	0	0	2712	6.10	10	
Chromium	10.5	9.7	0	0	0	0	0	10.19	3.04	10	
Cobalt	BRL	9.7	0	0	0	0	0	0	0	10	
Copper	13.33	9.7	0	0	0	0	0	13.11	1.65	10	
Iron	895.8	190	0	0	0	0	0	865.7	3.42	10	
Lead	29.35	19	0	0	0	0	0	28.15	4.16	10	
Magnesium	380	190	0	0	0	0	0	355.3	6.74	10	
Manganese	101.6	19	0	0	0	0	0	97.22	4.39	10	
Nickel	BRL	19	0	0	0	0	0	12.48	0	10	
Potassium	BRL	390	0	0	0	0	0	226.5	0	10	
Selenium	BRL	19	0	0	0	0	0	0	0	10	
Silver	BRL	9.7	0	0	0	0	0	0	0	10	
Sodium	467.3	390	0	0	0	0	0	362.9	25.1	10	R
Thallium	BRL	19	0	0	0	0	0	0	0	10	
Vanadium	BRL	19	0	0	0	0	0	7.786	0	10	
Zinc	89.46	19	0	0	0	0	0	83.7	6.65	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BPDS** SampType: **PDS** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: **JW-WA-03** Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5132	78	3878	1424	95.6	75	125	0	0		
Antimony	377.2	7.8	387.8	0	97.2	75	125	0	0		
Arsenic	368.5	7.8	387.8	0	95	75	125	0	0		
Barium	369.9	7.8	387.8	22.13	89.7	75	125	0	0		
Beryllium	355.8	3.9	387.8	0	91.7	75	125	0	0		
Cadmium	356.2	3.9	387.8	0	91.8	75	125	0	0		
Calcium	6465	78	3878	2712	96.8	75	125	0	0		
Chromium	369.9	3.9	387.8	10.19	92.8	75	125	0	0		
Cobalt	353.9	3.9	387.8	0	91.2	75	125	0	0		
Copper	378	3.9	387.8	13.11	94.1	75	125	0	0		
Iron	4579	78	3878	865.7	95.7	75	125	0	0		
Lead	381.9	7.8	387.8	28.15	91.2	75	125	0	0		
Magnesium	3998	78	3878	355.3	93.9	75	125	0	0		
Manganese	470.6	7.8	387.8	97.22	96.3	75	125	0	0		
Nickel	364.7	7.8	387.8	12.48	90.8	75	125	0	0		
Potassium	4457	160	3878	226.5	109	75	125	0	0		E
Selenium	369.2	7.8	387.8	0	95.2	75	125	0	0		
Silver	37.94	3.9	38.78	0	97.8	75	125	0	0		
Sodium	4925	160	3878	362.9	118	75	125	0	0		
Thallium	371.1	7.8	387.8	0	95.7	75	125	0	0		
Vanadium	375.1	7.8	387.8	7.786	94.7	75	125	0	0		
Zinc	447.7	7.8	387.8	83.7	93.8	75	125	0	0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- N Analyte not NELAC certified
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICB**	SampType: **ICB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Sample ID: **ICV**	SampType: **ICV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.998	0.200	5	0	100	90	110	0	0		
Antimony	0.5021	0.0200	0.5	0	100	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICV**	SampType: **ICV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4971	0.0500	0.5	0	99.4	90	110	0	0		
Barium	0.5057	0.0200	0.5	0	101	90	110	0	0		
Beryllium	0.5026	0.0100	0.5	0	101	90	110	0	0		
Cadmium	0.5032	0.00500	0.5	0	101	90	110	0	0		
Calcium	5.04	0.100	5	0	101	90	110	0	0		
Chromium	0.5028	0.0100	0.5	0	101	90	110	0	0		
Cobalt	0.5032	0.0200	0.5	0	101	90	110	0	0		
Copper	0.5062	0.0100	0.5	0	101	90	110	0	0		
Iron	5.03	0.100	5	0	101	90	110	0	0		
Lead	0.4999	0.0100	0.5	0	100	90	110	0	0		
Magnesium	5.032	0.100	5	0	101	90	110	0	0		
Manganese	0.5041	0.00500	0.5	0	101	90	110	0	0		
Nickel	0.5043	0.0200	0.5	0	101	90	110	0	0		
Potassium	4.788	0.500	5	0	95.8	90	110	0	0		
Selenium	0.5074	0.0200	0.5	0	101	90	110	0	0		
Silver	0.04968	0.0100	0.05	0	99.4	90	110	0	0		
Sodium	4.941	1.00	5	0	98.8	90	110	0	0		
Thallium	0.5094	0.0200	0.5	0	102	90	110	0	0		
Vanadium	0.5013	0.0100	0.5	0	100	90	110	0	0		
Zinc	0.5026	0.0200	0.5	0	101	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCV1**	SampType: **CCV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10.14	0.200	10	0	101	90	110	0	0		
Antimony	1.016	0.0200	1	0	102	90	110	0	0		
Arsenic	0.9943	0.0500	1	0	99.4	90	110	0	0		
Barium	0.9966	0.0200	1	0	99.7	90	110	0	0		
Beryllium	1.001	0.0100	1	0	100	90	110	0	0		
Cadmium	1.002	0.00500	1	0	100	90	110	0	0		
Calcium	10.09	0.100	10	0	101	90	110	0	0		
Chromium	0.999	0.0100	1	0	99.9	90	110	0	0		
Cobalt	0.9945	0.0200	1	0	99.5	90	110	0	0		
Copper	1	0.0100	1	0	100	90	110	0	0		
Iron	10.11	0.100	10	0	101	90	110	0	0		
Lead	1.003	0.0100	1	0	100	90	110	0	0		
Magnesium	10.08	0.100	10	0	101	90	110	0	0		
Manganese	0.9966	0.00500	1	0	99.7	90	110	0	0		
Nickel	0.9959	0.0200	1	0	99.6	90	110	0	0		
Potassium	10.51	0.500	10	0	105	90	110	0	0		
Selenium	1.022	0.0200	1	0	102	90	110	0	0		
Silver	0.1028	0.0100	0.1	0	103	90	110	0	0		
Sodium	10.71	1.00	10	0	107	90	110	0	0		
Thallium	1.023	0.0200	1	0	102	90	110	0	0		
Vanadium	1.006	0.0100	1	0	101	90	110	0	0		
Zinc	1.012	0.0200	1	0	101	90	110	0	0		

Sample ID: **CCV**	SampType: **CCV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10.09	0.200	10	0	101	90	110	0	0		
Antimony	1.024	0.0200	1	0	102	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCV** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.008	0.0500	1	0	101	90	110	0	0		
Barium	1.01	0.0200	1	0	101	90	110	0	0		
Beryllium	1.01	0.0100	1	0	101	90	110	0	0		
Cadmium	1.016	0.00500	1	0	102	90	110	0	0		
Calcium	10.07	0.100	10	0	101	90	110	0	0		
Chromium	1.008	0.0100	1	0	101	90	110	0	0		
Cobalt	1.005	0.0200	1	0	101	90	110	0	0		
Copper	1.012	0.0100	1	0	101	90	110	0	0		
Iron	10.17	0.100	10	0	102	90	110	0	0		
Lead	1.004	0.0100	1	0	100	90	110	0	0		
Magnesium	10.09	0.100	10	0	101	90	110	0	0		
Manganese	1.005	0.00500	1	0	101	90	110	0	0		
Nickel	1.007	0.0200	1	0	101	90	110	0	0		
Potassium	10.53	0.500	10	0	105	90	110	0	0		
Selenium	1.022	0.0200	1	0	102	90	110	0	0		
Silver	0.1032	0.0100	0.1	0	103	90	110	0	0		
Sodium	10.52	1.00	10	0	105	90	110	0	0		
Thallium	1.038	0.0200	1	0	104	90	110	0	0		
Vanadium	1.017	0.0100	1	0	102	90	110	0	0		
Zinc	1.023	0.0200	1	0	102	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCB1**	SampType: **CCB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Sample ID: **CCB**	SampType: **CCB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCB**	SampType: **CCB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	255.5	0.200	250	0	102	80	120	0	0		
Antimony	BRL	0.0200	0	0	0	80	120	0	0		
Arsenic	BRL	0.0500	0	0	0	80	120	0	0		
Barium	BRL	0.0200	0	0	0	80	120	0	0		
Beryllium	BRL	0.0100	0	0	0	80	120	0	0		
Cadmium	BRL	0.00500	0	0	0	80	120	0	0		
Calcium	215.8	0.100	250	0	86.3	80	120	0	0		
Chromium	BRL	0.0100	0	0	0	80	120	0	0		
Cobalt	BRL	0.0200	0	0	0	80	120	0	0		
Copper	BRL	0.0100	0	0	0	80	120	0	0		
Iron	91.81	0.100	100	0	91.8	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	237.1	0.100	250	0	94.8	80	120	0	0		
Manganese	BRL	0.00500	0	0	0	80	120	0	0		
Nickel	BRL	0.0200	0	0	0	80	120	0	0		
Potassium	BRL	0.500	0	0	0	80	120	0	0		
Selenium	BRL	0.0200	0	0	0	80	120	0	0		
Silver	BRL	0.0100	0	0	0	80	120	0	0		
Sodium	BRL	1.00	0	0	0	80	120	0	0		
Thallium	BRL	0.0200	0	0	0	80	120	0	0		
Vanadium	BRL	0.0100	0	0	0	80	120	0	0		
Zinc	BRL	0.0200	0	0	0	80	120	0	0		

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	256.9	0.200	250	0	103	80	120	0	0		
Antimony	BRL	0.0200	0	0	0	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	80	120	0	0		
Barium	BRL	0.0200	0	0	0	80	120	0	0		
Beryllium	BRL	0.0100	0	0	0	80	120	0	0		
Cadmium	BRL	0.00500	0	0	0	80	120	0	0		
Calcium	217.4	0.100	250	0	87	80	120	0	0		
Chromium	BRL	0.0100	0	0	0	80	120	0	0		
Cobalt	BRL	0.0200	0	0	0	80	120	0	0		
Copper	BRL	0.0100	0	0	0	80	120	0	0		
Iron	93.19	0.100	100	0	93.2	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	240.5	0.100	250	0	96.2	80	120	0	0		
Manganese	0.00546	0.00500	0	0	0	80	120	0	0		
Nickel	BRL	0.0200	0	0	0	80	120	0	0		
Potassium	BRL	0.500	0	0	0	80	120	0	0		
Selenium	BRL	0.0200	0	0	0	80	120	0	0		
Silver	BRL	0.0100	0	0	0	80	120	0	0		
Sodium	BRL	1.00	0	0	0	80	120	0	0		
Thallium	BRL	0.0200	0	0	0	80	120	0	0		
Vanadium	BRL	0.0100	0	0	0	80	120	0	0		
Zinc	BRL	0.0200	0	0	0	80	120	0	0		

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	260.6	0.200	255	0	102	80	120	0	0		
Antimony	0.4802	0.0200	0.5	0	96	80	120	0	0		
Arsenic	0.4851	0.0500	0.5	0	97	80	120	0	0		
Barium	0.4682	0.0200	0.5	0	93.6	80	120	0	0		
Beryllium	0.4843	0.0100	0.5	0	96.9	80	120	0	0		
Cadmium	0.4633	0.00500	0.5	0	92.7	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	219.3	0.100	255	0	86	80	120	0	0		
Chromium	0.4643	0.0100	0.5	0	92.9	80	120	0	0		
Cobalt	0.4551	0.0200	0.5	0	91	80	120	0	0		
Copper	0.4916	0.0100	0.5	0	98.3	80	120	0	0		
Iron	96.9	0.100	105	0	92.3	80	120	0	0		
Lead	0.4534	0.0100	0.5	0	90.7	80	120	0	0		
Magnesium	241.6	0.100	255	0	94.7	80	120	0	0		
Manganese	0.4711	0.00500	0.5	0	94.2	80	120	0	0		
Nickel	0.4516	0.0200	0.5	0	90.3	80	120	0	0		
Potassium	6.648	0.500	5	0	133	80	120	0	0		S
Selenium	0.4852	0.0200	0.5	0	97	80	120	0	0		
Silver	0.04966	0.0100	0.05	0	99.3	80	120	0	0		
Sodium	5.192	1.00	5	0	104	80	120	0	0		
Thallium	0.4867	0.0200	0.5	0	97.3	80	120	0	0		
Vanadium	0.4746	0.0100	0.5	0	94.9	80	120	0	0		
Zinc	0.4704	0.0200	0.5	0	94.1	80	120	0	0		

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	258.7	0.200	255	0	101	80	120	0	0		
Antimony	0.4812	0.0200	0.5	0	96.2	80	120	0	0		
Arsenic	0.4884	0.0500	0.5	0	97.7	80	120	0	0		
Barium	0.4666	0.0200	0.5	0	93.3	80	120	0	0		
Beryllium	0.4806	0.0100	0.5	0	96.1	80	120	0	0		
Cadmium	0.4629	0.00500	0.5	0	92.6	80	120	0	0		
Calcium	218.6	0.100	255	0	85.7	80	120	0	0		
Chromium	0.4619	0.0100	0.5	0	92.4	80	120	0	0		
Cobalt	0.4532	0.0200	0.5	0	90.6	80	120	0	0		
Copper	0.4873	0.0100	0.5	0	97.5	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	96.68	0.100	105	0	92.1	80	120	0	0		
Lead	0.4551	0.0100	0.5	0	91	80	120	0	0		
Magnesium	240.9	0.100	255	0	94.5	80	120	0	0		
Manganese	0.469	0.00500	0.5	0	93.8	80	120	0	0		
Nickel	0.4492	0.0200	0.5	0	89.8	80	120	0	0		
Potassium	6.65	0.500	5	0	133	80	120	0	0		S
Selenium	0.4899	0.0200	0.5	0	98	80	120	0	0		
Silver	0.05076	0.0100	0.05	0	102	80	120	0	0		
Sodium	5.308	1.00	5	0	106	80	120	0	0		
Thallium	0.4885	0.0200	0.5	0	97.7	80	120	0	0		
Vanadium	0.4742	0.0100	0.5	0	94.8	80	120	0	0		
Zinc	0.4705	0.0200	0.5	0	94.1	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc
3785 Presidential Parkway
Atlanta, GA 30340

I. K 6-24-04

ICP PREPARATION LOG BOOK

EPA Methods 200.7, 3005A, 3010A, 3050B,, N7300, Paint_Met, TSP_Met, OSHA 121
IA-13001, IP-12013, IP-12001, IA-13044, IA13013, IA-13045 Ant. Met. 161-97 → 0.5

AES Batch #: 47050
Matrix : WASTE
Prep Date: 6-24-04

HNO_3: 8671
HCl: 8682
H_2O_2: N/A

LCS/LCSD ID: VHG #8342 ml
LCS Theo. Conc.: 10.0, 1.0, 0.1
MS/MSD ID#: Same as LCS
MS Theo. Conc.: Same as LCS
Prep. Method #: 3050B-X
Balance #: 3

Hotblock ID and Temp: PO #1512 97°C
Thermomtr ID & Calib.Exp. AES #1589 12-14-04

AES Project #	Sample Number	Initial Vol. (mL)	Sample wt grams	Final Vol. (mL)	pH Check	Comments
47050	LCS	N/A	1.0000	50	N/A	
47050	MB		1.0000			
0406B33	003B Orig.		1.2892			
	003B DUP		1.2716			
I.K.	003B MS	I.K.	1.2953			
0406C14	001C	5ml	5.0290			
	002C		5.8631			
I.K.	003C	I.K.	4.8773	I.K.	I.K.	

I. K. 6-24-04

I. K. 6-24-04

* Initial pH of the samples must be ≤ 2. If pH is higher than 2, notify the Laboratory Manager.

Analyst: I. K. Date: 6-24-04

Analysis Report Summary 06/28/04 09:36:34 AM page 1

ICV=Mot-184-010
ICAL=Mot-184-011
ICAL2=Mot-184-012

Reviewed 6-28-04 CDW

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-BLANK	62504A	ICPCLP	06/25/04	08:40		X	IR
2	ICAL	62504A	ICPCLP	06/25/04	08:44		X	IR
3	ICAL2	62504A	ICPCLP	06/25/04	08:48		X	IR
4	CKSTD	62504A	ICPCLP	06/25/04	08:52	CDW	Q	CONC
5	ICV	62504A	ICPCLP	06/25/04	08:57	CDW	Q	CONC
6	ICB	62504A	ICPCLP	06/25/04	09:01	CDW	B	CONC
7	CRI	62504A	ICPCLP	06/25/04	09:05	CDW	Q	CONC
8	CRI2	62504A	ICPCLP	06/25/04	09:09	CDW	Q	CONC
9	ICSA	62504A	ICPCLP	06/25/04	09:14	CDW	Q	CONC
10	ICSAB	62504A	ICPCLP	06/25/04	09:18	CDW	Q	CONC
11	CCV	62504A	ICPCLP	06/25/04	09:22	CDW	Q	CONC
12	CCB	62504A	ICPCLP	06/25/04	09:27	CDW	B	CONC
13	~~LCS-46946~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~09:31~~	~~CDW~~	~~S~~	~~CONC~~
14	LCS-46946	62504A	ICPCLP	06/25/04	09:40	CDW	S	CONC
15	0406174-028C	62504A	ICPCLP	06/25/04	09:44	CDW	S	CONC
16	0406174-029C	62504A	ICPCLP	06/25/04	09:48	CDW	S	CONC
17	0406174-030C	62504A	ICPCLP	06/25/04	09:52	CDW	S	CONC
18	ICSA	62504A	ICPCLP	06/25/04	09:57	CDW	Q	CONC
19	ICSAB	62504A	ICPCLP	06/25/04	10:00	CDW	Q	CONC
20	CCV1	62504A	ICPCLP	06/25/04	10:05	CDW	Q	CONC
21	CCB1	62504A	ICPCLP	06/25/04	10:10	CDW	B	CONC
22	LCS-47050	62504A	ICPCLP	06/25/04	10:19	CDW	S	CONC
23	MB-47050	62504A	ICPCLP	06/25/04	10:23	CDW	S	CONC
24	0406B33-003B	62504A	ICPCLP	06/25/04	10:27	CDW	S	CONC
25	0406B33-003BDUP	62504A	ICPCLP	06/25/04	10:31	CDW	S	CONC
26	0406B33-003BMS	62504A	ICPCLP	06/25/04	10:35	CDW	S	CONC
27	0406C14-001C	62504A	ICPCLP	06/25/04	10:39	CDW	S	CONC
28	0406C14-002C	62504A	ICPCLP	06/25/04	10:43	CDW	S	CONC
29	0406C14-003C	62504A	ICPCLP	06/25/04	10:50	CDW	S	CONC
30	0406B33-003BDL	62504A	ICPCLP	06/25/04	10:54	CDW	S	CONC
31	0406B33-003BPDS	62504A	ICPCLP	06/25/04	10:58	CDW	S	CONC
32	ICSA	62504A	ICPCLP	06/25/04	11:03	CDW	Q	CONC
33	ICSAB	62504A	ICPCLP	06/25/04	11:06	CDW	Q	CONC
34	~~CCV2~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~11:11~~	~~CDW~~	~~Q~~	~~CONC~~
35	~~CCB2~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~11:16~~	~~CDW~~	~~B~~	~~CONC~~
36	CCV	62504A	ICPCLP	06/25/04	11:21	CDW	Q	CONC
37	CCB	62504A	ICPCLP	06/25/04	11:25	CDW	B	CONC
38	LCS-47097	62504A	ICPCLP	06/25/04	11:29	CDW	S	CONC
39	MB-47097	62504A	ICPCLP	06/25/04	11:33	CDW	S	CONC
40	0406C40-003A	62504A	ICPCLP	06/25/04	11:37	CDW	S	CONC
41	0406C40-003ADUP	62504A	ICPCLP	06/25/04	11:41	CDW	S	CONC
42	0406C40-003AMS	62504A	ICPCLP	06/25/04	11:45	CDW	S	CONC
43	0406B27-001A	62504A	ICPCLP	06/25/04	11:49	CDW	S	CONC
44	0406C46-013A	62504A	ICPCLP	06/25/04	11:53	CDW	S	CONC
45	0406C40-003ADL	62504A	ICPCLP	06/25/04	11:57	CDW	S	CONC
46	0406C40-003APDS	62504A	ICPCLP	06/25/04	12:01	CDW	S	CONC
47	CCV	62504A	ICPCLP	06/25/04	12:05	CDW	Q	CONC
48	CCB	62504A	ICPCLP	06/25/04	12:10	CDW	B	CONC
49	LCS-47096	62504A	ICPCLP	06/25/04	12:14	CDW	S	CONC
50	MB-47096	62504A	ICPCLP	06/25/04	12:18	CDW	S	CONC
51	0406C46-001A	62504A	ICPCLP	06/25/04	12:22	CDW	S	CONC
52	0406C46-001ADUP	62504A	ICPCLP	06/25/04	12:26	CDW	S	CONC
53	0406C46-001AMS	62504A	ICPCLP	06/25/04	12:30	CDW	S	CONC

CDW 6-28-04

6010B_W-T 46946

Running low-need to remake. CDW 6-28-04

6010B_X

1311_M

6010B_S

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	0406C46-002A	62504A	ICPCLP	06/25/04	12:33	CDW	S	CONC
55	0406C46-003A	62504A	ICPCLP	06/25/04	12:37	CDW	S	CONC
56	0406C46-~~04AX~~ 004A	62504A	ICPCLP	06/25/04	12:41	CDW	S	CONC
57	0406C46-005A CDW	62504A	ICPCLP	06/25/04	12:45	CDW	S	CONC
58	0406C46-006A 6-28-04	62504A	ICPCLP	06/25/04	12:49	CDW	S	CONC
59	CCV1 6-28-04	62504A	ICPCLP	06/25/04	12:54	CDW	Q	CONC
60	CCB1	62504A	ICPCLP	06/25/04	12:58	CDW	B	CONC
61	0406C46-007A	62504A	ICPCLP	06/25/04	13:02	CDW	S	CONC
62	0406C46-008A	62504A	ICPCLP	06/25/04	13:06	CDW	S	CONC
63	0406C46-009A	62504A	ICPCLP	06/25/04	13:10	CDW	S	CONC
64	0406C46-010A	62504A	ICPCLP	06/25/04	13:14	CDW	S	CONC
65	0406C46-011A	62504A	ICPCLP	06/25/04	13:18	CDW	S	CONC
66	0406C46-012A	62504A	ICPCLP	06/25/04	13:22	CDW	S	CONC
67	0406C46-001ADL	62504A	ICPCLP	06/25/04	13:26	CDW	S	CONC
68	0406C46-001APDS	62504A	ICPCLP	06/25/04	13:30	CDW	S	CONC
69	ICSA	62504A	ICPCLP	06/25/04	13:34	CDW	Q	CONC
70	ICSAB	62504A	ICPCLP	06/25/04	13:38	CDW	Q	CONC
71	CCV2	62504A	ICPCLP	06/25/04	13:43	CDW	Q	CONC
72	CCB2	62504A	ICPCLP	06/25/04	13:47	CDW	B	CONC
73	LCS-47093	62504B	ICPCLP	06/25/04	14:42	CDW	S	CONC
74	MB-47093	62504B	ICPCLP	06/25/04	14:46	CDW	S	CONC
75	0406C51-003A	62504B	ICPCLP	06/25/04	14:50	CDW	S	CONC
76	0406C51-003CDUP	62504B	ICPCLP	06/25/04	14:54	CDW	S	CONC
77	0406C51-003CMS	62504B	ICPCLP	06/25/04	14:58	CDW	S	CONC
78	0406C51-001A	62504B	ICPCLP	06/25/04	15:02	CDW	S	CONC
79	0406C51-002A	62504B	ICPCLP	06/25/04	15:06	CDW	S	CONC
80	0406C51-004A	62504B	ICPCLP	06/25/04	15:10	CDW	S	CONC
81	0406C51-005A	62504B	ICPCLP	06/25/04	15:14	CDW	S	CONC
82	0406C51-006A	62504B	ICPCLP	06/25/04	15:18	CDW	S	CONC
83	CCV1	62504B	ICPCLP	06/25/04	15:22	CDW	Q	CONC
84	CCB1	62504B	ICPCLP	06/25/04	15:27	CDW	B	CONC
85	0406C02-001A	62504B	ICPCLP	06/25/04	15:31	CDW	S	CONC
86	0406C51-007A	62504B	ICPCLP	06/25/04	15:37	CDW	S	CONC
87	0406C02-001A	62504B	ICPCLP	06/25/04	15:41	CDW	S	CONC
88	0406C25-001A	62504B	ICPCLP	06/25/04	15:45	CDW	S	CONC
89	0406C35-002A	62504B	ICPCLP	06/25/04	15:48	CDW	S	CONC
90	ICSA	62504B	ICPCLP	06/25/04	15:53	CDW	Q	CONC
91	ICSAB	62504B	ICPCLP	06/25/04	15:57	CDW	Q	CONC
92	CCV2	62504B	ICPCLP	06/25/04	16:02	CDW	Q	CONC
93	CCB2	62504B	ICPCLP	06/25/04	16:06	CDW	B	CONC
94	~~LCS-47097~~	~~62504B~~	~~ICPCLP~~	~~06/25/04~~	~~16:10~~	~~CDW~~	~~S~~	~~CONC~~
95	~~MB-47097~~	~~62504B~~	~~ICPCLP~~	~~06/25/04~~	~~16:14~~	~~CDW~~	~~S~~	~~CONC~~
96	LCS-47098	62504C	ICPCLP	06/25/04	17:10	CDW	S	CONC
97	MB-47098	62504C	ICPCLP	06/25/04	17:14	CDW	S	CONC
98	0406C37-006C	62504C	ICPCLP	06/25/04	17:19	CDW	S	CONC
99	0406C37-006CDUP	62504C	ICPCLP	06/25/04	17:23	CDW	S	CONC
100	0406C37-006CMS	62504C	ICPCLP	06/25/04	17:27	CDW	S	CONC
101	0406871-001E	62504C	ICPCLP	06/25/04	17:31	CDW	S	CONC
102	0406C17-001A	62504C	ICPCLP	06/25/04	17:35	CDW	S	CONC
103	0406C37-006CDL	62504C	ICPCLP	06/25/04	17:39	CDW	S	CONC
104	0406C37-006CPDS	62504C	ICPCLP	06/25/04	17:43	CDW	S	CONC
105	ICSA	62504C	ICPCLP	06/25/04	17:47	CDW	Q	CONC
106	ICSAB	62504C	ICPCLP	06/25/04	17:51	CDW	Q	CONC
107	CCV1	62504C	ICPCLP	06/25/04	17:56	CDW	Q	CONC

6010B_S

Paint_Mod

CDW 6-28-04

200.7_W-T

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB1	62504C	ICPCLP	06/25/04	18:01	CDW	B	CONC
109	LC-47121	62504C	ICPCLP	06/25/04	18:04	CDW	S	CONC
110	MB-47121	62504C	ICPCLP	06/25/04	18:08	CDW	S	CONC
111	0406C87-001A	62504C	ICPCLP	06/25/04	18:12	CDW	S	CONC
112	0406C87-002A	62504C	ICPCLP	06/25/04	18:16	CDW	S	CONC
113	0406C87-003A	62504C	ICPCLP	06/25/04	18:20	CDW	S	CONC
114	0406C87-004A	62504C	ICPCLP	06/25/04	18:24	CDW	S	CONC
115	0406C87-005A	62504C	ICPCLP	06/25/04	18:28	CDW	S	CONC
116	0406C87-006A	62504C	ICPCLP	06/25/04	18:32	CDW	S	CONC
117	LCS-47099	62504C	ICPCLP	06/25/04	18:36	CDW	S	CONC
118	MB-47099	62504C	ICPCLP	06/25/04	18:40	CDW	S	CONC
119	CCV2	62504C	ICPCLP	06/25/04	18:45	CDW	Q	CONC
120	CCB2	62504C	ICPCLP	06/25/04	18:50	CDW	B	CONC
121	0406C18-002A ~~DUP~~	62504C	ICPCLP	06/25/04	18:53	CDW	S	CONC
122	0406C18-002A ~~DUP~~ MS	62504C	ICPCLP	06/25/04	18:57	CDW	S	CONC
123	0406C18-~~002AMS~~ 003A	62504C	ICPCLP	06/25/04	19:01	CDW	S	CONC
124	0406C18-~~003A~~ 004A	62504C	ICPCLP	06/25/04	19:05	CDW	S	CONC
125	0406C18-~~004A~~ 005A	62504C	ICPCLP	06/25/04	19:09	CDW	S	CONC
126	0406C18-~~005A~~ 002A	62504C	ICPCLP	06/25/04	19:13	CDW	S	CONC
127	0406866-001A	62504C	ICPCLP	06/25/04	19:17	CDW	S	CONC
128	0406C39-027A	62504C	ICPCLP	06/25/04	19:21	CDW	S	CONC
129	0406C39-028A	62504C	ICPCLP	06/25/04	19:25	CDW	S	CONC
130	0406C39-029A	62504C	ICPCLP	06/25/04	19:29	CDW	S	CONC
131	CCV	62504C	ICPCLP	06/25/04	19:33	CDW	Q	CONC
132	CCB	62504C	ICPCLP	06/25/04	19:38	CDW	B	CONC
133	0406C39-030A	62504C	ICPCLP	06/25/04	19:42	CDW	S	CONC
134	0406C39-031A	62504C	ICPCLP	06/25/04	19:46	CDW	S	CONC
135	0406C39-032A	62504C	ICPCLP	06/25/04	19:50	CDW	S	CONC
136	0406C39-033A	62504C	ICPCLP	06/25/04	19:54	CDW	S	CONC
137	0406B96-001A	62504C	ICPCLP	06/25/04	19:58	CDW	S	CONC
138	0406C18-001B	62504C	ICPCLP	06/25/04	20:02	CDW	S	CONC
139	0406C18-002B	62504C	ICPCLP	06/25/04	20:06	CDW	S	CONC
140	0406C18-003B	62504C	ICPCLP	06/25/04	20:10	CDW	S	CONC
141	0406C18-004B	62504C	ICPCLP	06/25/04	20:14	CDW	S	CONC
142	0406C39-034A	62504C	ICPCLP	06/25/04	20:18	CDW	S	CONC
143	CCV1	62504C	ICPCLP	06/25/04	20:22	CDW	Q	CONC
144	CCB1	62504C	ICPCLP	06/25/04	20:27	CDW	B	CONC
145	0406C18-002ADL	62504C	ICPCLP	06/25/04	20:31	CDW	S	CONC
146	0406C18-002APDS	62504C	ICPCLP	06/25/04	20:35	CDW	S	CONC
147	ICSA	62504C	ICPCLP	06/25/04	20:39	CDW	Q	CONC
148	ICSAB	62504C	ICPCLP	06/25/04	20:43	CDW	Q	CONC
149	CCV2	62504C	ICPCLP	06/25/04	20:48	CDW	Q	CONC
150	CCB2	62504C	ICPCLP	06/25/04	20:52	CDW	B	CONC

Analysis Report Averages 06/28/04 09:36:34 AM page 4

#	Sample Name	Ag	Al	As	Ba	Be	Ca
1	STD1-BLANK	.05949	.74696	.02399	.00999	-.16499	.04799
2	ICAL	3.51382	18.7336	2.86435	40.8935	17.7711	36.6557
3	ICAL2	6.99965	37.0806	5.66271	81.1919	35.7312	72.5899
4	CKSTD	.1013	9.944	.9859	.9820	.9849	9.828
5	ICV	.0497	4.998	.4971	.5057	.5026	5.040
6	ICB	-.0004	-.0886	-.0016	.0003	.0002	.0143
7	CRI	.0011	.1076	.0056	.0105	.0100	.1511
8	CRI2	.0097	1.013	.0960	.1034	.1009	1.084
9	ICSA	-.0006	254.3	-.0018	.0001	.0001	214.2
10	ICSAB	.0497	258.9	.4701	.4599	.4765	217.0
11	CCV	.1007	10.11	.9791	.9832	.9844	9.934
12	CCB	-.0009	-.0678	-.0030	.0005	.0005	.0315
~~13~~	~~LCS-46946~~	~~.0014~~	~~-.1881~~	~~-.0020~~	~~-.0002~~	~~.0036~~	~~-.0068~~
14	LCS-46946	.1085	9.866	1.029	1.007	1.034	10.29
15	0406174-028C	-.0004	-.1023	-.0045	.0008	.0003	7.942
16	0406174-029C	-.0009	-.0415	-.0033	.0011	.0001	12.81
17	0406174-030C	-.0003	-.0967	-.0046	.0091	-.0000	72.25
18	ICSA	-.0011	255.5	-.0059	-.0001	.0000	215.8
19	ICSAB	.0497	260.6	.4851	.4682	.4843	219.3
20	CCV1	.1028	10.14	.9943	.9967	1.001	10.09
21	CCB1	-.0007	-.0862	-.0025	.0004	.0004	.0294
22	LCS-47050	.0999	9.871	1.010	1.007	1.023	10.22
23	MB-47050	-.0007	.0600	-.0054	.0006	.0003	.0458
24	0406833-003B	-.0010	36.71	.0185	.5705	.0025	69.93
25	0406833-003BDUP	-.0004	37.34	.0267	.4610	.0020	55.14
26	0406833-003BMS	.0968	68.10	1.006	1.731	.9771	407.5
27	0406C14-001C	.0001	2.047	.0053	.0302	.0004	9.989
28	0406C14-002C	.0592	1.730	.0631	.0875	.0010	3.622
29	0406C14-003C	-.0004	.2813	.0132	.0249	-.0001	1.709
30	0406833-003BDL	-.0008	7.673	.0003	.1188	.0004	14.86
31	0406833-003BPDS	.4892	66.17	4.751	4.768	4.587	83.34
32	ICSA	-.0004	256.9	-.0020	.0015	.0013	217.4
33	ICSAB	.0508	258.7	.4884	.4666	.4806	218.6
~~34~~	~~CCV2~~	~~.2048~~	~~20.00~~	~~1.998~~	~~1.957~~	~~1.976~~	~~19.64~~
35	CCB2	.0005	-.0566	-.0031	.0012	.0007	.0446
36	CCV	.1032	10.09	1.008	1.010	1.010	10.07
37	CCB	.0005	-.0976	-.0045	.0005	.0003	.0071
38	LCS-47097	.1000	9.781	1.030	.9446	1.018	10.09
39	MB-47097	-.0006	.1597	-.0043	.0063	.0003	.3106
40	0406C40-003A	-.0006	.2947	-.0045	.3094	.0012	6.779
41	0406C40-003ADUP	-.0011	.2610	-.0031	.3441	.0012	7.470
42	0406C40-003AMS	.0992	9.821	1.030	1.247	1.007	16.45
43	0406827-001A	-.0012	1.842	-.0033	.0702	.0003	127.9
44	0406C46-013A	-.0004	.2436	-.0009	.0163	.0000	12.43
45	0406C40-003ADL	-.0013	.1083	-.0073	.0675	.0001	1.491
46	0406C40-003APDS	.1032	10.38	1.022	1.137	1.005	13.36
47	CCV	.1029	10.21	1.025	1.016	1.016	10.10
48	CCB	-.0009	-.1003	-.0031	.0004	.0003	.0071
49	LCS-47096	.0984	9.858	.9953	1.002	1.008	10.06
50	MB-47096	-.0002	.0506	-.0038	.0013	.0008	.0574
51	0406C46-001A	-.0013	401.3	.0818	.8531	.0078	2.434
52	0406C46-001ADUP	-.0010	361.8	.0795	.8262	.0072	2.155
53	0406C46-001AMS	.0968	359.8	1.007	1.761	1.012	11.52

#	Sample Name	Ag	Al	As	Ba	Be	Ca
54	0406C46-002A	-.0017	342.9	.0725	.9700	.0091	2.041
55	0406C46-003A	-.0066	319.8	.0769	.9689	.0117	3.613
56	0406C46-~~004A~~ 4A	-.0023	312.4	.0699	.9589	.0079	1.902
57	0406C46-005A CDW 6-28-4	-.0010	302.4	.0752	.7192	.0068	1.728
58	0406C46-006A	-.0074	305.6	.0848	.9748	.0134	7.906
59	CCV1	.1053	10.46	1.031	1.031	1.028	10.21
60	CCB1	-.0015	-.0850	-.0030	.0004	.0002	.0091
61	0406C46-007A	-.0083	174.7	.1148	.6898	.0114	3.652
62	0406C46-008A	-.0111	246.9	.0715	1.132	.0120	3.588
63	0406C46-009A	-.0054	109.9	.0789	.5115	.0081	2.009
64	0406C46-010A	-.0072	154.9	.0870	.7086	.0107	5.953
65	0406C46-011A	-.0046	327.6	.0663	1.067	.0098	3.681
66	0406C46-012A	-.0026	306.8	.0860	.8050	.0096	2.154
67	0406C46-001ADL	-.0011	95.09	.0151	.1885	.0016	.5797
68	0406C46-001APDS	.4889	252.3	4.736	4.875	4.577	45.50
69	ICSA	-.0003	256.1	.0010	.0016	.0013	216.1
70	ICSAB	.0510	257.9	.4783	.4632	.4776	217.0
71	CCV2	.2032	20.04	1.986	1.951	1.967	19.52
72	CCB2	-.0006	-.0476	-.0023	.0014	.0011	.0532
73	LCS-47093	.0122	11.24	.0064	17.20	.0000	12.16
74	MB-47093	-.0002	.2070	-.0034	.0119	.0000	1.310
75	0406C51-003A	-.0003	7.760	-.0029	.0528	.0003	157.0
76	0406C51-003CDUP	-.0011	8.063	-.0047	.0462	.0003	151.5
77	0406C51-003CMS	-.0005	7.478	-.0034	.0473	.0003	149.9
78	0406C51-001A	-.0003	2.379	-.0027	.0083	.0001	21.61
79	0406C51-002A	-.0004	9.261	-.0022	.0723	.0003	67.58
80	0406C51-004A	-.0004	6.051	-.0045	.1148	.0002	185.8
81	0406C51-005A	-.0006	2.745	-.0017	2.264	.0000	6.169
82	0406C51-006A	.0016	4.200	.0196	2.331	-.0001	6.783
83	CCV1	.1025	10.03	.9951	.9975	.9977	9.933
84	CCB1	-.0005	-.1055	-.0051	.0007	.0004	.0132
85	0406C02-001A	.0017	6.766	-.0062	.0560	.0001	48.57
86	0406C51-007A	.0011	6.533	.0009	.0548	.0001	48.06
87	0406C02-001A	-.0010	6.832	-.0045	.0419	.0003	311.1
88	0406C25-001A	.0030	8.261	.0076	.0746	.0003	125.2
89	0406C35-002A	.0017	6.677	.0484	.5928	.0002	99.73
90	ICSA	-.0092	Q130.6	-.0026	-.0010	.0020	Q107.5
91	ICSAB	.0512	259.8	.4764	.4679	.4773	216.1
92	CCV2	.2067	20.28	2.012	1.984	1.989	19.67
93	CCB2	-.0011	-.0524	-.0040	.0016	.0013	.0540
94	LCS-47097	-.0014	-.1891	-.0044	-.0002	.0037	-.0066
95	MB-47097 CDW 6-28-4	-.0016	-.1899	-.0020	.0002	.0037	-.0072
96	LCS-47098	.1001	9.823	1.004	.9854	1.004	9.926
97	MB-47098	-.0005	-.0038	-.0032	.0005	.0002	.0437
98	0406C37-006C	-.0010	.0934	-.0056	.0817	.0001	.5163
99	0406C37-006CDUP	-.0005	.0613	-.0078	.0794	.0000	.3339
100	0406C37-006CMS	.0999	9.896	.9930	1.068	1.004	10.26
101	0406871-001E	-.0009	.0325	-.0024	.0217	.0002	7.470
102	0406C17-001A	.0097	.3597	-.0051	.0312	-.0001	13.29
103	0406C37-006CDL	-.0003	.0405	-.0070	.0166	-.0001	.1000
104	0406C37-006CPDS	.1042	10.43	1.010	1.053	1.003	10.16
105	ICSA	-.0002	254.8	-.0025	.0004	.0003	213.4
106	ICSAB	.0497	257.1	.4716	.4593	.4719	214.3
107	CCV1	.1031	10.18	.9915	.9967	.9942	9.976

#	Sample Name	Ag	Al	As	Ba	Be	Ca
108	CCB1	-.0008	-.0907	-.0038	.0003	.0003	.0243
109	LC-47121	.0139	11.29	.0095	15.96	-.0000	9.700
110	MB-47121	-.0006	.0309	-.0004	.0082	-.0000	.7003
111	0406C87-001A	.0056	5.065	-.0032	.3900	-.0000	148.0
112	0406C87-002A	.0001	7.736	-.0031	.5505	.0000	255.3
113	0406C87-003A	.0007	19.33	-.0002	.2500	.0001	191.1
114	0406C87-004A	.0002	8.775	-.0028	.1288	-.0000	75.22
115	0406C87-005A	-.0010	11.91	-.0039	.0217	-.0001	83.02
116	0406C87-006A	-.0004	12.15	.0036	.0430	-.0001	128.6
117	LCS-47099	.1013	9.810	1.019	.9962	1.017	10.11
118	MB-47099	-.0009	-.1029	-.0047	.0005	.0002	.0316
119	CCV2	.2076	20.09	2.017	1.970	1.985	19.57
120	CCB2	-.0015	-.1039	-.0021	.0007	.0007	.0114
121	0406C18-002ADUP	-.0011	1.686	.1729	.0372	.0002	13.04
122	0406C18-002A~~DUP~~ MS	.0991	11.39	1.182	1.010	1.015	22.92
123	0406C18-~~002AMS~~ 001A	-.0010	12.49	.5862	.1309	.0006	22.43
124	0406C18-~~001A~~ 003A	-.0013	13.59	.6817	.1295	.0002	25.50
125	0406C18-~~003A~~ 004A	-.0018	34.15	.0919	.1206	.0011	8.888
126	0406C18-~~004A~~ 002A	-.0011	1.788	.1704	.0371	.0000	12.96
127	0406866-001A	.0046	19.25	.0074	.1187	.0005	27.24
128	0406C39-027A	-.0005	4.530	.0024	.0665	.0001	3.704
129	0406C39-028A	-.0005	6.051	-.0047	.0639	.0000	3.077
130	0406C39-029A	-.0011	11.75	-.0028	.1651	.0008	33.97
131	CCV	.1019	9.977	.9911	.9950	.9912	9.868
132	CCB	-.0010	-.0858	-.0053	.0003	.0003	.0083
133	0406C39-030A	-.0009	7.560	-.0012	.0639	.0003	14.52
134	0406C39-031A	-.0013	10.28	-.0049	.1638	.0007	34.05
135	0406C39-032A	-.0014	.2773	-.0011	.0923	-.0001	106.7
136	0406C39-033A	-.0005	3.137	-.0015	.1007	.0001	104.4
137	0406896-001A	-.0001	-.1099	-.0013	.1400	-.0002	10.66
138	0406C18-001B	-.0006	-.0064	.1504	.0156	-.0003	19.85
139	0406C18-002B	-.0008	.2804	.1513	.0331	-.0003	13.86
140	0406C18-003B	-.0018	-.0200	.1672	.0124	-.0004	22.61
141	0406C18-004B	-.0006	.0884	.0314	.0168	-.0003	5.957
142	0406C39-034A	-.0016	4.137	-.0068	.1866	.0001	78.79
143	CCV1	.1047	10.15	1.014	1.010	1.008	10.08
144	CCB1	-.0015	-.0996	-.0020	.0003	.0002	.0160
145	0406C18-002ADL	-.0015	.2657	.0319	.0076	.0000	2.651
146	0406C18-002APDS	.1039	11.03	1.098	1.029	1.016	16.30
147	ICSA	-.0008	256.3	-.0074	.0003	.0001	217.1
148	ICSAB	.0506	257.5	.4836	.4643	.4792	217.9
149	CCV2	.2038	19.93	2.004	1.955	1.976	19.58
150	CCB2	-.0007	-.0768	-.0017	.0008	.0007	.0321

6 X-DUPS CDW 6-28-4

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
1	STD1-BLANK	.01899	0	.14749	.06399	.02099	34.5603
2	ICAL	45.9547	4.46377	24.6008	21.1489	16.5212	87.1776
3	ICAL2	91.5319	8.87705	48.892	42.1989	32.8969	146.829
4	CKSTD	.9830	.9801	.9832	.9888	9.850	10.28
5	ICV	.5032	.5032	.5028	.5062	5.030	4.788
6	ICB	.0005	.0001	.0000	.0002	-.0051	-.0358
7	CRI	.0103	.0097	.0106	.0126	.0951	.0290

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
8	CRI2	.1023	.1008	.1026	.1052	1.022	.7415
9	ICSA	.0011	.0017	-.0012	.0001	90.69	-.1807
10	ICSAB	.4545	.4485	.4573	.4836	95.22	Q6.654
11	CCV	.9835	.9835	.9856	.9899	9.949	10.39
12	CCB	.0005	-.0002	.0002	.0006	.0080	-.0055
13	~~LCS-46946~~	~~.0001~~	~~-.0001~~	~~-.0027~~	~~-.0012~~	~~-.0010~~	~~.3939~~
14	LCS-46946	1.048	1.025	1.032	1.027	10.48	10.71
15	0406174-028C	.0004	.0003	-.0000	.0021	.0212	1.759
16	0406174-029C	.0002	-.0002	.0010	.0050	.0218	.0810
17	0406174-030C	.0001	.0003	.0008	.0048	.0083	.2253
18	ICSA	.0006	.0010	-.0019	-.0010	91.81	-.2086
19	ICSAB	.4633	.4551	.4643	.4916	96.90	Q6.648
20	CCV1	1.002	.9945	.9990	1.000	10.11	10.51
21	CCB1	.0004	-.0001	.0001	-.0003	.0041	.0013
22	LCS-47050	1.041	1.018	1.037	1.031	10.46	10.38
23	MB-47050	.0003	-.0003	.0039	-.0001	.0104	.0940
24	0406B33-003B	.0028	.0111	.2628	.3381	22.32	5.839
25	0406B33-003BDUP	.0016	.0101	.1042	.2659	17.44	4.645
26	0406B33-003BMS	.9424	.9200	1.091	2.288	50.30	20.61
27	0406C14-001C	.0005	.0002	.0051	.0846	.2993	2.773
28	0406C14-002C	.0019	.0018	.0230	.1172	22.96	15.25
29	0406C14-003C	.0002	.0003	.0161	.0408	3.848	5.842
30	0406B33-003BDL	.0003	.0022	.0542	.0687	4.619	1.166
31	0406B33-003BPDS	4.592	4.562	4.769	4.873	59.04	57.45
32	ICSA	.0020	.0024	-.0002	.0012	93.19	-.1797
33	ICSAB	.4629	.4532	.4619	.4873	96.68	Q6.650
34	~~CCV2~~	~~1.978~~	~~1.960~~	~~1.969~~	~~1.980~~	~~19.93~~	~~Q22.18~~
35	~~CCB2~~	~~.0011~~	~~.0004~~	~~.0005~~	~~.0005~~	~~.0022~~	~~.0253~~
36	CCV	1.016	1.005	1.008	1.012	10.17	10.53
37	CCB	.0006	.0001	.0002	-.0007	-.0010	.0128
38	LCS-47097	1.032	.9942	1.002	1.005	10.19	15.64
39	MB-47097	.0006	-.0003	.0012	.0065	.0022	.4183
40	0406C40-003A	.0002	.0014	.0017	.0081	.4610	2.033
41	0406C40-003ADUP	-.0001	.0019	.0015	.0085	.4990	2.112
42	0406C40-003AMS	1.016	.9894	.9946	.9973	10.51	15.94
43	0406B27-001A	.0004	.0008	.0018	.0102	.0146	.6198
44	0406C46-013A	.0023	.0008	.0006	.0077	.0358	1.484
45	0406C40-003ADL	-.0002	-.0002	.0001	.0017	.0969	.4366
46	0406C40-003APDS	1.010	.9968	.9997	1.007	10.27	14.02
47	CCV	1.023	1.016	1.018	1.026	10.24	10.39
48	CCB	.0003	-.0003	.0003	-.0003	-.0104	-.0021
49	LCS-47096	1.027	1.013	1.033	1.040	10.35	9.874
50	MB-47096	.0009	-.0003	.0076	.0001	.0151	.0488
51	0406C46-001A	.0040	.0240	.2268	.1506	393.1	11.59
52	0406C46-001ADUP	.0037	.0223	.2125	.1457	380.9	10.45
53	0406C46-001AMS	.9867	.9883	1.201	1.157	387.4	22.73
54	0406C46-002A	.0034	.0241	.2045	.1033	300.1	10.11
55	0406C46-003A	.0036	.0392	.1868	.1052	281.3	10.37
56	0406C46-~~04AK~~ 4a	.0032	.0241	.1862	.1155	290.4	9.370
57	0406C46-005A	.0036	.0193	.2012	.1321	325.6	9.024
58	0406C46-006A	.0032	.1006	.1848	.0994	261.7	10.36
59	CCV1	1.029	1.032	1.031	1.044	10.53	10.49
60	CCB1	.0003	-.0005	-.0003	-.0006	.0151	-.0873
61	0406C46-007A	.0017	.0706	.1911	.0721	140.3	6.806

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
62	0406C46-008A	.0021	.0843	.1462	.0778	186.7	8.728
63	0406C46-009A	.0013	.0360	.0721	.0484	88.30	4.333
64	0406C46-010A	.0013	.0495	.0936	.0626	104.3	6.268
65	0406C46-011A	.0031	.0284	.1869	.1024	282.1	9.706
66	0406C46-012A	.0039	.0366	.2433	.1202	346.2	9.135
67	0406C46-001ADL	.0009	.0044	.0481	.0317	84.66	2.145
68	0406C46-001APDS	4.521	4.572	4.706	4.880	239.7	61.30
69	ICSA	.0024	.0029	-.0001	.0016	92.99	-.2143
70	ICSAB	.4598	.4550	.4607	.4879	96.36	Q6.630
71	CCV2	1.969	1.973	1.969	1.989	19.94	21.96
72	CCB2	.0013	.0007	.0008	.0016	.0156	-.0730
73	LCS-47093	1.068	.0262	4.539	.2422	12.57	.9079
74	MB-47093	.0005	-.0007	.0146	.0129	.0781	.2694
75	0406C51-003A	.0037	.1934	.1363	.0201	1.974	5.062
76	0406C51-003CDUP	.0041	.2032	.1421	.0197	1.915	5.652
77	0406C51-003CMS	.0035	.1846	.1423	.0248	1.909	6.053
78	0406C51-001A	.0005	.0454	.0136	.0157	.6157	.4360
79	0406C51-002A	.0018	.1143	.0555	.1185	11.26	2.613
80	0406C51-004A	.0071	.1058	.0167	.1437	.7897	2.224
81	0406C51-005A	.0009	.3625	.0415	.0240	7.107	32.94
82	0406C51-006A	.0011	.6541	13.05	.0579	46.85	11.16
83	CCV1	1.009	1.009	1.005	1.003	10.09	10.46
84	CCB1	.0004	.0002	.0012	-.0005	.0084	-.0013
85	0406C02-001A	.0011	.2720	.0224	.0490	.9893	1.141
86	0406C51-007A	.0015	.2687	.0219	.0579	1.008	1.193
87	0406C02-001A	.0003	.1792	.0182	.0193	3.269	1.864
88	0406C25-001A	.0021	.3246	.9115	.2044	12.10	2.119
89	0406C35-002A	.0938	.1439	.0416	.0612	67.36	1.130
90	ICSA	-.0027	.0009	-.0010	-.0001	Q47.12	-.3602
91	ICSAB	.4588	.4525	.4595	.4883	96.19	Q6.609
92	CCV2	1.998	1.992	1.994	2.012	20.15	Q22.24
93	CCB2	.0013	.0008	.0005	.0013	.0110	-.0614
94	~~LCS-47097~~	~~.0000~~	~~-.0006~~	~~-.0026~~	~~-.0012~~	~~.0013~~	~~-.5448~~
95	~~MB-47097~~	~~-.0002~~	~~-.0003~~	~~-.0028~~	~~-.0010~~	~~.0012~~	~~-.5771~~
96	LCS-47098	1.025	1.003	1.007	1.011	10.23	10.46
97	MB-47098	.0004	.0001	.0004	-.0010	.0056	.0028
98	0406C37-006C	.0000	.0073	.0015	.0053	.0315	1.046
99	0406C37-006CDUP	.0001	.0080	.0009	.0050	.0074	1.042
100	0406C37-006CMS	1.028	1.015	1.012	1.018	10.28	11.93
101	0406B71-001E	.0005	.0000	.0013	.0177	1.870	2.759
102	0406C17-001A	.0003	.0007	.0035	.1351	.7902	6.316
103	0406C37-006CDL	-.0000	.0012	-.0001	.0009	.0132	.2850
104	0406C37-006CPDS	1.018	1.018	1.013	1.020	10.20	11.39
105	ICSA	.0011	.0022	-.0008	.0004	91.60	-.2394
106	ICSAB	.4563	.4496	.4560	.4803	95.24	Q6.540
107	CCV1	1.006	1.001	.9990	1.002	10.11	10.35
108	CCB1	.0003	-.0006	-.0004	-.0011	.0001	-.0193
109	LC-47121	1.166	.0279	4.791	.2273	12.64	.6686
110	MB-47121	.0006	-.0003	.0091	.0098	.0408	.1749
111	0406C87-001A	.0024	.0514	.0579	.1129	8.554	2.965
112	0406C87-002A	.0047	.1188	.2495	.2620	17.72	4.278
113	0406C87-003A	.0159	.0393	.0405	.1823	4.879	8.429
114	0406C87-004A	.0050	.0074	.0297	.1167	5.088	3.228
115	0406C87-005A	.0104	.0160	.0148	.0896	.9581	3.170

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
116	0406C87-006A	.0130	.0186	.0193	.1236	1.628	2.740
117	LCS-47099	1.040	1.020	1.022	1.021	10.38	10.53
118	MB-47099	.0004	.0004	.0008	-.0006	-.0017	-.0952
119	CCV2	2.005	1.988	1.986	1.993	20.05	Q22.29
120	CCB2	.0007	.0000	.0003	.0001	-.0035	-.0153
121	0406C18-002A DUP	.0004	.0016	.0227	.0830	1.581	5.803
122	0406C18-002ADUPMS	1.028	1.009	1.029	1.081	11.88	17.41
123	0406C18-002AMS 1A	.0008	.0047	.8958	.4224	15.78	14.43
124	0406C18-001A 3A	.0004	.0040	1.111	.4878	17.51	16.11
125	0406C18-003A 4A	.0001	.0132	.0550	.0821	33.72	5.349
126	0406C18-004A 2A	.0001	.0011	.0225	.0821	1.593	5.720
127	0406866-001A	.0007	.0069	.0380	.4943	20.97	32.51
128	0406C39-027A	.0000	.0027	.0058	.0167	6.851	2.797
129	0406C39-028A	-.0000	.0017	.0040	.0015	5.722	2.541
130	0406C39-029A	-.0001	.0047	.0068	.0087	6.579	12.55
131	CCV	1.002	.9918	.9924	.9915	10.00	10.38
132	CCB	.0002	.0004	-.0000	-.0005	-.0013	.0474
133	0406C39-030A	.0001	.0008	.0041	.0050	3.000	8.316
134	0406C39-031A	.0000	.0037	.0058	.0080	6.304	12.42
135	0406C39-032A	.0001	.0024	.0019	.0064	.4357	14.15
136	0406C39-033A	.0006	.0015	.0036	.0089	2.208	12.89
137	0406896-001A	.0002	.0485	.0037	-.0006	3.917	2.590
138	0406C18-001B	-.0001	.0012	.0264	.0744	.2379	10.07
139	0406C18-002B	-.0000	.0007	.0131	.0747	.6922	7.101
140	0406C18-003B	-.0001	.0008	.0274	.0838	.2352	11.41
141	0406C18-004B	-.0002	.0034	.0009	.0086	.1666	3.197
142	0406C39-034A	-.0001	.0032	.0037	.0150	6.931	14.87
143	CCV1	1.020	1.005	1.009	1.007	10.19	10.53
144	CCB1	.0003	.0000	-.0001	-.0013	-.0025	-.0132
145	0406C18-002ADL	.0001	-.0005	.0039	.0164	.3133	.9361
146	0406C18-002APDS	1.016	1.009	1.021	1.051	10.93	13.87
147	ICSA	.0007	.0019	-.0015	-.0003	93.01	-.1830
148	ICSAB	.4640	.4541	.4611	.4833	96.59	Q6.709
149	CCV2	1.990	1.971	1.970	1.967	19.96	Q22.15
150	CCB2	.0008	.0004	.0006	.0010	.0129	.0569

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
1	STD1-BLANK	.04249	.00949	.05849	-.00399	.20898	-.02649
2	ICAL	31.4904	19.73	1.72791	18.0061	20.2915	22.1234
3	ICAL2	62.2894	39.1215	3.63481	35.6402	40.5565	43.6968
4	CKSTD	9.821	.9806	10.43	.9808	.9863	.9859
5	ICV	Q5.032	.5041	4.941	.5043	.5024	.4987
6	ICB	.0035	.0003	-.1034	.0049	-.0010	.0013
7	CRI	.1043	.0113	.0245	.0089	.0114	.0094
8	CRI2	1.027	.1040	.7811	.1018	.1038	.1024
9	ICSA	234.6	.0038	-.0712	.0002	-.0768	.0350
10	ICSAB	238.3	.4633	5.323	.4445	.3784	.4886
11	CCV	9.907	.9826	10.49	.9823	.9823	.9777
12	CCB	.0229	.0006	-.1237	.0109	.0003	-.0010
13	LCS-46946	-.0040	-.0002	-.1391	-.0015	.0039	.0023
14	LCS-46946	10.41	1.023	11.07	1.031	1.023	1.011
15	0406174-028C	1.110	.0039	84.33	-.0006	-.0001	.0017

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CAW 6-28-4

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
16	0406174-029C	1.113	.0017	1.770	.0015	-.0037	.0014
17	0406174-030C	.8138	.0012	1.694	-.0008	.0009	.0013
18	ICSA	237.1	.0035	-.1971	.0010	-.0785	.0350
19	ICSAB	241.6	.4711	5.192	.4516	.3746	.4927
20	CCV1	10.08	.9966	10.71	.9959	1.004	1.003
21	CCB1	.0270	.0006	-.1621	.0001	-.0016	.0018
22	LCS-47050	10.28	1.024	11.28	1.024	1.005	1.001
23	MB-47050	.0111	.0007	.4029	-.0019	-.0012	.0022
24	0406B33-003B	9.160	2.507	9.358	.3218	.7175	.7301
25	0406B33-003BDUP	6.393	.6287	8.598	.2316	.6118	.6305
26	0406B33-003BMS	28.71	2.384	21.35	1.210	1.614	1.635
27	0406C14-001C	.2732	.0288	21.08	.0040	.0353	.0397
28	0406C14-002C	.6436	.2173	185.7	.0133	.0101	.0147
29	0406C14-003C	.1298	.0391	69.69	.0220	.0086	.0064
30	0406B33-003BDL	1.960	.5238	2.410	.0756	.1492	.1525
31	0406B33-003BPDS	51.54	6.067	63.49	4.702	4.942	4.914
32	ICSA	240.5	.0055	-.1495	.0019	-.0762	.0391
33	ICSAB	240.9	.4690	5.308	.4492	.3833	.4910
34	CCV2	19.75	1.955	Q22.11	1.956	1.968	1.954
35	CCB2	.0024	.0011	.0047	.0189	.0016	-.0011
36	CCV	10.09	1.005	10.52	1.007	1.003	1.005
37	CCB	.0030	.0002	.0235	.0008	.0000	-.0020
38	LCS-47097	9.844	.9880	298.6	1.004	.9945	.9958
39	MB-47097	.0802	.0011	260.4	-.0008	.0016	.0028
40	0406C40-003A	3.121	.1892	177.5	.0013	-.0014	.0005
41	0406C40-003ADUP	3.445	.2105	197.7	.0012	.0000	.0010
42	0406C40-003AMS	12.85	1.171	191.5	.9967	.9815	.9877
43	0406827-001A	.1594	.0020	306.9	.0007	-.0016	.0019
44	0406C46-013A	1.187	.2214	295.4	.0006	.0192	.0160
45	0406C40-003ADL	.6705	.0399	33.08	.0090	-.0020	.0014
46	0406C40-003APDS	11.43	1.087	100.7	.9986	1.003	1.001
47	CCV	10.13	1.016	10.43	1.017	.9980	1.014
48	CCB	-.0003	.0004	-.1352	.0009	.0001	-.0006
49	LCS-47096	10.08	1.017	11.22	1.015	.9948	.9950
50	MB-47096	.0151	.0010	.5598	-.0011	.0023	.0008
51	0406C46-001A	7.392	.6569	7.258	.0676	.2205	.3697
52	0406C46-001ADUP	6.522	.7839	8.722	.0607	.2275	.3601
53	0406C46-001AMS	16.06	1.629	19.63	1.029	1.164	1.299
54	0406C46-002A	6.828	.6555	7.205	.0624	.1104	.2498
55	0406C46-003A	7.908	1.531	10.00	.0622	.7763	.9042
56	0406C46-004A 4A	6.165	.5468	8.696	.0573	.1726	.3139
57	0406C46-005A CAW 6-28-4	5.516	.5445	9.492	.0455	.1886	.3045
58	0406C46-006A	7.654	8.175	8.627	.0623	1.235	1.368
59	CCV1	10.21	1.027	10.83	1.032	1.029	1.027
60	CCB1	.0030	.0007	-.1853	-.0003	-.0016	-.0025
61	0406C46-007A	4.992	6.391	9.027	.0334	2.667	2.761
62	0406C46-008A	7.160	5.912	8.459	.0546	1.278	1.392
63	0406C46-009A	3.366	2.945	6.155	.0179	.2348	.2960
64	0406C46-010A	5.184	5.068	8.096	.0282	.2106	.2947
65	0406C46-011A	7.612	1.079	7.463	.0606	.2568	.3980
66	0406C46-012A	7.033	2.882	7.711	.0575	.5561	.6876
67	0406C46-001ADL	1.676	.1437	2.221	.0228	.0416	.0849
68	0406C46-001APDS	48.77	4.836	61.88	4.561	4.618	4.727
69	ICSA	238.1	.0052	-.1124	.0017	-.0756	.0388

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CAW 6-28-4

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
70	ICSAB	238.8	.4659	5.392	.4509	.3818	.4968
71	CCV2	19.58	1.953	Q22.08	1.963	1.970	1.969
72	CCB2	.0394	.0014	.0348	.0195	.0009	-.0002
73	LCS-47093	2.253	.2378	11.21	.0374	14.63	14.49
74	MB-47093	.0659	.0040	8.926	-.0018	.0109	.0086
75	0406C51-003A	10.88	.1653	11.32	.0064	.5073	.5067
76	0406C51-003CDUP	10.39	.1514	10.32	.0068	.5235	.5178
77	0406C51-003CMS	10.80	.1535	11.85	.0082	9.826	9.813
78	0406C51-001A	1.248	.0235	8.503	.0001	.0149	.0221
79	0406C51-002A	4.305	.1242	10.82	.0222	.0951	.0990
80	0406C51-004A	9.743	.1398	8.365	.0032	.0291	.0299
81	0406C51-005A	2.049	.0377	30.21	.0037	.0753	.0741
82	0406C51-006A	2.228	.1921	16.25	.0253	56.90	56.93
83	CCV1	9.981	1.001	10.50	1.007	1.022	1.023
84	CCB1	.0071	.0004	-.0962	.0007	.0017	.0054
85	0406C02-001A	2.797	.0387	9.403	.0045	.0784	.0834
86	0406C51-007A	2.793	.0433	12.89	.0074	.0722	.0804
87	0406C02-001A	6.322	.1068	34.88	.0002	.0108	.0117
88	0406C25-001A	9.725	.2761	12.22	.0172	4.769	4.755
89	0406C35-002A	7.529	.2487	10.69	.0102	9.579	9.525
90	ICSA	Q120.6	.0021	-1.554	.0002	-.1486	.0984
91	ICSAB	238.2	.4675	5.346	.4490	.3750	.4913
92	CCV2	19.83	1.982	Q22.19	1.990	1.968	1.984
93	CCB2	.0376	.0015	-.1325	.0192	.0025	.0007
~~94~~	~~LCS-47097~~	~~.0031~~	~~.0001~~	~~-.1377~~	~~.0013~~	~~.0046~~	~~.0013~~
95	MB-47097	-.0020	-.0002	-.1917	-.0010	-.0051	.0025
96	LCS-47098	10.05	1.002	11.41	1.010	.9956	.9929
97	MB-47098	.0082	.0004	.4599	-.0008	-.0015	.0004
98	0406C37-006C	1.155	.1935	3.336	.0118	.0030	.0032
99	0406C37-006CDUP	1.125	.1877	3.449	.0113	-.0004	.0023
100	0406C37-006CMS	11.23	1.191	14.59	1.025	.9887	.9876
101	0406871-001E	1.336	.0392	7.893	.0008	-.0014	.0015
102	0406C17-001A	2.467	.1001	46.61	.0003	.0001	.0040
103	0406C37-006CDL	.2429	.0394	1.192	.0113	.0014	-.0014
104	0406C37-006CPDS	10.61	1.106	13.13	1.017	1.001	1.004
105	ICSA	235.0	.0042	-.0080	.0013	-.0791	.0389
106	ICSAB	235.9	.4633	5.288	.4438	.3707	.4858
107	CCV1	9.976	.9992	10.62	1.000	1.003	.9963
108	CCB1	.0163	.0002	-.1126	-.0002	.0016	-.0001
109	LC-47121	1.724	.2173	9.207	.0344	14.99	15.08
110	MB-47121	.0394	.0030	4.509	-.0009	.0051	.0070
111	0406C87-001A	4.103	.2132	11.69	.0139	.5870	.5921
112	0406C87-002A	6.466	.2175	14.14	.0229	1.709	1.698
113	0406C87-003A	3.987	.1802	21.76	.1910	7.325	7.293
114	0406C87-004A	1.828	.1404	11.08	.0745	.2148	.2205
115	0406C87-005A	1.673	.0318	13.45	.0139	.0285	.0405
116	0406C87-006A	2.128	.0709	14.31	.0055	.1008	.1068
117	LCS-47099	10.21	1.016	10.83	1.025	1.010	1.008
118	MB-47099	.0034	.0004	.0822	-.0004	-.0033	.0008
119	CCV2	19.82	1.976	Q22.19	1.982	1.968	1.995
120	CCB2	.0040	.0007	-.2179	.0089	-.0033	.0023
121	0406C18-002A	2.471	.1829	9.819	.0006	.0004	.0019
122	0406C18-002ADUP	12.59	1.186	21.69	1.011	.9900	.9917
123	0406C18-002AMS	5.102	.4802	22.06	.0090	.0071	.0161

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
124	0406C18-~~001A~~	5.323	.4845	25.85	.0081	.0099	.0159
125	0406C18-~~003A~~	3.199	.4598	20.79	.0118	.0089	.0312
126	0406C18-~~004A~~	2.452	.1822	9.695	.0009	-.0010	.0014
127	0406B66-001A	3.290	.3860	17.67	.0309	.0538	.0582
128	0406C39-027A	1.513	.3692	12.31	.0021	.0019	.0051
129	0406C39-028A	1.459	.3291	7.091	.0010	.0062	.0026
130	0406C39-029A	9.695	.4108	15.93	.0073	-.0033	.0080
131	CCV	9.889	.9922	10.32	.9921	.9853	.9802
132	CCB	.0041	.0004	-.1320	.0009	-.0018	.0003
133	0406C39-030A	3.275	.0634	5.359	.0009	.0002	.0036
134	0406C39-031A	9.665	.4100	15.80	.0067	-.0012	.0067
135	0406C39-032A	10.56	.6592	14.44	.0013	-.0009	.0009
136	0406C39-033A	11.13	.2199	12.03	.0021	-.0010	.0012
137	0406896-001A	9.083	31.91	8.807	-.0019	.0012	.0058
138	0406C18-001B	2.135	.2360	11.54	.0022	-.0032	.0000
139	0406C18-002B	2.603	.1919	10.65	.0012	.0022	-.0013
140	0406C18-003B	2.150	.2041	14.53	.0020	-.0064	.0026
141	0406C18-004B	1.609	.2034	6.475	.0017	-.0030	-.0005
142	0406C39-034A	18.35	1.134	18.36	.0031	-.0021	.0029
143	CCV1	10.14	1.003	10.66	1.006	1.009	1.003
144	CCB1	.0071	.0005	-.2578	.0002	-.0021	.0009
145	0406C18-002ADL	.4998	.0368	1.599	.0078	-.0010	.0001
146	0406C18-002APDS	11.27	1.096	15.79	1.008	.9988	.9995
147	ICSA	240.5	.0039	-.1754	.0012	-.0734	.0372
148	ICSAB	241.7	.4660	5.335	.4477	.3846	.4925
149	CCV2	19.79	1.955	21.86	1.955	1.976	1.951
150	CCB2	.0259	.0008	-.0208	.0095	-.0011	.0007

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
1	STD1-BLANK	.04149	-.24298	.04999	-.03949	.01599	.01199
2	ICAL	5.9882	25.4817	15.7412	2.92385	5.43772	14.9367
3	ICAL2	12.0414	51.7409	31.4509	6.04519	10.8469	29.935
4	CKSTD	.9896	.9870	.9972	.9973	.9871	.9872
5	ICV	.5021	.5045	.5088	.5094	.5026	.5013
6	ICB	-.0021	.0016	.0023	.0044	.0067	.0004
7	CRI	.0101	.0129	.0111	.0090	.0108	.0097
8	CRI2	.1018	.1019	.1010	.1001	.1035	.1010
9	ICSA	-.0016	-.0031	-.0048	.0046	.0068	.0001
10	ICSAB	.4713	.4829	.4830	.4751	.4607	.4665
11	CCV	.9905	.9868	.9868	.9979	.9883	.9893
12	CCB	.0003	.0004	-.0015	.0010	.0147	.0001
~~13~~	~~LCS-46946~~	~~-.0015~~	~~-.0035~~	~~.0020~~	~~.0031~~	~~-.0013~~	~~-.0001~~
14	LCS-46946	1.034	1.046	1.025	1.054	1.042	1.058
15	0406174-028C	-.0034	-.0010	.0030	.0010	.0282	.0001
16	0406174-029C	-.0027	.0002	.0073	-.0003	.0210	.0046
17	0406174-030C	-.0002	.0037	.0011	-.0037	.0028	.0011
18	ICSA	-.0031	-.0073	-.0044	.0080	.0064	-.0007
19	ICSAB	.4802	.4872	.4843	.4867	.4704	.4746
20	CCV1	1.016	1.027	1.019	1.023	1.012	1.006
21	CCB1	-.0015	-.0019	.0040	.0014	.0002	.0003
22	LCS-47050	1.013	.9906	.9969	1.047	1.038	1.065
23	MB-47050	-.0012	-.0061	.0054	-.0038	-.0003	.0002

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
24	0406B33-003B	.0057	-.0058	-.0003	-.0015	2.158	.2008
25	0406B33-003BDUP	.0221	-.0071	.0030	.0007	1.763	.1684
26	0406B33-003BMS	.9598	.9035	.9097	.9638	5.434	1.173
27	0406C14-001C	-.0021	-.0034	.0057	.0012	.0201	.0013
28	0406C14-002C	.0006	-.0070	.0042	.0005	.0750	.0143
29	0406C14-003C	-.0001	-.0060	.0010	.0004	.0387	-.0004
30	0406B33-003BDL	-.0016	-.0077	.0022	-.0029	.4613	.0410
31	0406B33-003BPDS	4.862	4.769	4.756	4.784	5.771	4.835
32	ICSA	-.0041	-.0073	-.0049	.0095	.0082	.0012
33	ICSAB	.4812	.4903	.4898	.4885	.4705	.4742
34	CCV2	1.993	2.043	2.012	2.033	2.000	1.996
35	CCB2	-.0000	-.0014	-.0008	.0023	.0171	.0005
36	CCV	1.024	1.018	1.024	1.039	1.023	1.017
37	CCB	-.0001	.0097	.0011	.0001	.0016	.0004
38	LCS-47097	1.031	1.066	1.069	1.049	1.052	1.042
39	MB-47097	.0033	.0056	.0018	.0028	.0048	.0004
40	0406C40-003A	-.0011	.0011	.0030	.0031	.0621	.0004
41	0406C40-003ADUP	-.0032	.0012	.0042	-.0034	.0678	.0001
42	0406C40-003AMS	1.018	1.032	1.040	1.025	1.083	1.033
43	0406B27-001A	.0005	.0016	.0035	.0019	.0121	.0118
44	0406C46-013A	.0007	.0017	.0039	-.0044	.0506	.0003
45	0406C40-003ADL	-.0024	-.0027	.0011	-.0028	.0245	-.0000
46	0406C40-003APDS	1.013	1.051	1.037	1.029	1.052	1.012
47	CCV	1.023	1.013	1.032	1.030	1.024	1.024
48	CCB	.0013	.0036	.0047	.0020	.0016	-.0001
49	LCS-47096	.9859	.9713	.9724	1.023	1.015	1.061
50	MB-47096	.0042	-.0030	.0031	-.0010	.0005	.0005
51	0406C46-001A	-.0001	-.0162	-.0056	.0323	.2349	.5795
52	0406C46-001ADUP	-.0053	-.0144	-.0049	.0171	.2103	.5523
53	0406C46-001AMS	.6641	.9036	.9187	1.006	1.185	1.548
54	0406C46-002A	-.0032	-.0140	-.0041	.0185	.2079	.4675
55	0406C46-003A	-.0017	-.0222	-.0025	.0181	.2848	.4528
56	0406C46-004A	-.0019	-.0239	.0071	.0181	.1892	.4650
57	0406C46-005A	.0001	-.0079	.0017	.0246	.1742	.5067
58	0406C46-006A	-.0008	-.0194	-.0041	.0194	.3759	.4331
59	CCV1	1.041	1.038	1.041	1.038	1.026	1.036
60	CCB1	-.0004	.0008	.0058	-.0016	.0004	-.0002
61	0406C46-007A	.0047	-.0174	.0051	.0116	.2949	.2441
62	0406C46-008A	-.0052	-.0246	.0001	.0171	.3118	.3127
63	0406C46-009A	-.0015	-.0184	.0067	.0016	.1344	.1510
64	0406C46-010A	-.0012	-.0185	.0065	.0071	.2380	.1806
65	0406C46-011A	-.0055	-.0116	.0042	.0168	.2602	.4486
66	0406C46-012A	-.0056	-.0182	-.0014	.0139	.2431	.5258
67	0406C46-001ADL	-.0021	-.0048	.0004	.0045	.0623	.1225
68	0406C46-001APDS	4.783	4.685	4.704	4.700	4.688	4.954
69	ICSA	-.0005	.0007	-.0039	.0075	.0077	.0013
70	ICSAB	.4761	.4797	.4858	.4841	.4638	.4709
71	CCV2	1.985	2.011	1.996	2.005	1.969	1.992
72	CCB2	.0005	.0045	.0013	.0011	.0171	.0009
73	LCS-47093	.1120	-.0035	.0095	-.0005	11.72	.0018
74	MB-47093	-.0002	-.0093	.0034	-.0038	.0504	.0000
75	0406C51-003A	.0016	-.0030	.0001	-.0006	3.170	.0036
76	0406C51-003CDUP	.0005	.0028	.0023	-.0038	3.044	.0033
77	0406C51-003CMS	.0008	-.0048	.0017	-.0037	3.004	.0040

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
78	0406C51-001A	-.0022	-.0067	.0075	-.0043	.3515	.0010
79	0406C51-002A	-.0001	-.0065	.0033	-.0072	2.560	.0057
80	0406C51-004A	-.0030	-.0049	.0021	-.0067	10.28	-.0003
81	0406C51-005A	-.0002	-.0080	.0051	-.0007	1.144	-.0002
82	0406C51-006A	.8012	-.0070	.0064	.0008	.1688	.0042
83	CCV1	1.013	1.005	.9962	1.009	1.005	1.007
84	CCB1	-.0007	-.0004	.0061	-.0001	.0003	.0004
85	0406C02-001A	-.0020	-.0051	.0041	-.0039	3.449	.0003
86	0406C51-007A	-.0023	-.0091	.0093	.0004	3.457	.0002
87	0406C02-001A	-.0015	-.0069	-.0001	-.0034	1.592	.0093
88	0406C25-001A	.0800	-.0043	.0080	-.0040	11.81	.0032
89	0406C35-002A	.0497	-.0068	.0010	.0045	46.08	.0079
90	ICSA	-.1150	-.1710	.0963	.0069	.0118	.0005
91	ICSAB	.4755	.4804	.4812	.4797	.4670	.4724
92	CCV2	2.012	2.030	2.023	2.026	1.992	2.022
93	CCB2	-.0010	.0055	.0001	.0029	.0177	.0005
94	LCS-47097	-.0028	.0063	.0046	.0014	-.0011	-.0002
95	MB-47097	-.0052	-.0048	.0046	.0063	-.0012	.0001
96	LCS-47098	1.017	1.017	1.012	1.013	.9982	1.035
97	MB-47098	.0003	-.0013	.0030	.0020	.0002	.0002
98	0406C37-006C	-.0024	-.0019	.0021	-.0007	.0608	-.0006
99	0406C37-006CDUP	.0007	.0030	-.0011	-.0010	.0425	-.0001
100	0406C37-006CMS	1.020	1.004	1.004	1.012	1.048	1.040
101	0406B71-001E	.0008	.0025	.0031	.0000	.1181	-.0001
102	0406C17-001A	-.0008	.0005	.0065	-.0005	.1941	-.0008
103	0406C37-006CDL	-.0030	.0011	.0051	-.0002	.0204	-.0001
104	0406C37-006CPDS	1.015	1.021	1.015	1.023	1.027	1.019
105	ICSA	-.0047	-.0090	-.0007	.0157	.0105	.0006
106	ICSAB	.4715	.4775	.4771	.4755	.4556	.4676
107	CCV1	1.017	1.019	1.003	1.002	.9950	1.005
108	CCB1	-.0005	-.0003	.0014	.0015	.0008	-.0003
109	LC-47121	.0829	.0034	.0051	.0013	12.00	.0011
110	MB-47121	-.0009	-.0042	.0013	.0010	.0097	.0001
111	0406C87-001A	-.0011	-.0009	.0022	-.0009	2.054	.0101
112	0406C87-002A	-.0009	.0045	.0009	.0044	2.769	.0154
113	0406C87-003A	-.0006	.0005	.0033	-.0003	40.76	.0071
114	0406C87-004A	-.0004	-.0043	.0035	.0014	9.432	.0057
115	0406C87-005A	.0012	-.0051	.0062	-.0023	24.34	.0026
116	0406C87-006A	-.0010	-.0008	.0032	-.0038	13.53	.0019
117	LCS-47099	1.026	1.022	1.019	1.026	1.033	1.050
118	MB-47099	-.0008	.0009	.0063	.0021	.0024	.0004
119	CCV2	2.018	2.036	2.051	2.028	2.004	2.012
120	CCB2	-.0035	-.0026	.0049	.0029	.0123	.0003
121	0406C18-002A	.0031	.0013	.0035	-.0001	.0902	.0018
122	0406C18-002ADUP	1.021	1.014	1.003	1.018	1.105	1.042
123	0406C18-002AMS	.0170	.0017	.0041	.0006	.3515	.0219
124	0406C18-001A	.0112	.0007	.0036	.0007	.3325	.0226
125	0406C18-003A	-.0024	.0018	.0057	.0039	.0777	.0729
126	0406C18-004A	.0007	.0011	.0039	-.0010	.0897	.0016
127	0406B66-001A	-.0003	.0423	.0417	.0001	.2663	.0421
128	0406C39-027A	-.0038	-.0010	.0002	-.0003	.0222	.0108
129	0406C39-028A	-.0016	.0070	.0002	-.0034	.0079	.0084
130	0406C39-029A	-.0034	-.0032	.0024	-.0005	.0160	.0174
131	CCV	1.013	.9927	.9920	1.007	.9930	.9997

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
132	CCB	-.0002	.0030	.0001	.0021	.0016	.0001
133	0406C39-030A	-.0003	.0030	.0027	-.0003	.0086	.0123
134	0406C39-031A	-.0031	.0020	.0006	-.0004	.0161	.0157
135	0406C39-032A	-.0023	-.0010	.0031	-.0006	.0309	.0022
136	0406C39-033A	.0001	.0017	.0019	-.0009	.0449	.0096
137	0406B96-001A	-.0009	-.0058	-.0053	-.0006	.0104	.0004
138	0406C18-001B	.0013	-.0004	.0027	.0039	.0672	.0003
139	0406C18-002B	.0032	.0090	-.0032	.0016	.0905	-.0004
140	0406C18-003B	.0013	-.0009	.0055	.0009	.0524	.0001
141	0406C18-004B	.0004	.0017	.0024	.0058	.0064	.0006
142	0406C39-034A	-.0049	-.0014	-.0009	-.0047	.0212	.0093
143	CCV1	1.032	1.038	1.032	1.026	1.017	1.017
144	CCB1	-.0033	.0003	.0030	.0018	.0008	.0002
145	0406C18-002ADL	.0004	.0043	.0003	-.0006	.0293	-.0002
146	0406C18-002APDS	1.017	1.018	1.017	1.021	1.055	1.021
147	ICSA	-.0068	-.0007	-.0081	.0079	.0102	-.0000
148	ICSAB	.4859	.4937	.4902	.4951	.4698	.4728
149	CCV2	2.000	2.027	2.016	2.034	1.998	1.994
150	CCB2	-.0010	.0027	.0023	-.0021	.0129	.0007

#	Sample Name	Sn	Mo	Ti	Pb	Se
1	STD1-BLANK	.09399	.00799	.26048		
2	ICAL	29.9165	4.25328	71.7749		
3	ICAL2	59.1755	8.58257	144.23		
4	CKSTD	.9752	0.9928	.9917	.98604	.99380
5	ICV	.5054	.5083	.4998	.49993	.50737
6	ICB	-.0005	-.0002	-.0004	.00054	.00207
7	CRI	.0108	.0113	.0062	.01004	.01171
8	CRI2	.1005	.1052	.0961	.10286	.10130
9	ICSA	.0009	.0002	-.0057	-.00226	-.00422
10	ICSAB	.4660	.4717	.4588	.45188	.48296
11	CCV	.9768	.9906	.9892	.97923	.98680
12	CCB	-.0012	.0012	-.0035	-.00056	-.00084
13	LCS-46946	-.0011	.0004	-.0010	.00024	.00016
14	LCS-46946	.9953	1.014	1.045	1.0150	1.0320
15	0406174-028C	.0009	-.0005	-.0026	.00108	.00165
16	0406174-029C	.0001	-.0012	-.0001	-.00029	.00491
17	0406174-030C	.0008	-.0010	-.0009	.00118	.00196
18	ICSA	-.0009	-.0022	-.0078	-.00278	-.00533
19	ICSAB	.4737	.4782	.4670	.45338	.48525
20	CCV1	.9916	1.002	.9990	1.0029	1.0219
21	CCB1	.0016	-.0036	-.0023	.00065	.00201
22	LCS-47050	1.011	1.044	1.062	1.0027	.99479
23	MB-47050	.0017	.0007	-.0017	.00107	.00154
24	0406B33-003B	.0605	.1979	.6756	.72591	-.00214
25	0406B33-003BDUP	.0669	.1460	.5736	.62431	-.00039
26	0406B33-003BMS	1.039	1.231	2.715	1.6281	.90760
27	0406C14-001C	.0105	.0019	.0476	.03824	.00266
28	0406C14-002C	.0018	.0022	.4510	.01316	.00049
29	0406C14-003C	.0100	.0032	.0010	.00711	-.00135
30	0406B33-003BDL	.0124	.0414	.1364	.15135	-.00106
31	0406B33-003BPDS	4.859	4.826	5.016	4.9238	4.7600

#	Sample Name	Sn	Mo	Ti	Pb	Se
32	ICSA	.0040	.0002	-.0041	.00071	-.00568
33	ICSAB	.4710	.4770	.4585	.45511	.48994
34	CCV2	1.983	2.001	1.963	1.9583	2.0234
35	CCB2	-.0005	.0014	-.0030	.00024	.00098
36	CCV	.9975	1.012	1.001	1.0043	1.0219
37	CCB	.0016	-.0004	-.0016	-.00130	.00398
38	LCS-47097	.9965	1.024	1.019	.99535	1.0682
39	MB-47097	.0004	.0027	-.0015	.00236	.00306
40	0406C40-003A	.0012	.0017	.0064	-.00015	.00234
41	0406C40-003ADUP	.0007	-.0021	.0055	.00064	.00317
42	0406C40-003AMS	.9759	1.010	1.014	.98565	1.0373
43	0406B27-001A	.0011	.0060	-.0019	.00074	.00286
44	0406C46-013A	-.0002	.0014	-.0037	.01706	.00315
45	0406C40-003ADL	.0007	.0002	.0003	.00030	-.00016
46	0406C40-003APDS	.9945	1.022	1.002	1.0015	1.0416
47	CCV	1.002	1.029	1.015	1.0087	1.0258
48	CCB	.0001	.0012	-.0036	-.00039	.00431
49	LCS-47096	.9474	.9942	1.009	.99493	.97201
50	MB-47096	.0080	.0014	-.0023	.00130	.00107
51	0406C46-001A	.0388	.0358	2.527	.31999	-.00910
52	0406C46-001ADUP	.0338	.0370	2.104	.31596	-.00801
53	0406C46-001AMS	.9407	.9228	2.701	1.2539	.91371
54	0406C46-002A	.0297	.0313	2.301	.20339	-.00741
55	0406C46-003A	.0285	.0308	1.931	.86163	-.00904
56	0406C46-004A	.0316	.0248	1.816	.26684	-.00325
57	0406C46-005A	.0302	.0306	1.699	.26588	-.00147
58	0406C46-006A	.0273	.0334	2.475	1.3238	-.00919
59	CCV1	1.016	1.046	1.030	1.0280	1.0398
60	CCB1	-.0008	.0034	-.0048	-.00216	.00415
61	0406C46-007A	.0220	.0249	1.818	2.7298	-.00239
62	0406C46-008A	.0213	.0278	1.891	1.3544	-.00810
63	0406C46-009A	.0142	.0109	1.387	.27561	-.00164
64	0406C46-010A	.0253	.0167	2.302	.26665	-.00183
65	0406C46-011A	.0322	.0323	2.654	.35099	-.00101
66	0406C46-012A	.0295	.0326	2.337	.64380	-.00698
67	0406C46-001ADL	.0078	.0064	.5363	.07048	-.00131
68	0406C46-001APDS	4.768	4.747	5.902	4.6908	4.6975
69	ICSA	.0026	.0022	-.0043	.00070	-.00236
70	ICSAB	.4685	.4808	.4618	.45849	.48374
71	CCV2	1.960	2.032	1.972	1.9692	2.0012
72	CCB2	.0004	-.0011	-.0023	.00013	.00235
73	LCS-47093	.0517	.0665	.5154	14.535	.00519
74	MB-47093	.0060	.0030	.0002	.00934	-.00084
75	0406C51-003A	.0241	.0014	3.359	.50691	-.00090
76	0406C51-003CDUP	.0215	.0053	3.388	.51967	.00244
77	0406C51-003CMS	.0240	.0011	3.298	9.8175	-.00046
78	0406C51-001A	.0148	-.0003	1.018	.01974	.00277
79	0406C51-002A	.0123	.0076	4.087	.09771	.00005
80	0406C51-004A	.0066	.0542	2.028	.02961	-.00022
81	0406C51-005A	.0179	.0515	2.828	.07450	.00075
82	0406C51-006A	.0350	.1931	1.492	56.922	.00189
83	CCV1	.9877	1.023	.9921	1.0229	.99910
84	CCB1	.0013	.0009	-.0003	.00416	.00390
85	0406C02-001A	.0102	.1619	1.898	.08172	.00103

#	Sample Name	Sn	Mo	Ti	Pb	Se	
86	0406C51-007A	.0236	.1550	1.946	.07766	.00318	
87	0406C02-001A	.0387	.0028	.7365	.01138	-.00237	
88	0406C25-001A	.0124	.0045	1.826	4.7596	.00387	
89	0406C35-002A	.0563	.0054	2.912	9.5429	-.00157	
90	ICSA	.0040	-.0173	.0019	.01615	.00725	
91	ICSAB	.4622	.4829	.4558	.45256	.48089	
92	CCV2	1.969	2.034	1.982	1.9786	2.0251	
93	CCB2	.0012	.0011	-.0048	.00129	.00187	
94	LCS-47097	-.0009	-.0006	-.0011	-.00069	.00100	CCV 6-28-4
95	MB-47097	.0000	-.0019	.0001	.00000	.00147	
96	LCS-47098	.9727	1.025	1.016	.99377	1.0133	
97	MB-47098	.0008	.0011	-.0024	-.00021	.00154	
98	0406C37-006C	-.0009	.0006	-.0025	.00316	.00078	
99	0406C37-006CDUP	.0004	-.0021	-.0008	.00140	.00024	
100	0406C37-006CMS	.9877	1.042	1.028	.98797	1.0038	
101	0406B71-001E	.0008	.0138	.0089	.00055	.00288	
102	0406C17-001A	.0052	.0096	.0219	.00271	.00451	
103	0406C37-006CDL	-.0004	.0019	-.0016	-.00042	.00376	
104	0406C37-006CPDS	.9882	1.025	.9894	1.0027	1.0168	
105	ICSA	.0020	-.0002	-.0023	-.00040	-.00347	
106	ICSAB	.4583	.4705	.4490	.44749	.47720	
107	CCV1	.9770	1.017	.9760	.99860	1.0086	
108	CCB1	.0012	-.0008	-.0055	.00043	.00083	
109	LC-47121	.0376	.0679	.3222	15.051	.00455	
110	MB-47121	.0037	.0006	.0009	.00637	-.00049	
111	0406C87-001A	.0213	.0084	.6575	.59041	.00116	
112	0406C87-002A	.0379	.0532	.7018	1.7018	.00211	
113	0406C87-003A	.0518	.0009	.7864	7.3036	.00239	
114	0406C87-004A	.0352	.0007	1.369	.21861	.00092	
115	0406C87-005A	.0578	-.0010	1.518	.03647	.00240	
116	0406C87-006A	.0286	-.0004	2.309	.10477	.00185	
117	LCS-47099	.9910	1.032	1.034	1.0085	1.0200	
118	MB-47099	.0011	.0040	-.0000	-.00057	.00451	
119	CCV2	1.975	2.031	1.960	1.9862	2.0461	
120	CCB2	-.0000	.0013	-.0036	.00042	.00238	
121	0406C18-002A DUP	.0007	.0006	.0534	.00141	.00276	
122	0406C18-002A~~DUP/MS~~	.9922	1.027	1.083	.99113	1.0067	6x-cnts CCV c.28-4
123	0406C18-~~002AMS~~ 1A	.0133	.0010	1.023	.01309	.00326	
124	0406C18-~~001A~~ 3A	.0027	.0053	1.094	.01393	.00265	
125	0406C18-~~003A~~ 4A	.0046	.0014	.8594	.02377	.00442	
126	0406C18-~~004A~~ 2A	-.0001	-.0002	.0553	.00062	.00298	
127	0406B66-001A	.0143	.0050	.7969	.05674	.04186	
128	0406C39-027A	.0045	.0011	.1796	.00404	-.00016	
129	0406C39-028A	-.0005	-.0007	.2737	.00376	.00244	
130	0406C39-029A	.0005	.0036	.5167	.00424	.00053	
131	CCV	.9812	1.001	.9775	.98187	.99225	
132	CCB	.0008	.0023	-.0015	-.00038	.00108	
133	0406C39-030A	.0005	.0011	.2914	.00245	.00280	
134	0406C39-031A	.0006	-.0024	.4393	.00404	.00106	
135	0406C39-032A	-.0001	.0073	.0167	.00033	.00173	
136	0406C39-033A	.0014	.0026	.1578	.00048	.00178	
137	0406B96-001A	.0013	.0000	-.0032	.00425	-.00549	
138	0406C18-001B	.0015	.0016	.0042	-.00105	.00166	
139	0406C18-002B	-.0026	.0001	.0073	-.00014	.00086	

#	Sample Name	Sn	Mo	Ti	Pb	Se	
140	0406C18-003B	-.0003	.0039	.0034	-.00041	.00333	
141	0406C18-004B	-.0001	-.0001	.0121	-.00136	.00215	
142	0406C39-034A	-.0000	.0017	.1795	.00125	-.00108	
143	CCV1	.9967	1.021	.9887	1.0050	1.0342	
144	CCB1	.0008	.0012	-.0028	-.00013	.00206	
145	0406C18-002ADL	.0013	.0005	.0059	-.00024	.00162	
146	0406C18-002APDS	.9956	1.021	1.021	.99931	1.0177	
147	ICSA	.0017	.0011	-.0061	.00038	-.00566	
148	ICSAB	.4692	.4761	.4528	.45658	.49136	
149	CCV2	1.980	2.011	1.946	1.9593	2.0194	
150	CCB2	.0006	.0018	-.0015	.00006	.00244	

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 10:00:00**
Prep End Date: **6/24/2004 10:45:00**

Prep Batch **47067** Prep Code: **7471A_X_P** Technician: **Bridgette Blasinga**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003B	Waste		0.0050516	0	0	50	9897.854	6/24/2004	6/24/2004
0406B33-003BMS	Waste		0.0051358	0	0	50	9735.582	6/24/2004	6/24/2004
0406B33-003BMSD	Waste		0.0050024	0	0	50	9995.202	6/24/2004	6/24/2004
0406B33-003BPDS	Waste		0.0050516	0	0	50	9897.854	6/24/2004	6/24/2004
LCS-47067			0.005	0	0	50	10000.000	6/24/2004	6/24/2004
MB-47067			0.005	0	0	50	10000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID **MB-47067**	SampType: **MBLK**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007647**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.0100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID **LCS-47067**	SampType: **LCS**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007648**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.04237	0.0100	0.04	0	106	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID	**0406B33-003BMS**	SampType:	**MS**	TestCode:	**7471A_X**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52531**
Client ID:	**JW-WA-03**	Batch ID:	**47067**	TestNo:	**SW7471A**			Analysis Date:	**6/24/2004**	SeqNo:	**1007652**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.05924	0.00974	0.04868	0.02134	77.9	70	130	0	0		

Sample ID	**0406B33-003BMSD**	SampType:	**MSD**	TestCode:	**7471A_X**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52531**
Client ID:	**JW-WA-03**	Batch ID:	**47067**	TestNo:	**SW7471A**			Analysis Date:	**6/24/2004**	SeqNo:	**1007653**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.03865	0.0100	0.04998	0.02134	34.6	70	130	0.05924	42.1	30	SR

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID **0406B33-003BPDS**	SampType: **PDS**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52531**				
Client ID: **JW-WA-03**	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007655**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1098	0.0198	0.09898	0.02134	89.3	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7471A**

Sample ID **ICB**	SampType: **ICB**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **R52531**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Sample ID **ICV 5.0 PPB**	SampType: **ICV**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **R52531**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4995	0.100	0.5	0	99.9	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47067

Sample ID: **CCV 2.0 PPB**	SampType: **CCV**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2244	0.100	0.2	0	112	80	120	0	0		

Sample ID: **CCV 5.0 PPB**	SampType: **CCV**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.5033	0.100	0.5	0	101	80	120	0	0		

Sample ID: **CCV 2.0 PPB**	SampType: **CCV**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007657**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2238	0.100	0.2	0	112	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47067

Sample ID: **CCB**	SampType: **CCB**	TestCode: **7471A_S**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Sample ID: **CCB**	SampType: **CCB**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007651**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Sample ID: **CCB**	SampType: **CCB**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52531**
Client ID:	Batch ID: **47067**	TestNo: **SW7471A**		Analysis Date: **6/24/2004**	SeqNo: **1007659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

AES MERCURY PREPARATION / ANALYSIS LOG BOOK

Logbook ID: MET-197

EPA 245.1, SW-846 7470A & 7471A

AES Batch #: 47067

AES Run #: 82531

Instrument: Varian FAA / VGA 77 / FIMS

Prep Date: 6/24/04 Prepped By: BB

Analysis Date: 6/24/04 Analyst: BB

No #	Sample ID	100ug/L Spike Vol (ml)	Initial Vol/Wt (ml or g)	Final Vol/Wt (ml or g)	Post Digestion D.F.	Matrix	Comments
	ICAL Blank	0	--	50	--		
	ICAL Std 0.16ug/L	0.08	--	50	--		
	ICAL Std 0.5ug/L	0.25	--	50	--		
	ICAL Std 1.0ug/L	0.5	--	50	--		
	ICAL Std 2.0ug/L	1	--	50	--		
	ICAL Std 5.0ug/L	2.5	--	50	--		
	ICAL Std 10.0ug/L	5	--	50	--		
	ICB	0	--	50	--		
	ICV	2.5	--	50	--		
	MB	0 BB	~~40ml/0.5g~~	50	--	Sand	5.0234
	LCS	2 6/24/04	~~40ml/0.5g~~	50	--	Sand	5.0466
1	0406B33-003B	--	5.0516	50		waste	
2	BB -003B MS	2	5.1358	50			
3	6/24/04 -003B MSD	2	5.0024	50		BB 6/24/04	
4	-003B PDS	5	5.0516	50	2		
5		--		50			
6		--		50			
7		--		50			
8		--		50			
9		--		50			
10		--		50			
11		--		50			
12		--		50			
13		--		50			
14		--		50			
15		--		50			
16		--		50			
17		--		50			
18		--		50			
19		--		50			
20		--		50			
21		--		50			
22		--		50			
23		--		50			

BB 6/24/04

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Hot-block Temp.: 95°C

Time on: 10:15 Time off: 10:45

Thermometer ID: T1023

Thermometer Calibration Exp. Date: 6/14/05

Standards and Reagents

ICAL/CCV/PDS ID# Met-186-90

ICV/LCS/MS ID# Met-186-91

H2SO4 ID# 8580

HNO3 ID# 8620

HCl ID# 8619

KMnO4 ID# Met-184-28

K2S2O8 ID# Met-184-64

Hyd. Hdr. Cl. ID# Met-184-41

Stan. Chloride ID# Met-184-40

Reviewed By: CAW

Date: 6-24-04

Analyst	BB
Date Started	9:56 AM 6/24/04
Worksheet	Hg 6/24/2004 A
Comment	7471A
Methods	Hg

HI

Nominal Weight = 100.000 Nominal Volume = 100.00

Method: Hg H2O (Vapor)

Sampling Mode:	AutoMix
Calibration Mode:	Concentration
Measurement Mode:	Integrate
Replicates Standard:	3
Replicates Sample:	3
Expansion Factor:	1.0
Minimum Reading:	Disabled
Smoothing:	5 point
Conc. Dec. Places:	4
Wavelength:	253.7 nm
Slit Width:	0.5 nm
Gain:	47 %
Lamp Current:	4.0 mA
Lamp Position:	2
Background Correction:	BC On
STANDARD 1:	0.1600 PPB
STANDARD 2:	0.5000 PPB
STANDARD 3:	1.0000 PPB
STANDARD 4:	2.0000 PPB
STANDARD 5:	5.0000 PPB
STANDARD 6:	10.0000 PPB
Reslope Rate:	0
Reslope Lower Limit:	75.0 %
Reslope Upper Limit:	125.0 %
Recalibration Rate:	0
Calibration Algorithm:	New Rational
Cal. Lower Limit:	20.0 %
Cal. Upper Limit:	150.0 %
Measurement Time:	5.0 s
Pre-Read Delay:	70 s
Vapor Type:	Cold Vapor
Burner Height:	0.0 mm
Probe Height:	3 mm
Rinse Rate:	1
Rinse Time:	30 s
CAL ZEROPos:	1
STANDARD 1Pos:	2
STANDARD 2Pos:	3
STANDARD 3Pos:	4
STANDARD 4Pos:	5
STANDARD 5Pos:	6
STANDARD 6Pos:	7
Cor. Coeff. Limit:	0.9950
Inst. Detection Limit:	0.0100 PPB
Reqd. Detection Limit:	0.1600 PPB

Re-printed CDW 6-30-04

Sample ID	Conc PPB	%RSD	Mean Abs	BG Abs	Weight	Volume	Readings		
CAL ZERO	0.0000	>100	0.0001	0.0002	100.000	100.00	-0.0001	-0.0001	0.0003
STANDARD 1	0.1600	10.4	0.0022	0.0005	100.000	100.00	0.0022	0.0024	0.0019
STANDARD 2	0.5000	0.8	0.0072	0.0007	100.000	100.00	0.0073	0.0073	0.0072
STANDARD 3	1.0000	0.8	0.0147	0.0013	100.000	100.00	0.0146	0.0148	0.0147
STANDARD 4	2.0000	0.7	0.0304	0.0016	100.000	100.00	0.0304	0.0302	0.0306
STANDARD 5	5.0000	0.5	0.0779	0.0023	100.000	100.00	0.0775	0.0779	0.0784
STANDARD 6	10.0000	0.3	0.1606	0.0035	100.000	100.00	0.1602	0.1605	0.1611
	Curve Fit	= New Rational							
	Characteristic Conc	= 0.3146 PPB							
	ChiSq	= 0.0007							
	Calculated Conc	= 0.0052 0.1554 0.5127 1.0228 2.0418 4.8933							
	Residuals	= -0.0052 0.0046 -0.0127 -0.0228 -0.0418 0.1067							
ICV 5.0 ppb	4.9948	0.3	0.0797	0.0026	100.000	100.00	0.0794	0.0799	0.0797
	W0258: Sample concentration < IDL								
ICB	<0.0100U	15.8	-0.0008	0.0000	100.000	100.00	-0.0008	-0.0009	-0.0006
CRA 0.5ppb	0.4901	1.8	0.0069	0.0003	100.000	100.00	0.0070	0.0068	0.0070
	W0258: Sample concentration < IDL								
MB-47062	<0.0100U	19.6	-0.0007	0.0001	100.000	100.00	-0.0008	-0.0008	-0.0006
LCS-47062	4.0049	0.1	0.0628	0.0009	100.000	100.00	0.0627	0.0628	0.0627
	W0258: Sample concentration < IDL								
0406B60-001B	<0.0100U	98.2	-0.0002	0.0001	100.000	100.00	-0.0004	-0.0002	-0.0000
0406B60-001BMS	3.7568	0.2	0.0586	0.0010	100.000	100.00	0.0585	0.0587	0.0585
0406B60-001BMSI	3.8443	0.3	0.0600	0.0010	100.000	100.00	0.0599	0.0601	0.0602
0406B60-001BPDS	4.8315	0.4	0.0769	0.0009	100.000	100.00	0.0766	0.0771	0.0769
0406B60-002B	0.5260	1.6	0.0074	-0.0004	100.000	100.00	0.0075	0.0074	0.0073
	W0258: Sample concentration < IDL								
0406B60-003B	<0.0100U	8.6	-0.0002	-0.0009	100.000	100.00	-0.0002	-0.0002	-0.0002
0406949-001A	5.5680	0.4	0.0895	0.0003	100.000	100.00	0.0891	0.0895	0.0899
CCV 2.0 ppb	2.0245	0.7	0.0301	0.0002	100.000	100.00	0.0300	0.0299	0.0303
	W0258: Sample concentration < IDL								
CCB	<0.0100U	15.6	-0.0025	0.0000	100.000	100.00	-0.0029	-0.0025	-0.0021
	W0545: Sample result OVER the calibration range								
~~0406949-013A~~	~~OVER~~	0.0	0.8354	0.0068	100.000	100.00	0.8354		
0406849-013A 20	3.0319	0.6	0.0464	0.0001	100.000	100.00	0.0461	0.0466	0.0466
CCV 2.0	2.2442	1.2	0.0336	0.0001	100.000	100.00	0.0337	0.0331	0.0339
	W0258: Sample concentration < IDL								
CCB	<0.0100U	>100	0.0001	-0.0001	100.000	100.00	-0.0001	0.0003	0.0002
0406A24-001A	3.3966	0.9	0.0525	0.0009	100.000	100.00	0.0520	0.0526	0.0529
0406A24-002A	4.9041	0.5	0.0781	0.0012	100.000	100.00	0.0777	0.0782	0.0785
0406A24-003A	1.4233	3.2	0.0207	0.0008	100.000	100.00	0.0200	0.0208	0.0214
0406B54-002B	0.8379	1.0	0.0120	0.0008	100.000	100.00	0.0121	0.0120	0.0118
0406B68-009A	2.1933	2.1	0.0328	0.0009	100.000	100.00	0.0320	0.0332	0.0331
0406B68-010A	2.1276	1.3	0.0317	0.0004	100.000	100.00	0.0313	0.0321	0.0318
	W0231: Sample concentration betw een IDL and RDL								
MB-47067	0.1300B	17.3	0.0018	-0.0000	100.000	100.00	0.0017	0.0016	0.0022
LCS-47067	4.2374	1.2	0.0667	0.0003	100.000	100.00	0.0658	0.0672	0.0671
0406B33-003B	2.1563	0.9	0.0322	0.0002	100.000	100.00	0.0321	0.0320	0.0325
CCV 5.0 ppb	5.0328	0.4	0.0803	0.0004	100.000	100.00	0.0800	0.0804	0.0806
	W0258: Sample concentration < IDL								
CCB	<0.0100U	28.4	-0.0004	-0.0001	100.000	100.00	-0.0004	-0.0003	-0.0005
0406B33-003BMS	6.0848	0.7	0.0983	0.0016	100.000	100.00	0.0975	0.0985	0.0988
0406B33-003BMSI	3.8670	0.2	0.0604	0.0014	100.000	100.00	0.0603	0.0603	0.0606
0406B33-003BPDS	5.5454	0.3	0.0891	0.0005	100.000	100.00	0.0889	0.0890	0.0894
CCV 2.0	2.2381	0.7	0.0335	-0.0002	100.000	100.00	0.0333	0.0337	0.0335
	W0258: Sample concentration < IDL								

CDW 6-30-04

Sample ID	Conc PPB	%RSD	Mean Abs	BG Abs	Weight	Volume	Readings		
CCB	<0.0100U	25.3	-0.0011	0.0003	100.000	100.00	-0.0009	-0.0014	-0.0009

Solution	Conc	Flag	Test and Action
QC STANDARD	5.0000	Q	If outside -80 .. +120, Flag and Continue
QC BLANK		Z	If outside -0.2000 .. +0.2000, Flag and Continue

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9040B

Sample ID **LCS-R52521**	SampType: **LCS**	TestCode: **9040B**	Units: **pH Units**	Prep Date:	RunNo: **52521**
Client ID:	Batch ID: **R52521**	TestNo: **SW9040B**		Analysis Date: **6/23/2004**	SeqNo: **1007413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.05	0.0100	7	0	101	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9040B

Sample ID **0406A80-001B DUP**	SampType: **DUP**	TestCode: **9040B**	Units: **pH Units**	Prep Date:	RunNo: **52521**
Client ID:	Batch ID: **R52521**	TestNo: **SW9040B**		Analysis Date: **6/23/2004**	SeqNo: **1007418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.31	0.0100	0	0	0	0	0	6.28	0.477	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

pH OF AQUEOUS, SOLID, AND WASTE SAMPLES

ELECTROMETRIC ANALYTICAL RUN LOG

EPA Methods 150.1, 9040B, 9045C, & 9041A (pH Paper)

AES Methods GL - 08067 & GL - 08068

Document ID: IN-357

AES, Inc.
3785 Presidential Pkwy
Atlanta GA 30340

Batch No.: R52521

INSTRUMENT RUN ID: ORION-1 040623B

Slope: 99.4%

MDL=N/A

Analyzed by: DS

Start Date/Time: 6/23/04 10:50AM

End Date/Time: 6/23/04 1735

AES JOB #	AES LAB #	Sample Amt. (mL/grams)	Contact Time (Minutes)	Settling Time (Min) or Centrifuge	Final Volume (mL)	Temperature (Degrees C)	Instrument Reading (pH units)	Time Analyzed	Comments
CALIBRATION 1	pH 4	50			50	25	3.95	10:51am	
CALIBRATION 2	pH 10						10.02	10:52AM	
LCS	pH 7						7.05	10:53	
D4/06A80-001B							6.78	10:56	
D4/06A80-001B	DUP						6.31	10:57	
D4/06B47-001A							6.61	3:15	
002A							6.20	3:16	
B33-001C							6.87	3:18	
B33-002C							6.33	3:22	
CCV 1	pH 4 or 10	50	—	—	50	25	4.01	1735	
	DUP								
CCV 2	pH 4 or 10								

RP 6/24/04

RP 6/24/04

CALIBRATION 1 LOT # 8129 (pH 4.00 ± 0.05)

CALIBRATION 2 LOT # 8431 (pH 10.00 ± 0.05)

pH 7 LOT # 8606 (pH 7.00 ± 0.05)

LCS READING ± 0.05 OF TV : YES or NO

CCV 1 READING ± 0.05 OF TV : YES or NO

CCV 2 READING ± 0.05 OF TV : YES or NO

DUP 1 %RPD = 0.48 (<20%)

DUP 2 %RPD = NA (<20%)

Reviewed by: RP Date: 6/24/04

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Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 8:00:00 A**
Prep End Date: **6/24/2004 2:00:00 P**

Prep Batch **47072** Prep Code: **9010B_W** Technician: **Lonnie Wonnum**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406A16-001C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406A16-002C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406A16-003C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406A16-004C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406A16-005C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406A16-006C	Groundwater		50	0	0	50	1.000	6/24/2004	6/24/2004
0406B16-001C			50	0	0	50	1.000	6/24/2004	6/24/2004
0406B16-001C DUP			50	0	0	50	1.000	6/24/2004	6/24/2004
0406B16-001C MS			50	0	0	50	1.000	6/24/2004	6/24/2004
0406B33-001D	Aqueous		50	0	0	50	1.000	6/24/2004	6/24/2004
CCV-47072			50	0	0	50	1.000	6/24/2004	6/24/2004
LCS-47072			50	0	0	50	1.000	6/24/2004	6/24/2004
MB-47072			50	0	0	50	1.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_W

Sample ID **MB-47072**	SampType: **MBLK**	TestCode: **9014_W**	Units: **mg/L**	Prep Date: **6/24/2004**	RunNo: **52551**
Client ID:	Batch ID: **47072**	TestNo: **SW9014**		Analysis Date: **6/24/2004**	SeqNo: **1008020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	BRL	0.0100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_W

Sample ID **LCS-47072**	SampType: **LCS**	TestCode: **9014_W**	Units: **mg/L**	Prep Date: **6/24/2004**	RunNo: **52551**
Client ID:	Batch ID: **47072**	TestNo: **SW9014**		Analysis Date: **6/24/2004**	SeqNo: **1008021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.254	0.0100	0.25	0	102	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_W

Sample ID **0406B16-001C MS** SampType: **MS** TestCode: **9014_W** Units: **mg/L** Prep Date: **6/24/2004** RunNo: **52551**
Client ID: Batch ID: **47072** TestNo: **SW9014** Analysis Date: **6/24/2004** SeqNo: **1008039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.2652	0.0100	0.25	0.0305	93.9	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_W

Sample ID **0406B16-001C DUP** SampType: **DUP** TestCode: **9014_W** Units: **mg/L** Prep Date: **6/24/2004** RunNo: **52551**
Client ID: Batch ID: **47072** TestNo: **SW9014** Analysis Date: **6/24/2004** SeqNo: **1008036**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.0311	0.0100	0	0	0	0	0	0.0305	1.95	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Standard Curve Evaluation Worksheet

Wet Chemistry

Method:	335.1/335.2/9014

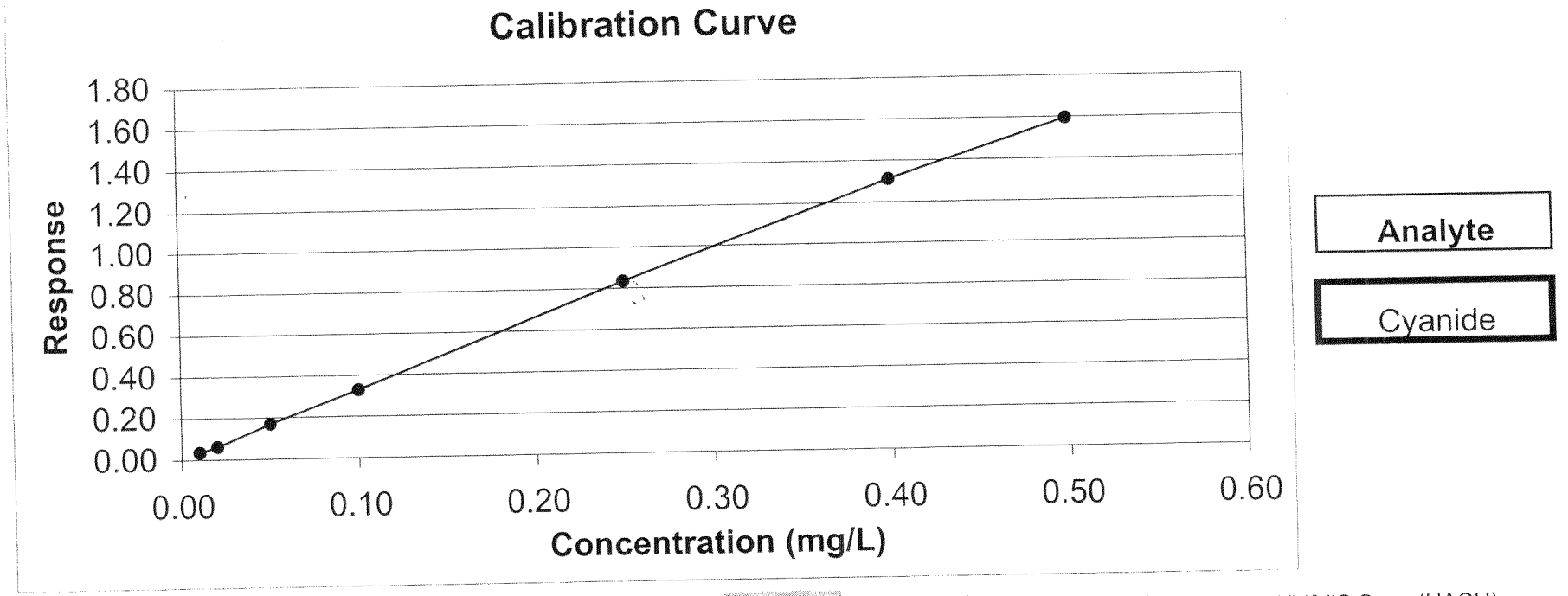
Curve No.: CN- 11

Calibration No.	Concentration (mg/L)	Abs. @ 578 nm	Response Factor	% by Linear Regress	P/F
1	0.01	0.033	3.30E+00	84.6	Pass
2	0.02	0.06	3.00E+00	84.2	Pass
3	0.05	0.168	3.36E+00	100.7	Pass
4	0.10	0.328	3.28E+00	100.0	Pass
5	0.25	0.833	3.33E+00	102.7	Pass
6	0.40	1.311	3.28E+00	101.3	Pass
7	0.50	1.591	3.18E+00	98.4	Pass

Correlation
0.99968

Slope
0.310484239

y-Intercept
-0.00179055



Analyst: VS/RD **Date:** 2/12/2004 **Instrument:** UV/VIS Spec (HACH)

\\Aes server\L\WetChem Data\CalCurves\Cyanide 011 CAL CURVE

Document ID No.: IN 362

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

TOTAL & AMENABLE CYANIDE - MIDI DISTILATION
SAMPLE PREP AND ANALYSIS DATA SHEET

EPA 335.1, 335.2, 335.4, SW-846 9010B, 9012A, 9013, 9014, 7.3.3.2 CN
AES Method GL-08029

Calibration Curve ID: CN011
Curve Prep. Date: 2/12/04
Curve Expiration Date: 8/12/04
Curve Prepared By: V.Sh/RD
Slope: 0.310484239
Intercept: -0.00179055
Wavelength: 578 nm

Batch No.: 47072/47073
Prepared By: LLW
Analyzed By: LLW

Instrument Run ID: UV/VIS-SPEC 040624B
Date: 6/24/04 Start Time: 8:00am End Time: 1400
Date: 6/24/04 Start Time: 1430 End Time: 1600

AES ID #	Initial Vol/Wt (mL/g)	Final Vol.(mL)	D.F.	Absorbance	pH >12	Sulfide Check	Calculated Value	Corrected Value	Comments
									RP 6/24/4
CCV									
MB	50ml	50ml	1x	0			0		
LCS			1x	0.824	>12	Neg	0.2540		
0406B16-001C			1x	0.104			0.0305		
001C DUP			1x	0.106			0.0311		
001C MS			1x	0.860			0.2652		
0406A06-001F			1x	0.003			0		
0406A71-006			1x	0.272			0.0827		
0406B24-001D			1x	0.032			0.0081		
0406BR6-001D			1x	0.005			0		
0406A16-001C			1x	0.005			0		
002C			1x	0.002			0		
003C			1x	0.001			0		
CCV			1x	1.188			0.3671		
CCB			1x	0			0		
0406A16-004C			1x	0.001			0		
005C			1x	0.002			0		
006C			1x	0.001			0		
0406B33-001D			1x	0.015			0.0029		
0406B71-001D			1x	0.003			0		
									RP 6/24/4
CCV	50ml	50ml	1x	1.181	>12	Neg	0.3649		
CCB									

CCV LOT # IN361-438722 TV= 0.40 mg/L 92/91 %Rec. (90-110%)
LCS LOT # IN329-53-8279 TV= 0.25 mg/L 102 %Rec. (90-110%)
MS & MSD Lot # ↓ TV= 0.25 mg/L
MS 106.94 %Rec. (90-110%) MSD NA %Rec. (90-110%) %RPD 1.95 (<20%)

Approved RP 6/24/4

Cyanide Buffer Lot # IN361-70-8216
Chloramine-T Solution Lot # IN361-69-5057
Pyridine-Barbituric Acid Reagent Lot # IN361-18-8402

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 8:00:00 A**
Prep End Date: **6/24/2004 2:00:00 P**

Prep Batch **47071** Prep Code: **9010B_S** Technician: **Lonnie Wonnum**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003C	Waste		0.00105	0	0	50	47619.048	6/24/2004	6/24/2004
0406B33-003C DUP	Waste		0.00105	0	0	50	47619.048	6/24/2004	6/24/2004
0406B33-003C MS	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
CCV-47071			0.001	0	0	50	50000.000	6/24/2004	6/24/2004
LCS-47071			0.001	0	0	50	50000.000	6/24/2004	6/24/2004
MB-47071			0.001	0	0	50	50000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_S

Sample ID **MB-47071**	SampType: **MBLK**	TestCode: **9014_S**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52553**
Client ID:	Batch ID: **47071**	TestNo: **SW9014**		Analysis Date: **6/24/2004**	SeqNo: **1008113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	BRL	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_S

Sample ID **LCS-47071**	SampType: **LCS**	TestCode: **9014_S**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52553**
Client ID:	Batch ID: **47071**	TestNo: **SW9014**		Analysis Date: **6/24/2004**	SeqNo: **1008114**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	12.7	1.00	12.5	0	102	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_S

Sample ID **0406B33-003C MS** SampType: **MS** TestCode: **9014_S** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52553**
Client ID: **JW-WA-03** Batch ID: **47071** TestNo: **SW9014** Analysis Date: **6/24/2004** SeqNo: **1008117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	13.1	1.00	12.5	0.8333	98.2	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 9014_S

Sample ID **0406B33-003C DUP** SampType: **DUP** TestCode: **9014_S** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52553**
Client ID: **JW-WA-03** Batch ID: **47071** TestNo: **SW9014** Analysis Date: **6/24/2004** SeqNo: **1008116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	BRL	0.952	0	0	0	0	0	0.8333	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Standard Curve Evaluation Worksheet

Method:	335.1/335.2/9014

Wet Chemistry

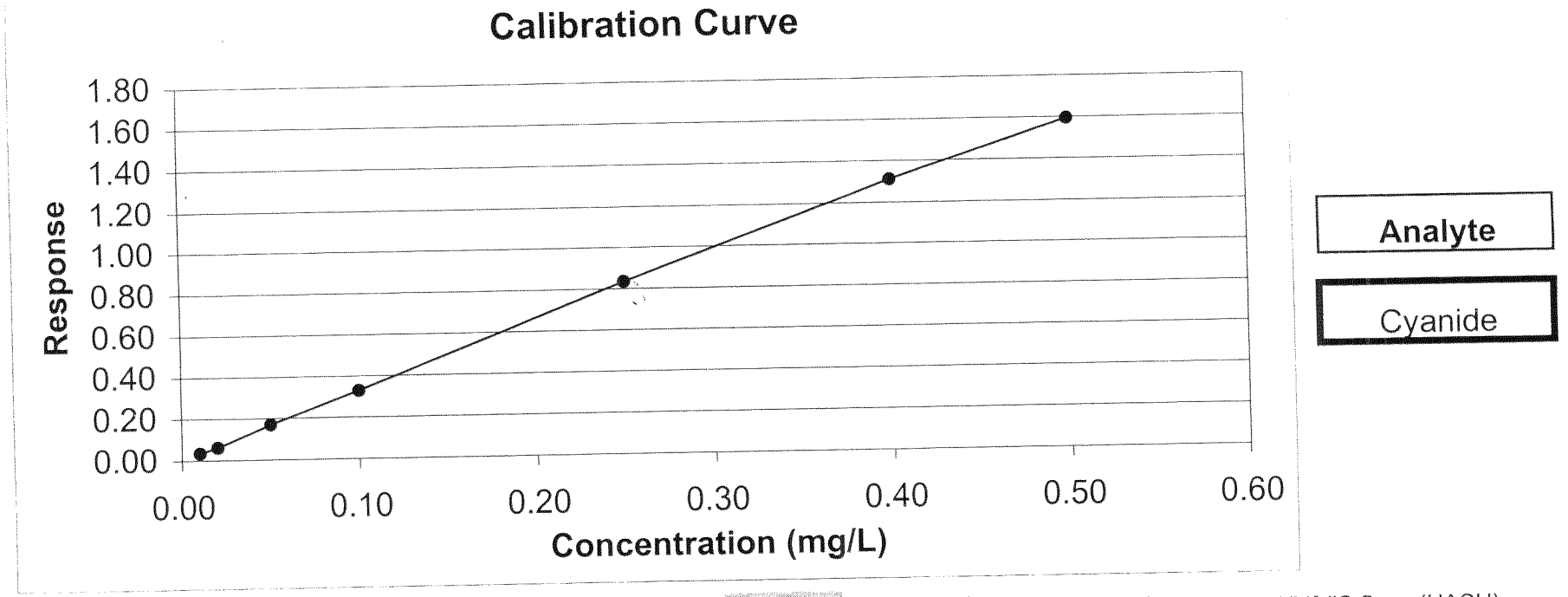
Curve No.: CN- 11

Calibration No.	Concentration (mg/L)	**Abs. @ 578 nm**	Response Factor	% by Linear Regress	P/F
1	0.01	0.033	3.30E+00	84.6	Pass
2	0.02	0.06	3.00E+00	84.2	Pass
3	0.05	0.168	3.36E+00	100.7	Pass
4	0.10	0.328	3.28E+00	100.0	Pass
5	0.25	0.833	3.33E+00	102.7	Pass
6	0.40	1.311	3.28E+00	101.3	Pass
7	0.50	1.591	3.18E+00	98.4	Pass

Correlation
0.99968

Slope
0.310484239

y-Intercept
-0.00179055



Analyst: VS/RD **Date:** 2/12/2004 **Instrument:** UV/VIS Spec (HACH)

\\Aes server\L\WetChem Data\CalCurves\Cyanide 011 CAL CURVE

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

TOTAL & AMENABLE CYANIDE - MIDI DISTILATION

SAMPLE PREP AND ANALYSIS DATA SHEET

EPA 335.1, 335.2, 335.4, SW-846 9010B, 9012A, 9013, 9014, 7.3.3.2 CN

AES Method GL-08029

Calibration Curve ID: CN011
Curve Prep. Date: 2/12/04
Curve Expiration Date: 5/12/04
Curve Prepared By: V.Sh / RD
Slope: 0.310484239
Intercept: -0.00179055
Wavelength: 578 nm

Batch No.: 47071
Instrument Run ID: UV/VIS-SPEC 040624C
Prepared By: LLW Date: 6/24/04 Start Time: 8:00am End Time: 14:00
Analyzed By: LLW Date: 6/24/04 Start Time: 1430 End Time: 1600

AES ID #	Initial Vol/Wt (mL/g)	Final Vol.(mL)	D.F.	Absorbance	pH >12	Sulfide Check	Calculated Value	Corrected Value	Comments
~~CCV~~									RD 6/24/4
MB	1.00	50ml	1x	0	NA	NA	0	0	
LCS	1.00	↓	1x	0.824	↓	↓	0.2540	12.70	TV=12.5
D4L0833-003C	1.05		1x	0.062			0.0175	0.8314	
003C DUP	1.05		1x	0.058			0.0162	0.7723	
003C MS	1.00		1x	0.850			0.2621	13.10	TV=12.5
									RD 6/24/4
CCV	1.00	50ml	1x	1.188	NA	NA	0.3671	18.355	TV=20
CCB	1.00	↓	↓	0	↓	↓	0	0	
									RD 6/24/4
CCV									
CCB									

CCV LOT # IN361-45-8722 TV= 0.40 mg/L 92 %Rec. (90-110%) Approved: RD 6/24/4
LCS LOT # IN329-53-8279 TV= 0.25 mg/L 102 %Rec. (90-110%)
MS & MSD Lot # ↓ TV= 0.25 mg/L
MS ~~95~~ 105 %Rec. (90-110%) MSD NA %Rec. (90-110%) %RPD 0 (<20%)

Cyanide Buffer Lot # IN361-70-8216
Chloramine-T Solution Lot # IN361-49-5457
Pyridine-Barbituric Acid Reagent Lot # IN361-18-8402

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/23/2004 3:45:00 A**
Prep End Date: **6/23/2004 4:30:00 P**

Prep Batch **47066** Prep Code: **7.3.3.2CN_P** Technician: **Viktor Sheynker**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-002D	Aqueous		0.0013	0	0	50	38461.538	6/23/2004	6/23/2004
0406B33-002D DUP	Aqueous		0.00146	0	0	50	34246.575	6/23/2004	6/23/2004
0406B33-002D MS	Aqueous		0.00142	0	0	50	35211.268	6/23/2004	6/23/2004
LCS-47066			0.001	0	0	50	50000.000	6/23/2004	6/23/2004
MB-47066			0.001	0	0	50	50000.000	6/23/2004	6/23/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID **MB-47066**	SampType: **MBLK**	TestCode: **7.3.3.2CN**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52520**
Client ID:	Batch ID: **47066**	TestNo: **SW7.3.3.2**		Analysis Date: **6/23/2004**	SeqNo: **1007355**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	BRL	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID **LCS-47066**	SampType: **LCS**	TestCode: **7.3.3.2CN**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52520**
Client ID:	Batch ID: **47066**	TestNo: **SW7.3.3.2**		Analysis Date: **6/23/2004**	SeqNo: **1007356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	9.55	1.00	12.5	0	76.4	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID	**0406B33-002D MS**	SampType:	**MS**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**6/23/2004**	RunNo:	**52520**
Client ID:	**JW-WA-02**	Batch ID:	**47066**	TestNo:	**SW7.3.3.2**			Analysis Date:	**6/23/2004**	SeqNo:	**1007361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	5.961	0.704	8.803	0	67.7	20	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID	**0406B33-002D DUP**	SampType:	**DUP**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**6/23/2004**	RunNo:	**52520**
Client ID:	**JW-WA-02**	Batch ID:	**47066**	TestNo:	**SW7.3.3.2**			Analysis Date:	**6/23/2004**	SeqNo:	**1007360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	BRL	0.685	0	0	0	0	0	0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Standard Curve Evaluation Worksheet

Method:	335.1/335.2/9014

Wet Chemistry

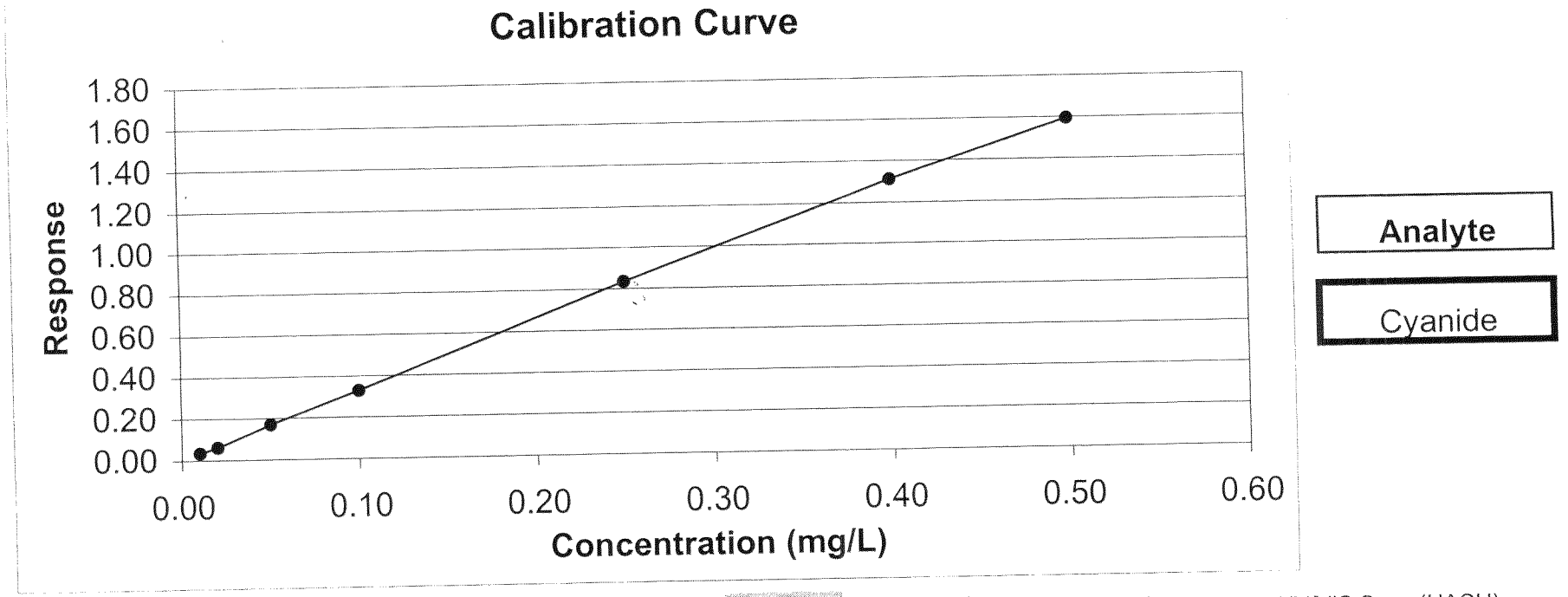
Curve No.: CN- 11

Calibration No.	Concentration (mg/L)	Abs. @ 578 nm	Response Factor	% by Linear Regress	P/F
1	0.01	0.033	3.30E+00	84.6	Pass
2	0.02	0.06	3.00E+00	84.2	Pass
3	0.05	0.168	3.36E+00	100.7	Pass
4	0.10	0.328	3.28E+00	100.0	Pass
5	0.25	0.833	3.33E+00	102.7	Pass
6	0.40	1.311	3.28E+00	101.3	Pass
7	0.50	1.591	3.18E+00	98.4	Pass

Correlation
0.99968

Slope
0.310484239

y-Intercept
-0.00179055



Analyst: VS/RD **Date:** 2/12/2004 **Instrument:** UV/VIS Spec (HACH)

\\Aes server\L\WetChem Data\CalCurves\Cyanide 011 CAL CURVE

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

TOTAL & AMENABLE CYANIDE - MIDI DISTILLATION
SAMPLE PREP AND ANALYSIS DATA SHEET

EPA 335.1, 335.2, 335.4, SW-846 9010B, 9012A, 9013, 9014, 7.3.3.2 CN

AES Method GL-08029

Reactive

Batch No.: 47066
Prepared By: VSh
Analyzed By: VSh

Instrument Run ID: UV/VIS-SPEC 040623c
Date: 6/23/04 Start Time: 3:45 End Time: 4:30
Date: 6/23/04 Start Time: 5:40 End Time: 6:30

Calibration Curve ID: CN011
Curve Prep. Date: 2/12/04
Curve Expiration Date: 8/12/04
Curve Prepared By: R.SW/R.D
Slope: 0.310484239
Intercept: -0.00179055
Wavelength: 578 nm

AES ID #	Initial Vol/Wt (mL/g)	Final Vol.(mL)	D.F.	Absorbance	pH >12	Sulfide Check	Calculated Value	Corrected Value	Comments
									VSh 6/23/4
CCV		50							
MB	1g	50	1	0	>12	N/A	0	0	
LCS	1g	50		0.621	↓		0.1910	9.55	TV=12.5
0406B33-002D	1.30g			0.001	N/A		0	0	
DUP	1.46g			0			0	0	
MS	1.42g	↓	↓	0.551	↓	↓	0.1693	5.96	TV=8.80
									fp 6/24/4
CCV (as it is)	1g	50	1	1.182	>12	N/A	0.3652	18.26	TV=20
CCB	1g	↓	↓	0	↓	↓	0	0	
									fp 6/24/4
CCV									
CCB									

CCV LOT # IN361-45-8722 TV= 20 mg/L 91 %Rec. (90-110%) 704 Approval: RP 6/24/4
LCS LOT # IN329-53-8229 TV= 12.5 mg/L 76 %Rec. (90-110%)
MS & MSD Lot # ↓ TV= 8.80 mg/L

Cyanide Buffer Lot # IN361-70-8216
Chloramine-T Solution Lot # IN361-69-5057
Pyridine-Barbituric Acid Reagent Lot # IN361-18-8402

%RPD (≤20%)

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/23/2004 3:45:00 P**
Prep End Date: **6/23/2004 4:30:00 P**

Prep Batch **47076** Prep Code: **7.3.4.2SO2_P** Technician: **Viktor Sheynker**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-002D	Aqueous		0.001	0	0	50	50000.000	6/23/2004	6/23/2004
0406B33-002D DUP	Aqueous		0.001	0	0	50	50000.000	6/23/2004	6/23/2004
0406B33-002D MS	Aqueous		0.001	0	0	50	50000.000	6/23/2004	6/23/2004
LCS#2-47076			0.001	0	0	50	50000.000	6/23/2004	6/23/2004
LCS-47076			0.001	0	0	50	50000.000	6/23/2004	6/23/2004
MB-47076			0.001	0	0	50	50000.000	6/23/2004	6/23/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID **MB-47076**	SampType: **MBLK**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52526**
Client ID:	Batch ID: **47076**	TestNo: **SW7.3.4.2**		Analysis Date: **6/23/2004**	SeqNo: **1007511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	BRL	20.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID **LCS-47076**	SampType: **LCS**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52526**
Client ID:	Batch ID: **47076**	TestNo: **SW7.3.4.2**		Analysis Date: **6/23/2004**	SeqNo: **1007512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	184	20.0	252.7	0	72.8	70	130	0	0		

Sample ID **LCS#2-47076**	SampType: **LCS**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52526**
Client ID:	Batch ID: **47076**	TestNo: **SW7.3.4.2**		Analysis Date: **6/23/2004**	SeqNo: **1007519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	30.08	20.0	31.68	0	94.9	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID	**0406B33-002D MS**	SampType:	**MS**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**6/23/2004**	RunNo:	**52526**
Client ID:	**JW-WA-02**	Batch ID:	**47076**	TestNo:	**SW7.3.4.2**			Analysis Date:	**6/23/2004**	SeqNo:	**1007518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	143.4	20.0	174.3	0	82.3	20	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406B33
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID **0406B33-002D DUP**	SampType: **DUP**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/23/2004**	RunNo: **52526**				
Client ID: **JW-WA-02**	Batch ID: **47076**	TestNo: **SW7.3.4.2**		Analysis Date: **6/23/2004**	SeqNo: **1007517**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	BRL	20.0	0	0	0	0	0	0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc.
3785 Presidential Pkwy
Atlanta, GA 30340

Document I.D. No.: IN-325

SULFIDE
Sample Preparation & Analysis ~~Data~~ Sheet
EPA 376.1, SW-846 9034A, 7.3.4.2 S^{-2}
AES Method GL-08083

Batch No.: 47076 Prepared by: VSh Start Date/Time: 6/23/4 3:45pm End Date/Time: 6/23/4 1630
Analyzed by: VSh Start Date/Time: ↓ 4:45pm End Date/Time: ↓ 1730

Instrument Run ID: Titration 040623B N Thios = 0.025 N I2 = 0.02425

AES Lab #	Vol/Wt (ml/gm)	Iodide Vol (mL)	Sodium Thiosulfate (mL)	Result S^{-2} (mg/L or mg/Kg)	Corrected Result (mg/L or mg/Kg)	Comments
MB	10mL	10	9.70	0		
LCS1	1g		9.24	184.0		TV=252.7
040623B33-0020	1.46g		9.64	16.44		
0020 DUP	1.43g		9.64	16.44		
0020 MS	1.45g		9.18	143.45 - 16.44 = 127.01		TV=174.28
LCS2	25mL	10	7.82	30.02		TV=31.68

RP 6/24/4

LCS1 ID. 361-70-7945 TV = 252.7 mg/Kg 73 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
LCS2 ID. 361-70-7949 TV = 31.68 mg/L 95 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
MS ID. 361-70-7945 TV = 174.28 mg/Kg 82 %Rec. (376.1&9034A- 80-120%) (7.3.4.2 S-2- 20-120%)
%RPD 6 (376.1&9034A ≤20%) (7.3.4.2 S-2 <30%)

Iodine Lot # IN 361-50-7997

Calculation: $S^{-2} = \frac{(\text{Vol } I_2 * \text{N } I_2) - (\text{Vol Thios} * \text{N Thios}) * 16{,}000}{\text{Vol/Weight}}$

TV LCS = $\frac{50.54 * 5}{1} = 252.7$

TV MS = $\frac{50.54 * 5}{1.45} = 174.28$

Reviewed By: RP Date: 6/24/4

ljob 1/5/2004 12:10 PM

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Client Name: **Tetra Tech EM Inc.**
Project Name:
Project Number:

NVLAP Lab ID# 102082-0
AES Job Number: **0406C13**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
JW-WA-05 Layer: 1	0406C13 -001A		<1	ND	ND	ND	ND	ND	Paint included as binder
JW-WA-09 Layer: 1	0406C13 -002A		ND	ND	ND	ND	ND	ND	
JW-WA-10 Layer: 1	0406C13 -003A		ND	ND	ND	ND	ND	ND	Paint included as binder.

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite
For comments on the samples, see the individual analysis sheets.
ND = None Detected
PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to determine the conclusive asbestos content.

It is certified by the signatures below that the laboratory identified is accredited by the National Institute of Standards and Technology for Polarized Light Microscopy (PLM) analysis under the EPA Interim Asbestos Bulk Sample Quality Assurance Program, Laboratory ID 102082-0. All percentages given are by visually estimated volume. All analyses are performed in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, July 1993." This report must not be reproduced except in full without the approval of Analytical Environmental Service, Inc. These test results apply only to the samples actually tested.

Microanalyst: Andrew W Pittman
Andrew Pittman

QC Analyst:
Yelena Khanina

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No:
SDG No: **L**

Date Shipped: 6/24/2004	**Chain of Custody Record**	**Sampler Signature:** John Schendel	**For Lab Use Only**
Carrier Name: Tetra Tech	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
Airbill:	1 John Schendel 6/24/04 1345	Alan Whitt Client 6/24/4 1345	Unit Price:
Shipped to: Analytical Environmental Services, Inc. 3785 Presidential Parkway Norcross GA 30340 (770) 457-8177	2		Transfer To:
	3		Lab Contract No:
	4		Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
JW-WA-04	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	290 (Ice Only), 304 (Ice Only), 328 (Ice Only), 330 (4)	JW-WA-04	S: 6/23/2004	14:00	
JW-WA-05	Other (Unknown)	/G	NASB (1)	345 (Ice Only) (1)	JW-WA-05	S: 6/23/2004	14:15	
JW-WA-06	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	297, 346 (Ice Only), 347 (Ice Only), 348 (Ice Only) (4)	JW-WA-06	S: 6/23/2004	14:30	
JW-WA-07	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	305, 349 (Ice Only), 350 (Ice Only), 351 (Ice Only) (4)	JW-WA-07	S: 6/23/3004	14:55	
JW-WA-09	Other (Unknown)/ Ann Felkel	H/G	AS_PCB (1)	332 (Ice Only) (1)	JW-WA-09	S: 6/23/2004	15:42	
JW-WA-10	Other (Unknown)/ Ann Felkel	H/G	AS_PCB (1)	333 (Ice Only) (1)	JW-WA-10	S: 6/23/2004	15:44	
JW-WA-11	Wastewater/ Alan Whitt	H/G	pH (1), RE_CY_SU (1), SVOC 2 (1), VOC (1)	316, 317 (NaOH), 320 (HCL), 321 (HCL), 322 (HCL), 352 (Ice Only), 353 (Ice Only) (7)	JW-WA-11	S: 6/23/2004	15:55	
JW-WA-12	Wastewater/ Neil Daniell	H/G	pH (1), RE_CY_SU (1), SVOC 2 (1), VOC (1)	323, 324 (NaOH), 343 (Ice Only), 344 (Ice Only), 354 (HCL), 355 (HCL), 356 (HCL) (7)	JW-WA-12	S: 6/23/2004	16:15	

- POTENTIAL BIOLOGICAL HAZARDS
- 24 HOUR TURN ON PRELIMINARY RESULTS
- SEND VIA E-MAIL RESULT AND INVOICE TO JOHN.SCHENDEL@TTEMI.C (CALL HIM AT 678-773-5803)
- VOC = TCL VOCs
- SVOC = TCL SVOCs
- METALS = TAL METALS

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

AS_PCB = Asbestos and PCB, NASB = NOLP Asbestos, pH = pH, RE_CY_SU = Reactive Cyanide and Sulfide, SVOC = SVOC, SVOC 2 = SVOC (2), TMRCRS = Total Metals/Reactive Cyanide/Reactive Su, VOC = VOC, VOC 1 = VOC (1)

TR Number: 4-005534094-062404-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs
Send Copy to: Sample Management Office, Attn: Heather Rauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

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- QC Data
- Calibration Data
- Raw Data

- **Reactive Sulfide Fraction-Waste Samples**

- QC Data
- Raw Data

This Data Package contains 771 total pages (including table of contents).

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-04
Lab Order: 0406C14
Collection Date: 6/23/2004 2:00:00 PM
Project: J&W Drums
Lab ID: 0406C14-001
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	20	9.9		mg/Kg	47050	1	6/25/2004 10:39:00 A
Antimony	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Arsenic	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Barium	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Beryllium	BRL	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Cadmium	BRL	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Calcium	99	9.9		mg/Kg	47050	1	6/25/2004 10:39:00 A
Chromium	BRL	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Cobalt	BRL	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Copper	0.84	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Iron	BRL	9.9		mg/Kg	47050	1	6/25/2004 10:39:00 A
Lead	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Magnesium	BRL	9.9		mg/Kg	47050	1	6/25/2004 10:39:00 A
Manganese	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Nickel	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Potassium	28	20		mg/Kg	47050	1	6/25/2004 10:39:00 A
Selenium	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Silver	BRL	0.50		mg/Kg	47050	1	6/25/2004 10:39:00 A
Sodium	210	20		mg/Kg	47050	1	6/25/2004 10:39:00 A
Thallium	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Vanadium	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
Zinc	BRL	0.99		mg/Kg	47050	1	6/25/2004 10:39:00 A
TOTAL MERCURY - WASTE		**SW7471A**			**(SW7471A)**		Analyst: **BB**
Mercury	BRL	0.0991		mg/Kg	47109	1	6/25/2004 5:11:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
1,1'-Biphenyl	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4,5-Trichlorophenol	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4,6-Trichlorophenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4-Dichlorophenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4-Dimethylphenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4-Dinitrophenol	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,4-Dinitrotoluene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2,6-Dinitrotoluene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Chloronaphthalene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Chlorophenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Methylnaphthalene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Methylphenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Nitroaniline	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
2-Nitrophenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-04
Lab Order: 0406C14
Collection Date: 6/23/2004 2:00:00 PM
Project: J&W Drums
Lab ID: 0406C14-001
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
3,3´-Dichlorobenzidine	BRL	630		mg/Kg	47086	1	6/25/2004 7:37:00 PM
3-Nitroaniline	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4,6-Dinitro-2-methylphenol	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Bromophenyl phenyl ether	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Chloro-3-methylphenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Chloroaniline	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Chlorophenyl phenyl ether	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Methylphenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Nitroaniline	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
4-Nitrophenol	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Acenaphthene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Acenaphthylene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Acetophenone	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Anthracene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Atrazine	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benz(a)anthracene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benzaldehyde	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benzo(a)pyrene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benzo(b)fluoranthene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benzo(g,h,i)perylene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Benzo(k)fluoranthene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Bis(2-chloroethoxy)methane	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Bis(2-chloroethyl)ether	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Bis(2-chloroisopropyl)ether	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Bis(2-ethylhexyl)phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Butyl benzyl phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Caprolactam	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Carbazole	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Chrysene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Dibenz(a,h)anthracene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Dibenzofuran	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Diethyl phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Dimethyl phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Di-n-butyl phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Di-n-octyl phthalate	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Fluoranthene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Fluorene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Hexachlorobenzene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Hexachlorobutadiene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Hexachlorocyclopentadiene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
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N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-04
Lab Order: 0406C14
Collection Date: 6/23/2004 2:00:00 PM
Project: J&W Drums
Lab ID: 0406C14-001
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
Hexachloroethane	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Indeno(1,2,3-cd)pyrene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Isophorone	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Naphthalene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Nitrobenzene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
N-Nitrosodi-n-propylamine	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
N-Nitrosodiphenylamine	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Pentachlorophenol	BRL	470		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Phenanthrene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Phenol	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Pyrene	BRL	94		mg/Kg	47086	1	6/25/2004 7:37:00 PM
Surr: 2,4,6-Tribromophenol	73.9	35.5-131		%REC	47086	1	6/25/2004 7:37:00 PM
Surr: 2-Fluorobiphenyl	73.8	12.9-120		%REC	47086	1	6/25/2004 7:37:00 PM
Surr: 2-Fluorophenol	60.6	10-119		%REC	47086	1	6/25/2004 7:37:00 PM
Surr: 4-Terphenyl-d14	73.8	41.5-128		%REC	47086	1	6/25/2004 7:37:00 PM
Surr: Nitrobenzene-d5	75.5	10-121		%REC	47086	1	6/25/2004 7:37:00 PM
Surr: Phenol-d5	61.0	12.6-121		%REC	47086	1	6/25/2004 7:37:00 PM
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
1,1,1-Trichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,1,2,2-Tetrachloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,1,2-Trichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,1-Dichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,1-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2,4-Trichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2-Dibromo-3-chloropropane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2-Dibromoethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2-Dichloroethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,2-Dichloropropane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,3-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
1,4-Dichlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
2-Butanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
2-Hexanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
4-Methyl-2-pentanone	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Acetone	BRL	10000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Benzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Bromodichloromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Bromoform	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Bromomethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Carbon disulfide	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-04
Lab Order: 0406C14
Collection Date: 6/23/2004 2:00:00 PM
Project: J&W Drums
Lab ID: 0406C14-001
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
Carbon tetrachloride	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Chlorobenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Chloroethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Chloroform	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Chloromethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
cis-1,2-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
cis-1,3-Dichloropropene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Cyclohexane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Dibromochloromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Dichlorodifluoromethane	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Ethylbenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Freon-113	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Isopropylbenzene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
m,p-Xylene	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Methyl acetate	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Methyl tert-butyl ether	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Methylcyclohexane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Methylene chloride	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
o-Xylene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Styrene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Tetrachloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Toluene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
trans-1,2-Dichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
trans-1,3-Dichloropropene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Trichloroethene	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Trichlorofluoromethane	BRL	2500		µg/Kg	47074	50	6/25/2004 12:47:00 P
Vinyl chloride	BRL	5000		µg/Kg	47074	50	6/25/2004 12:47:00 P
Surr: 4-Bromofluorobenzene	107	65.3-133		%REC	47074	50	6/25/2004 12:47:00 P
Surr: Dibromofluoromethane	101	80.1-121		%REC	47074	50	6/25/2004 12:47:00 P
Surr: Toluene-d8	95.8	67.8-145		%REC	47074	50	6/25/2004 12:47:00 P
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **YJ**
Cyanide,Reactive	BRL	0.862		mg/Kg	47104	1	6/25/2004 10:40:00 A
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **YJ**
Sulfide, Reactive	21.9	20.0		mg/Kg	47106	1	6/24/2004 4:30:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	BRL	1.0		pH Units	47105	1	6/25/2004 1:35:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-06
Lab Order: 0406C14
Collection Date: 6/23/2004 2:30:00 PM
Project: J&W Drums
Lab ID: 0406C14-002
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	15	8.5		mg/Kg	47050	1	6/25/2004 10:43:00 A
Antimony	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Arsenic	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Barium	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Beryllium	BRL	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Cadmium	BRL	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Calcium	31	8.5		mg/Kg	47050	1	6/25/2004 10:43:00 A
Chromium	BRL	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Cobalt	BRL	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Copper	1.0	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Iron	200	8.5		mg/Kg	47050	1	6/25/2004 10:43:00 A
Lead	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Magnesium	BRL	8.5		mg/Kg	47050	1	6/25/2004 10:43:00 A
Manganese	1.9	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Nickel	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Potassium	130	17		mg/Kg	47050	1	6/25/2004 10:43:00 A
Selenium	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Silver	0.50	0.43		mg/Kg	47050	1	6/25/2004 10:43:00 A
Sodium	1600	17		mg/Kg	47050	1	6/25/2004 10:43:00 A
Thallium	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Vanadium	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
Zinc	BRL	0.85		mg/Kg	47050	1	6/25/2004 10:43:00 A
TOTAL MERCURY - WASTE		**SW7471A**			**(SW7471A)**		Analyst: **BB**
Mercury	BRL	0.0993		mg/Kg	47109	1	6/25/2004 5:11:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
1,1'-Biphenyl	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4,5-Trichlorophenol	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4,6-Trichlorophenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4-Dichlorophenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4-Dimethylphenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4-Dinitrophenol	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,4-Dinitrotoluene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2,6-Dinitrotoluene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Chloronaphthalene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Chlorophenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Methylnaphthalene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Methylphenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Nitroaniline	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
2-Nitrophenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-06
Lab Order: 0406C14
Collection Date: 6/23/2004 2:30:00 PM
Project: J&W Drums
Lab ID: 0406C14-002
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
3,3´-Dichlorobenzidine	BRL	640		mg/Kg	47086	1	6/25/2004 9:30:00 PM
3-Nitroaniline	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4,6-Dinitro-2-methylphenol	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Bromophenyl phenyl ether	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Chloro-3-methylphenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Chloroaniline	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Chlorophenyl phenyl ether	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Methylphenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Nitroaniline	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
4-Nitrophenol	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Acenaphthene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Acenaphthylene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Acetophenone	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Anthracene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Atrazine	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benz(a)anthracene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benzaldehyde	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benzo(a)pyrene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benzo(b)fluoranthene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benzo(g,h,i)perylene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Benzo(k)fluoranthene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Bis(2-chloroethoxy)methane	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Bis(2-chloroethyl)ether	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Bis(2-chloroisopropyl)ether	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Bis(2-ethylhexyl)phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Butyl benzyl phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Caprolactam	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Carbazole	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Chrysene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Dibenz(a,h)anthracene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Dibenzofuran	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Diethyl phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Dimethyl phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Di-n-butyl phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Di-n-octyl phthalate	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Fluoranthene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Fluorene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Hexachlorobenzene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Hexachlorobutadiene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Hexachlorocyclopentadiene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-06
Lab Order: 0406C14
Collection Date: 6/23/2004 2:30:00 PM
Project: J&W Drums
Lab ID: 0406C14-002
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
Hexachloroethane	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Indeno(1,2,3-cd)pyrene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Isophorone	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Naphthalene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Nitrobenzene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
N-Nitrosodi-n-propylamine	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
N-Nitrosodiphenylamine	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Pentachlorophenol	BRL	480		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Phenanthrene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Phenol	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Pyrene	BRL	96		mg/Kg	47086	1	6/25/2004 9:30:00 PM
Surr: 2,4,6-Tribromophenol	40.4	35.5-131		%REC	47086	1	6/25/2004 9:30:00 PM
Surr: 2-Fluorobiphenyl	43.2	12.9-120		%REC	47086	1	6/25/2004 9:30:00 PM
Surr: 2-Fluorophenol	35.9	10-119		%REC	47086	1	6/25/2004 9:30:00 PM
Surr: 4-Terphenyl-d14	46.1	41.5-128		%REC	47086	1	6/25/2004 9:30:00 PM
Surr: Nitrobenzene-d5	45.3	10-121		%REC	47086	1	6/25/2004 9:30:00 PM
Surr: Phenol-d5	34.6	12.6-121		%REC	47086	1	6/25/2004 9:30:00 PM
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,1,2,2-Tetrachloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,1,2-Trichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,1-Dichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,1-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2,4-Trichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2-Dibromo-3-chloropropane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2-Dibromoethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2-Dichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,2-Dichloropropane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,3-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
1,4-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
2-Butanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
2-Hexanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
4-Methyl-2-pentanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Acetone	BRL	20000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Benzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Bromodichloromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Bromoform	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Bromomethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Carbon disulfide	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-06
Lab Order: 0406C14
Collection Date: 6/23/2004 2:30:00 PM
Project: J&W Drums
Lab ID: 0406C14-002
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
Carbon tetrachloride	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Chlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Chloroethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Chloroform	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Chloromethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
cis-1,2-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
cis-1,3-Dichloropropene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Cyclohexane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Dibromochloromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Dichlorodifluoromethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Ethylbenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Freon-113	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Isopropylbenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
m,p-Xylene	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Methyl acetate	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Methyl tert-butyl ether	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Methylcyclohexane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Methylene chloride	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
o-Xylene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Styrene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Tetrachloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Toluene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
trans-1,2-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
trans-1,3-Dichloropropene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Trichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Trichlorofluoromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Vinyl chloride	BRL	10000		µg/Kg	47074	100	6/24/2004 8:23:00 PM
Surr: 4-Bromofluorobenzene	115	65.3-133		%REC	47074	100	6/24/2004 8:23:00 PM
Surr: Dibromofluoromethane	111	80.1-121		%REC	47074	100	6/24/2004 8:23:00 PM
Surr: Toluene-d8	104	67.8-145		%REC	47074	100	6/24/2004 8:23:00 PM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **YJ**
Cyanide,Reactive	BRL	0.877		mg/Kg	47104	1	6/25/2004 10:40:00 A
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **YJ**
Sulfide, Reactive	23.5	20.0		mg/Kg	47106	1	6/24/2004 4:30:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	5.2	1.0		pH Units	47105	1	6/25/2004 1:35:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-07
Lab Order: 0406C14
Collection Date: 6/23/2004 2:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	BRL	10		mg/Kg	47050	1	6/25/2004 10:50:00 A
Antimony	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Arsenic	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Barium	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Beryllium	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Cadmium	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Calcium	18	10		mg/Kg	47050	1	6/25/2004 10:50:00 A
Chromium	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Cobalt	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Copper	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Iron	39	10		mg/Kg	47050	1	6/25/2004 10:50:00 A
Lead	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Magnesium	BRL	10		mg/Kg	47050	1	6/25/2004 10:50:00 A
Manganese	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Nickel	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Potassium	60	21		mg/Kg	47050	1	6/25/2004 10:50:00 A
Selenium	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Silver	BRL	0.51		mg/Kg	47050	1	6/25/2004 10:50:00 A
Sodium	710	21		mg/Kg	47050	1	6/25/2004 10:50:00 A
Thallium	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Vanadium	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
Zinc	BRL	1.0		mg/Kg	47050	1	6/25/2004 10:50:00 A
TOTAL MERCURY - WASTE		**SW7471A**			**(SW7471A)**		Analyst: **BB**
Mercury	BRL	0.0991		mg/Kg	47109	1	6/25/2004 5:11:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
1,1'-Biphenyl	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4,5-Trichlorophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4,6-Trichlorophenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4-Dichlorophenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4-Dimethylphenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4-Dinitrophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,4-Dinitrotoluene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2,6-Dinitrotoluene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Chloronaphthalene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Chlorophenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Methylnaphthalene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Methylphenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
2-Nitrophenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-07
Lab Order: 0406C14
Collection Date: 6/23/2004 2:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
3,3´-Dichlorobenzidine	BRL	660		mg/Kg	47086	1	6/25/2004 10:08:00 P
3-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
4,6-Dinitro-2-methylphenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Bromophenyl phenyl ether	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Chloro-3-methylphenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Chloroaniline	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Chlorophenyl phenyl ether	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Methylphenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Nitroaniline	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
4-Nitrophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
Acenaphthene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Acenaphthylene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Acetophenone	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Anthracene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Atrazine	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benz(a)anthracene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benzaldehyde	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benzo(a)pyrene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benzo(b)fluoranthene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benzo(g,h,i)perylene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Benzo(k)fluoranthene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Bis(2-chloroethoxy)methane	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Bis(2-chloroethyl)ether	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Bis(2-chloroisopropyl)ether	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Bis(2-ethylhexyl)phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Butyl benzyl phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Caprolactam	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Carbazole	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Chrysene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Dibenz(a,h)anthracene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Dibenzofuran	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Diethyl phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Dimethyl phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Di-n-butyl phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Di-n-octyl phthalate	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Fluoranthene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Fluorene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Hexachlorobenzene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Hexachlorobutadiene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Hexachlorocyclopentadiene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-07
Lab Order: 0406C14
Collection Date: 6/23/2004 2:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**					Analyst: **YH**
Hexachloroethane	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Indeno(1,2,3-cd)pyrene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Isophorone	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Naphthalene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Nitrobenzene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
N-Nitrosodi-n-propylamine	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
N-Nitrosodiphenylamine	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Pentachlorophenol	BRL	500		mg/Kg	47086	1	6/25/2004 10:08:00 P
Phenanthrene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Phenol	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Pyrene	BRL	99		mg/Kg	47086	1	6/25/2004 10:08:00 P
Surr: 2,4,6-Tribromophenol	60.4	35.5-131		%REC	47086	1	6/25/2004 10:08:00 P
Surr: 2-Fluorobiphenyl	63.4	12.9-120		%REC	47086	1	6/25/2004 10:08:00 P
Surr: 2-Fluorophenol	54.0	10-119		%REC	47086	1	6/25/2004 10:08:00 P
Surr: 4-Terphenyl-d14	63.7	41.5-128		%REC	47086	1	6/25/2004 10:08:00 P
Surr: Nitrobenzene-d5	70.6	10-121		%REC	47086	1	6/25/2004 10:08:00 P
Surr: Phenol-d5	55.0	12.6-121		%REC	47086	1	6/25/2004 10:08:00 P
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,1,2,2-Tetrachloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,1,2-Trichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,1-Dichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,1-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2,4-Trichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2-Dibromo-3-chloropropane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2-Dibromoethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2-Dichloroethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,2-Dichloropropane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,3-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
1,4-Dichlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
2-Butanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
2-Hexanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
4-Methyl-2-pentanone	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Acetone	BRL	20000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Benzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Bromodichloromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Bromoform	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Bromomethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Carbon disulfide	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-07
Lab Order: 0406C14
Collection Date: 6/23/2004 2:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-003
Matrix: WASTE

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **TMP**
Carbon tetrachloride	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Chlorobenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Chloroethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Chloroform	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Chloromethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
cis-1,2-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
cis-1,3-Dichloropropene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Cyclohexane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Dibromochloromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Dichlorodifluoromethane	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Ethylbenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Freon-113	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Isopropylbenzene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
m,p-Xylene	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Methyl acetate	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Methyl tert-butyl ether	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Methylcyclohexane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Methylene chloride	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
o-Xylene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Styrene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Tetrachloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Toluene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
trans-1,2-Dichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
trans-1,3-Dichloropropene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Trichloroethene	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Trichlorofluoromethane	BRL	5000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Vinyl chloride	BRL	10000		µg/Kg	47074	100	6/24/2004 8:47:00 PM
Surr: 4-Bromofluorobenzene	109	65.3-133		%REC	47074	100	6/24/2004 8:47:00 PM
Surr: Dibromofluoromethane	109	80.1-121		%REC	47074	100	6/24/2004 8:47:00 PM
Surr: Toluene-d8	102	67.8-145		%REC	47074	100	6/24/2004 8:47:00 PM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **YJ**
Cyanide,Reactive	BRL	0.833		mg/Kg	47104	1	6/25/2004 10:40:00 A
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **YJ**
Sulfide, Reactive	649	20.0	*	mg/Kg	47106	1	6/24/2004 4:30:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	6.8	1.0		pH Units	47105	1	6/25/2004 1:35:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406C14
Project: J&W Drums
Lab ID: 0406C14-004

Client Sample ID: JW-WA-09
Collection Date: 6/23/2004 3:42:00 PM
Matrix: SOLID

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**			Analyst: **JMZ**
Aroclor 1016	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1221	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1232	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1242	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1248	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1254	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Aroclor 1260	BRL	530		µg/Kg	47055	1	6/26/2004 12:39:00 A
Surr: Decachlorobiphenyl	82.3	20.9-163		%REC	47055	1	6/26/2004 12:39:00 A
Surr: Tetrachloro-m-xylene	78.0	28.6-126		%REC	47055	1	6/26/2004 12:39:00 A

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406C14
Project: J&W Drums
Lab ID: 0406C14-005

Client Sample ID: JW-WA-10
Collection Date: 6/23/2004 3:44:00 PM
Matrix: SOLID

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**			Analyst: **JMZ**
Aroclor 1016	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1221	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1232	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1242	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1248	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1254	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Aroclor 1260	BRL	100		µg/Kg	47055	1	6/26/2004 1:08:00 AM
Surr: Decachlorobiphenyl	57.9	20.9-163		%REC	47055	1	6/26/2004 1:08:00 AM
Surr: Tetrachloro-m-xylene	77.6	28.6-126		%REC	47055	1	6/26/2004 1:08:00 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-11
Lab Order: 0406C14
Collection Date: 6/23/2004 3:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-006
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3510)**		Analyst: **EP**
1,1'-Biphenyl	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2,4,5-Trichlorophenol	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
2,4,6-Trichlorophenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2,4-Dichlorophenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2,4-Dimethylphenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2,4-Dinitrophenol	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
2,4-Dinitrotoluene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2,6-Dinitrotoluene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2-Chloronaphthalene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2-Chlorophenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2-Methylnaphthalene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2-Methylphenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
2-Nitroaniline	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
2-Nitrophenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
3,3´-Dichlorobenzidine	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
3-Nitroaniline	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
4,6-Dinitro-2-methylphenol	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
4-Bromophenyl phenyl ether	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
4-Chloro-3-methylphenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
4-Chloroaniline	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
4-Chlorophenyl phenyl ether	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
4-Methylphenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
4-Nitroaniline	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
4-Nitrophenol	280	250		µg/L	47087	1	6/25/2004 12:15:00 P
Acenaphthene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Acenaphthylene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Acetophenone	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Anthracene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Atrazine	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benz(a)anthracene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benzaldehyde	290	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benzo(a)pyrene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benzo(b)fluoranthene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benzo(g,h,i)perylene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Benzo(k)fluoranthene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Bis(2-chloroethoxy)methane	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Bis(2-chloroethyl)ether	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Bis(2-chloroisopropyl)ether	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Bis(2-ethylhexyl)phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Butyl benzyl phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-11
Lab Order: 0406C14
Collection Date: 6/23/2004 3:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-006
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3510)**		Analyst: **EP**
Caprolactam	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Carbazole	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Chrysene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Dibenz(a,h)anthracene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Dibenzofuran	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Diethyl phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Dimethyl phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Di-n-butyl phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Di-n-octyl phthalate	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Fluoranthene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Fluorene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Hexachlorobenzene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Hexachlorobutadiene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Hexachlorocyclopentadiene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Hexachloroethane	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Indeno(1,2,3-cd)pyrene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Isophorone	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Naphthalene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Nitrobenzene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
N-Nitrosodi-n-propylamine	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
N-Nitrosodiphenylamine	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Pentachlorophenol	BRL	250		µg/L	47087	1	6/25/2004 12:15:00 P
Phenanthrene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Phenol	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Pyrene	BRL	100		µg/L	47087	1	6/25/2004 12:15:00 P
Surr: 2,4,6-Tribromophenol	646	47-146	S	%REC	47087	1	6/25/2004 12:15:00 P
Surr: 2-Fluorobiphenyl	487	37-135	S	%REC	47087	1	6/25/2004 12:15:00 P
Surr: 2-Fluorophenol	328	23.9-109	S	%REC	47087	1	6/25/2004 12:15:00 P
Surr: 4-Terphenyl-d14	468	21.9-145	S	%REC	47087	1	6/25/2004 12:15:00 P
Surr: Nitrobenzene-d5	613	32.3-136	S	%REC	47087	1	6/25/2004 12:15:00 P
Surr: Phenol-d5	262	10-109	S	%REC	47087	1	6/25/2004 12:15:00 P
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,1,1-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,1-Dichloroethene	5.6	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406C14
Project: J&W Drums
Lab ID: 0406C14-006

Client Sample ID: JW-WA-11
Collection Date: 6/23/2004 3:55:00 PM
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,2-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
2-Butanone	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
2-Hexanone	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
4-Methyl-2-pentanone	44	10		µg/L	47082	1	6/25/2004 1:37:00 PM
Acetone	790	200		µg/L	47082	10	6/25/2004 4:05:00 PM
Benzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Bromodichloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Bromoform	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Bromomethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Carbon disulfide	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Chlorobenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Chloroethane	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
Chloroform	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Chloromethane	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Cyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Dibromochloromethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
Ethylbenzene	7.3	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Freon-113	BRL	10		µg/L	47082	1	6/25/2004 1:37:00 PM
Isopropylbenzene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
m,p-Xylene	37	10		µg/L	47082	1	6/25/2004 1:37:00 PM
Methyl acetate	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Methylcyclohexane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Methylene chloride	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
o-Xylene	5.7	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Styrene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Tetrachloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Toluene	130	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Trichloroethene	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	47082	1	6/25/2004 1:37:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-11
Lab Order: 0406C14
Collection Date: 6/23/2004 3:55:00 PM
Project: J&W Drums
Lab ID: 0406C14-006
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
Vinyl chloride	BRL	2.0		µg/L	47082	1	6/25/2004 1:37:00 PM
Surr: 4-Bromofluorobenzene	115	63.1-121		%REC	47082	1	6/25/2004 1:37:00 PM
Surr: 4-Bromofluorobenzene	114	63.1-121		%REC	47082	10	6/25/2004 4:05:00 PM
Surr: Dibromofluoromethane	103	69.5-126		%REC	47082	10	6/25/2004 4:05:00 PM
Surr: Dibromofluoromethane	106	69.5-126		%REC	47082	1	6/25/2004 1:37:00 PM
Surr: Toluene-d8	107	74.2-120		%REC	47082	10	6/25/2004 4:05:00 PM
Surr: Toluene-d8	106	74.2-120		%REC	47082	1	6/25/2004 1:37:00 PM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **YJ**
Cyanide,Reactive	BRL	0.840		mg/Kg	47104	1	6/25/2004 10:40:00 A
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **YJ**
Sulfide, Reactive	33.8	20.0		mg/Kg	47106	1	6/24/2004 4:30:00 PM
LABORATORY HYDROGEN ION (PH)		**SW9040B**					Analyst: **DS**
pH	7.78	0.01		pH Units		1	6/24/2004 3:06:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-12
Lab Order: 0406C14
Collection Date: 6/23/2004 4:15:00 PM
Project: J&W Drums
Lab ID: 0406C14-007
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3510)**		Analyst: **EP**
1,1'-Biphenyl	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2,4,5-Trichlorophenol	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
2,4,6-Trichlorophenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2,4-Dichlorophenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2,4-Dimethylphenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2,4-Dinitrophenol	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
2,4-Dinitrotoluene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2,6-Dinitrotoluene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2-Chloronaphthalene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2-Chlorophenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2-Methylnaphthalene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2-Methylphenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
2-Nitroaniline	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
2-Nitrophenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
3,3´-Dichlorobenzidine	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
3-Nitroaniline	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
4,6-Dinitro-2-methylphenol	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
4-Bromophenyl phenyl ether	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
4-Chloro-3-methylphenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
4-Chloroaniline	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
4-Chlorophenyl phenyl ether	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
4-Methylphenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
4-Nitroaniline	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
4-Nitrophenol	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
Acenaphthene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Acenaphthylene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Acetophenone	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Anthracene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Atrazine	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benz(a)anthracene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benzaldehyde	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benzo(a)pyrene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Bis(2-chloroethoxy)methane	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Bis(2-chloroethyl)ether	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Bis(2-chloroisopropyl)ether	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Bis(2-ethylhexyl)phthalate	18	10		µg/L	47087	1	6/25/2004 12:52:00 P
Butyl benzyl phthalate	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Client Sample ID: JW-WA-12
Lab Order: 0406C14
Collection Date: 6/23/2004 4:15:00 PM
Project: J&W Drums
Lab ID: 0406C14-007
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**			Analyst: **EP**
Caprolactam	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Carbazole	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Chrysene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Dibenzofuran	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Diethyl phthalate	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Dimethyl phthalate	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Di-n-butyl phthalate	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Di-n-octyl phthalate	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Fluoranthene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Fluorene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Hexachlorobenzene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Hexachlorobutadiene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Hexachlorocyclopentadiene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Hexachloroethane	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Isophorone	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Naphthalene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Nitrobenzene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
N-Nitrosodi-n-propylamine	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
N-Nitrosodiphenylamine	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Pentachlorophenol	BRL	25		µg/L	47087	1	6/25/2004 12:52:00 P
Phenanthrene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Phenol	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Pyrene	BRL	10		µg/L	47087	1	6/25/2004 12:52:00 P
Surr: 2,4,6-Tribromophenol	72.6	47-146		%REC	47087	1	6/25/2004 12:52:00 P
Surr: 2-Fluorobiphenyl	63.7	37-135		%REC	47087	1	6/25/2004 12:52:00 P
Surr: 2-Fluorophenol	37.7	23.9-109		%REC	47087	1	6/25/2004 12:52:00 P
Surr: 4-Terphenyl-d14	61.0	21.9-145		%REC	47087	1	6/25/2004 12:52:00 P
Surr: Nitrobenzene-d5	63.6	32.3-136		%REC	47087	1	6/25/2004 12:52:00 P
Surr: Phenol-d5	28.2	10-109		%REC	47087	1	6/25/2004 12:52:00 P
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
1,1,1-Trichloroethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,1,2,2-Tetrachloroethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,1,2-Trichloroethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,1-Dichloroethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,1-Dichloroethene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,2,4-Trichlorobenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,2-Dibromo-3-chloropropane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,2-Dibromoethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406C14
Project: J&W Drums
Lab ID: 0406C14-007

Client Sample ID: JW-WA-12
Collection Date: 6/23/2004 4:15:00 PM
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**			**(SW5030B)**		Analyst: **TMP**
1,2-Dichlorobenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,2-Dichloroethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,2-Dichloropropane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,3-Dichlorobenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
1,4-Dichlorobenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
2-Butanone	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
2-Hexanone	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
4-Methyl-2-pentanone	150	50		µg/L	47082	5	6/25/2004 1:12:00 PM
Acetone	300	100		µg/L	47082	5	6/25/2004 1:12:00 PM
Benzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Bromodichloromethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Bromoform	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Bromomethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Carbon disulfide	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Carbon tetrachloride	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Chlorobenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Chloroethane	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
Chloroform	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Chloromethane	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
cis-1,2-Dichloroethene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
cis-1,3-Dichloropropene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Cyclohexane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Dibromochloromethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Dichlorodifluoromethane	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
Ethylbenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Freon-113	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
Isopropylbenzene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
m,p-Xylene	BRL	50		µg/L	47082	5	6/25/2004 1:12:00 PM
Methyl acetate	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Methyl tert-butyl ether	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Methylcyclohexane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Methylene chloride	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
o-Xylene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Styrene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Tetrachloroethene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Toluene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
trans-1,2-Dichloroethene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
trans-1,3-Dichloropropene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Trichloroethene	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM
Trichlorofluoromethane	BRL	25		µg/L	47082	5	6/25/2004 1:12:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
N	Analyte not NELAC certified	P	NELAC analyte certification pending
Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Lab Order: 0406C14
Project: J&W Drums
Lab ID: 0406C14-007

Client Sample ID: JW-WA-12
Collection Date: 6/23/2004 4:15:00 PM
Matrix: WASTE WATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**		**(SW5030B)**			Analyst: **TMP**
Vinyl chloride	BRL	10		µg/L	47082	5	6/25/2004 1:12:00 PM
Surr: 4-Bromofluorobenzene	106	63.1-121		%REC	47082	5	6/25/2004 1:12:00 PM
Surr: Dibromofluoromethane	105	69.5-126		%REC	47082	5	6/25/2004 1:12:00 PM
Surr: Toluene-d8	106	74.2-120		%REC	47082	5	6/25/2004 1:12:00 PM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **YJ**
Cyanide,Reactive	BRL	0.885		mg/Kg	47104	1	6/25/2004 10:40:00 A
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **YJ**
Sulfide, Reactive	38.6	20.0		mg/Kg	47106	1	6/24/2004 4:30:00 PM
LABORATORY HYDROGEN ION (PH)		**SW9040B**					Analyst: **DS**
pH	6.73	0.01		pH Units		1	6/24/2004 3:08:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 12:47 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204141.D
Name: 0406C14-001A *50 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	19.2	ug/L	156338	ISTD01	5.56	408109	50.0
1H-1,2,4-Triazole-3-carboxaldehyde	1.79	19.6	ug/L	159702	ISTD01	5.56	408109	50.0

V1204141.D VW052704.M Fri Jul 16 08:45:28 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 7:37 pm
Data File: D:\MSDCHEM\DATA\S40625\S062516.D
Name: 0406C14-001D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	41.8	ng	353497	1	4.18	338113	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 24 Jun 2004 8:23 pm
Data File: C:\HPCHEM\1\DATA\062404\V1204117.D
Name: 0406C14-002A *100 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	21.5	ug/L	132759	ISTD01	5.55	308960	50.0
Cyclohexane, 1,1-dimethyl	12.75	20.8	ug/L	214245	ISTD04	12.26	514666	50.0
n-Amylcyclohexane	13.03	20.9	ug/L	215388	ISTD04	12.26	514666	50.0
1-Methyldecahydronaphthalene	13.14	27.6	ug/L	284247	ISTD04	12.26	514666	50.0
Dodecane	13.35	22.7	ug/L	233240	ISTD04	12.26	514666	50.0
Naphthalene, decahydro-2,6-dimethyl	13.40	26.7	ug/L	275236	ISTD04	12.26	514666	50.0
Undecane, 2,6-dimethyl	13.45	41.0	ug/L	422537	ISTD04	12.26	514666	50.0
Bicyclo[3.1.1] heptane, 2,6,6-trimethyl	13.51	59.3	ug/L	610063	ISTD04	12.26	514666	50.0
Tetradecanoic acid, 2-oxo-, methyl	13.71	38.5	ug/L	396490	ISTD04	12.26	514666	50.0
Cyclohexane, butyl-	13.78	70.7	ug/L	727854	ISTD04	12.26	514666	50.0
Octane, 2,6-dimethyl	13.84	97.9	ug/L	1008210	ISTD04	12.26	514666	50.0
Cyclododecene, (E)-	13.93	49.1	ug/L	505834	ISTD04	12.26	514666	50.0
Tridecane	14.00	27.7	ug/L	285069	ISTD04	12.26	514666	50.0
Cyclohexane, 1,3-dimethyl-, cis-	14.17	47.9	ug/L	492660	ISTD04	12.26	514666	50.0
(3-Oxocyclopentyl)thioacetic acid	14.23	26.8	ug/L	275536	ISTD04	12.26	514666	50.0
Decane, 2-methyl-	14.31	34.5	ug/L	355020	ISTD04	12.26	514666	50.0
1,1'-Bicyclohexyl	14.38	60.4	ug/L	621712	ISTD04	12.26	514666	50.0
Heptylcyclohexane	14.43	26.7	ug/L	275222	ISTD04	12.26	514666	50.0
Dodecane, 2,6,11-trimethyl-	14.48	22.6	ug/L	232935	ISTD04	12.26	514666	50.0
Cyclohexane, 1-methyl-4-(1-metthylethyl)-, trans-	14.68	21.8	ug/L	224350	ISTD04	12.26	514666	50.0

V1204117.D VW052704.M Fri Jul 16 08:42:31 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 9:30 pm
Data File: D:\MSDCHEM\DATA\S40625\S062519.D
Name: 0406C14-002D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	34.3	ng	267051	1	4.18	311173	40.0
2-Propanol, 1-butoxy-	3.56	57.1	ng	444272	1	4.18	311173	40.0
Hexanoic acid, 2-oxo-, methyl ester	3.70	12.2	ng	94890	1	4.18	311173	40.0
Octane, 2,6-dimethyl-	6.07	5.9	ng	64354	2	5.50	434761	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 24 Jun 2004 8:47 pm
Data File: C:\HPCHEM\1\DATA\062404\V1204118.D
Name: 0406C14-003A *100X DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Naphthalene, decahydro-, trans	12.54	85.6	ug/L	1479280	ISTD04	12.26	863993	50.0
Undecane	12.61	158.9	ug/L	2745870	ISTD04	12.26	863993	50.0
Cyclohexane, 1-ethyl-2-propyl-	12.68	71.1	ug/L	1227780	ISTD04	12.26	863993	50.0
Cyclohexane, 1,4-dimethyl-, trans	12.75	102.3	ug/L	1768030	ISTD04	12.26	863993	50.0
Spiro[4.5]decane	12.94	108.6	ug/L	1875800	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-2-methyl-	13.00	163.3	ug/L	2821340	ISTD04	12.26	863993	50.0
Cyclopentane, 1-hexyl-3-methyl-	13.03	82.2	ug/L	1421130	ISTD04	12.26	863993	50.0
1-Methyldecahydronaphthalene	13.14	186.1	ug/L	3216370	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-2-methyl-	13.19	73.5	ug/L	1269790	ISTD04	12.26	863993	50.0
cis-Decalin, 2-syn-methyl-	13.30	127.5	ug/L	2203790	ISTD04	12.26	863993	50.0
Dodecane	13.35	262.9	ug/L	4542280	ISTD04	12.26	863993	50.0
Spiro[5.6]dodecane	13.40	144.5	ug/L	2496290	ISTD04	12.26	863993	50.0
Decalin, syn-1-methyl-, cis-	13.46	143.6	ug/L	2482060	ISTD04	12.26	863993	50.0
cis,trans-1,10-Dimethylspiro[4.5] decane	13.51	277.6	ug/L	4796370	ISTD04	12.26	863993	50.0
2(1H)-Naphthalenone, octahydro-8a-methyl	13.71	136.3	ug/L	2355370	ISTD04	12.26	863993	50.0
3-Tridecene, (E)-	13.75	198.7	ug/L	3433110	ISTD04	12.26	863993	50.0
Octane, 2,6-dimethyl	13.84	210.0	ug/L	3628720	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-1,5-dimethyl	13.93	131.7	ug/L	2274890	ISTD04	12.26	863993	50.0
Tridecane	14.00	221.1	ug/L	3820480	ISTD04	12.26	863993	50.0
Cyclohexane, 1,1,2-t	14.11	79.7	ug/L	1377090	ISTD04	12.26	863993	50.0

V1204118.D VW052704.M Fri Jul 16 08:44:51 2004

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 10:08 pm
Data File: D:\MSDCHEM\DATA\S40625\S062520.D
Name: 0406C14-003D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	91.0	ng	719725	1	4.18	316400	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 1:37 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204143.D
Name: 0406C14-006A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	175.0	ug/L	1324760	ISTD01	5.55	378560	50.0
Propene	1.32	43.5	ug/L	328986	ISTD01	5.55	378560	50.0
Sulfur dioxide	1.42	10.7	ug/L	81184	ISTD01	5.55	378560	50.0
1,1-Dichloro-1-fluoroethane	2.31	48.3	ug/L	365624	ISTD01	5.55	378560	50.0
Isopropyl Alcohol	2.69	39.6	ug/L	299684	ISTD01	5.55	378560	50.0
1-Propanethiol	2.75	20.4	ug/L	154725	ISTD01	5.55	378560	50.0
1-Propene, 3-chloro-	2.88	131.8	ug/L	997621	ISTD01	5.55	378560	50.0
2-Propen-1-ol	3.91	47.4	ug/L	359242	ISTD01	5.55	378560	50.0
1-Propanol	4.00	31.1	ug/L	235773	ISTD01	5.55	378560	50.0
Allyl mercaptan	4.04	45.5	ug/L	344810	ISTD01	5.55	378560	50.0
Silanol, dimethyl(1,1,2-trimethylpropyl)	4.68	18.3	ug/L	138873	ISTD01	5.55	378560	50.0
2-Hexanol	9.02	15.7	ug/L	122628	ISTD03	10.29	390259	50.0
Benzaldehyde	12.00	16.5	ug/L	132458	ISTD04	12.26	402422	50.0
1-Hexanol, 2-ethyl-	12.43	14.4	ug/L	116011	ISTD04	12.26	402422	50.0
Dodecane	13.34	37.5	ug/L	301508	ISTD04	12.26	402422	50.0
Dodecane, 6-methyl-	13.45	12.3	ug/L	98816	ISTD04	12.26	402422	50.0
Tridecane	13.71	11.8	ug/L	95042	ISTD04	12.26	402422	50.0
Cyclohexane, (1-octylnonyl)-	13.77	19.2	ug/L	154436	ISTD04	12.26	402422	50.0
Undecane, 2,6-dimethyl	13.84	18.1	ug/L	145576	ISTD04	12.26	402422	50.0
Tridecane	14.00	43.4	ug/L	349212	ISTD04	12.26	402422	50.0

V1204143.D VW052704.M Fri Jul 16 08:46:29 2004

Tentatively Identified Compound (LSC) summary

Operator ID: BP Date Acquired: 25 Jun 2004 12:15 pm
Data File: C:\HPCHEM\1\DATA\N40625\N4062508.D
Name: 0406C14-006B 47087
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title: CCV CURVE 12/3/03
Library Searched: C:\DATABASE\NIST98.l

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydroxy-4-methyl-	2.43	378.6	ng	3678730	ISTD01	4.42	388654	40.0
Ethanol, 2-butoxy-	3.37	38.4	ng	372894	ISTD01	4.42	388654	40.0
Perfluoro(methylcyclohexane)	5.97	40.0	ng	6379240	ISTD02	5.84	6379240	40.0
Tridecane	6.66	14.5	ng	2306650	ISTD02	5.84	6379240	40.0
Tridecane, 2-methyl-	7.20	12.3	ng	441207	ISTD03	8.48	1438810	40.0
Tetradecane	7.53	27.6	ng	991668	ISTD03	8.48	1438810	40.0
Ethyl Vanillin	8.15	19.6	ng	704554	ISTD03	8.48	1438810	40.0
1-Decene	8.21	27.1	ng	973444	ISTD03	8.48	1438810	40.0
1H-Benzotriazole, 5-methyl-	8.89	41.4	ng	1490490	ISTD03	8.48	1438810	40.0
1H-Benzotriazole, 5-methyl-	9.33	96.1	ng	3456950	ISTD03	8.48	1438810	40.0
Cyclododecane	10.09	30.3	ng	448351	ISTD04	11.28	592688	40.0
Tetradecyltrimethylammonium bromide	10.38	90.4	ng	1339800	ISTD04	11.28	592688	40.0
Tritetracontane	10.48	26.1	ng	387000	ISTD04	11.28	592688	40.0
Tris(3-chloropropyl) phosphate	11.36	65.7	ng	973954	ISTD04	11.28	592688	40.0
Cetrimonium Bromide	12.16	29.6	ng	438807	ISTD04	11.28	592688	40.0
n-Hexadecanoic acid	12.63	34.1	ng	505086	ISTD04	11.28	592688	40.0
Dodecane, 1-(methoxymethoxy)	12.94	30.0	ng	444904	ISTD04	11.28	592688	40.0
1-Octadecene	13.66	121.3	ng	1797530	ISTD04	11.28	592688	40.0
9-Octadecenoic acid, (E)-	14.12	63.1	ng	1243560	ISTD05	16.83	788318	40.0
.beta.-Methoxyethoxymethyl chloride	15.14	19.7	ng	388857	ISTD05	16.83	788318	40.0
2-Amino-4,6-dihydroxypyrimidine	18.49	5.1	ng	3102270	ISTD06	19.66	24295900	40.0
Glycerol tricaprylate	20.73	43.8	ng	26578700	ISTD06	19.66	24295900	40.0
1'-Acetonaphthone	21.87	18.9	ng	11493900	ISTD06	19.66	24295900	40.0

N4062508.D B030404.M Tue Jul 20 10:19:05 2004

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 1:12 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204142.D
Name: 0406C14-007A *5
Misc: SAMP 8260 TCL4.2 W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	93.2	ug/L	614450	ISTD01	5.56	329748	50.0
2-Pentanol, 4-methyl	9.02	16.1	ug/L	121323	ISTD03	10.28	377803	50.0

V1204142.D VW052704.M Fri Jul 16 08:46:02 2004

Tentatively Identified Compound (LSC) summary

Operator ID: BP Date Acquired: 25 Jun 2004 12:52 pm
Data File: C:\HPCHEM\1\DATA\N40625\N4062509.D
Name: 0406C14-007B 47087
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title: CCV CURVE 12/3/03
Library Searched: C:\DATABASE\NIST98.l

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Methylene Chloride	2.40	60.0	ng	616783	ISTD01	4.42	411509	40.0
1H-Benzotriazole, 5-methyl- 5-	8.83	28.0	ng	446040	ISTD03	8.48	636256	40.0
1-Dodecanamine, N,N-dimethyl-	10.37	93.8	ng	1609030	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.46	9.3	ng	159910	ISTD04	11.27	686067	40.0
Dimethyl ionone	10.52	14.2	ng	242842	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.59	9.1	ng	155334	ISTD04	11.27	686067	40.0
Tricyclo[3.3.1.13,7]decanone,4-iodo-,	10.64	4.7	ng	80483	ISTD04	11.27	686067	40.0
Phenol, nonyl-	10.72	9.9	ng	170059	ISTD04	11.27	686067	40.0
1,3-Cyclopentadiene, 5,5-dimethyl-1,2-Dipropyl	10.81	4.7	ng	80335	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.88	10.6	ng	182283	ISTD04	11.27	686067	40.0
Acetamide, N-(2-methylphenyl)-	10.93	6.7	ng	115159	ISTD04	11.27	686067	40.0
4-Amino-2-methyl-5,6-trimethylenepyrimidine	10.97	6.0	ng	102685	ISTD04	11.27	686067	40.0
1-Nonadecanamine, N,N-dimethyl	12.18	60.4	ng	1036400	ISTD04	11.27	686067	40.0
Decanamide, N-(2-hydroxyethyl)	14.12	7.1	ng	126966	ISTD05	16.84	714113	40.0
2-Ethyl-5-(12-tridecenyl)pyrrolidine	15.52	6.2	ng	110788	ISTD05	16.84	714113	40.0
Cyclobutene, bis(1-methylethylidene)	15.58	8.4	ng	150069	ISTD05	16.84	714113	40.0
2-Pyrrolidinone	15.69	9.0	ng	161111	ISTD05	16.84	714113	40.0
Benzenemethanol, ar,ar,.alpha.-trimethyl-	16.12	8.5	ng	151987	ISTD05	16.84	714113	40.0

N4062509.D B030404.M Tue Jul 20 10:24:30 2004

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Tetra Tech Work Order Number 0406C14

Checklist completed by Nyeme Gibar 6/24/04
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 4.3°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by N.O

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No:
SDG No: L

Date Shipped:	6/24/2004	**Chain of Custody Record**	
Carrier Name:	Tetra Tech	**Relinquished By** (Date / Time)	**Received By** (Date / Time)
Airbill:		1 John Schendel 6/24/04 1345	Alan Con 6/24/4 13:45
Shipped to:	Analytical Environmental Services, Inc. 3785 Presidential Parkway Norcross GA 30340 (770) 457-8177	2	
		3	
		4	

Sampler Signature: John Schendel

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
JW-WA-04	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	290 (Ice Only), 304 (Ice Only), 328 (Ice Only), 330 (4)	JW-WA-04	S: 6/23/2004	14:00	
JW-WA-05	Other (Unknown)	/G	NASB (1)	345 (Ice Only) (1)	JW-WA-05	S: 6/23/2004	14:15	
JW-WA-06	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	297, 346 (Ice Only), 347 (Ice Only), 348 (Ice Only) (4)	JW-WA-06	S: 6/23/2004	14:30	
JW-WA-07	Waste/ Neil Daniell	H/G	pH (1), SVOC (1), TMRCRS (1), VOC 1 (1)	305, 349 (Ice Only), 350 (Ice Only), 351 (Ice Only) (4)	JW-WA-07	S: 6/23/3004	14:55	
JW-WA-09	Other (Unknown)/ Ann Felkel	H/G	AS_PCB (1)	332 (Ice Only) (1)	JW-WA-09	S: 6/23/2004	15:42	
JW-WA-10	Other (Unknown)/ Ann Felkel	H/G	AS_PCB (1)	333 (Ice Only) (1)	JW-WA-10	S: 6/23/2004	15:44	
JW-WA-11	Wastewater/ Alan Whitt	H/G	pH (1), RE_CY_SU (1), SVOC 2 (1), VOC (1)	316, 317 (NaOH), 320 (HCL), 321 (HCL), 322 (HCL), 352 (Ice Only), 353 (Ice Only) (7)	JW-WA-11	S: 6/23/2004	15:55	
JW-WA-12	Wastewater/ Neil Daniell	H/G	pH (1), RE_CY_SU (1), SVOC 2 (1), VOC (1)	323, 324 (NaOH), 343 (Ice Only), 344 (Ice Only), 354 (HCL), 355 (HCL), 356 (HCL) (7)	JW-WA-12	S: 6/23/2004	16:15	

- POTENTIAL BIOLOGICAL HAZARDS.
- 24 HOUR TURN ON PRELIMINARY RESULTS.
- SEND VIA E-MAIL RESULTS AND INVOICE TO JOHN.SCHENDEL@TTEMI.COM (CALL HIM AT 678-773-5803)
- VOC = TCL VOCs
- SVOC = TCL SVOCs
- METALS = TAL METALS

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Cooler Temperature Upon Receipt:**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Custody Seal Intact?** ___	**Shipment Iced?** ___

AS_PCB = Asbestos and PCB, NASB = NCLP Asbestos, pH = pH, RE_CY_SU = Reactive Cyanide and Sulfide, SVOC = SVOC, SVOC 2 = SVOC (2), TMRCRS = Total Metals/Reactive Cyanide/Reactive Su, VOC = VOC, VOC 1 = VOC (1)

TR Number: 4-005534094-062404-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

LABORATORY COPY

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

CLIENT: Tetra Tech EM Inc.
Project: J&W Drums
Lab Order: 0406C14

CASE NARRATIVE

Volatile Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 0406C14-002A, -003A, and -007A required a dilution during preparation and/or analysis resulting in elevated reporting limits.

Metals Analysis by Method 6010B:

Matrix spike recovery for Cu, Mn, Zn on sample 0406B33-003B was outside control. LCS recovery was within control limits indicating possible matrix interference. Matrix spike recovery for Al, Ca, Fe, Mg, K, on sample 0406B33-003B was outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits. RPD value for Ca, Cr, Cu, Fe, Mg, Ni, K on sample 0406B33-003B was outside advisory control limits due to suspected non-homogeneous sample matrix.

Semivolatile Analysis by Method 8270C:

Percent recovery for all surrogate spiking compounds on sample 0406C14-006 were outside control limits biased high due to suspected matrix interference. All other surrogate recoveries were within control limits.

Matrix spike recovery for several analytes on sample 0406B78-001BMSD were outside control limits biased low. LCS recovery was within control limits indicating possible matrix interference.

RPD values for 2,4-Dinitrotoluene and N-Nitrosodi-n-propylamine on sample 0406B78-001BMSD were outside advisory control limits due to suspected non-homogeneous sample matrix. All percent recoveries were within control limits.

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 2:46:39 P**
Prep End Date: **6/25/2004 2:45:00 P**

Prep Batch **47082** Prep Code: **5030** Technician: **Toi Patin**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-001A	Aqueous		5	0	0	5	1.000	6/24/2004	6/25/2004
0406B33-002A	Aqueous		5	0	0	5	1.000	6/24/2004	6/25/2004
0406B78-001A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 1.96 days.									
0406B78-002A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 2.08 days.									
0406B78-003A	Water		5	0	0	5	1.000	6/24/2004	6/25/2004
The prep HoldTime was exceeded by 1.03 days.									
0406C07-001A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-001AMS	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-001AMSD	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-002A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-003A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C07-004A	Groundwater		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C14-006A	Waste Water		5	0	0	5	1.000	6/24/2004	6/25/2004
0406C14-007A	Waste Water		5	0	0	5	1.000	6/24/2004	6/25/2004
LCS-47082			5	0	0	5	1.000	6/24/2004	6/25/2004
MB-47082			5	0	0	5	1.000	6/24/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **0406C07-001AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.45	5.0	50	0	86.9	51.1	151	0	0		
Benzene	46.29	5.0	50	0	92.6	68.9	131	0	0		
Chlorobenzene	49.62	5.0	50	0	99.2	75.4	123	0	0		
Toluene	50.6	5.0	50	0	101	74.8	128	0	0		
Trichloroethene	51.8	5.0	50	0	104	66.3	145	0	0		
Surr: 4-Bromofluorobenzene	54.14	0	50	0	108	63.1	121	0	0		
Surr: Dibromofluoromethane	52.81	0	50	0	106	69.5	126	0	0		
Surr: Toluene-d8	49.35	0	50	0	98.7	74.2	120	0	0		

Sample ID: **0406C07-001AMSD**	SampType: **MSD**	TestCode: **8260_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.13	5.0	50	0	86.3	51.1	151	43.45	0.739	14.3	
Benzene	45.24	5.0	50	0	90.5	68.9	131	46.29	2.29	10	
Chlorobenzene	50.26	5.0	50	0	101	75.4	123	49.62	1.28	10	
Toluene	48.42	5.0	50	0	96.8	74.8	128	50.6	4.40	10	
Trichloroethene	49.92	5.0	50	0	99.8	66.3	145	51.8	3.70	11	
Surr: 4-Bromofluorobenzene	54.18	0	50	0	108	63.1	121	54.14	0	0	
Surr: Dibromofluoromethane	51.59	0	50	0	103	69.5	126	52.81	0	0	
Surr: Toluene-d8	48.48	0	50	0	97	74.2	120	49.35	0	0	

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	51.87	5.0	50	0	104	63.1	121	0	0		
Surr: Dibromofluoromethane	54.34	5.0	50	0	109	69.5	126	0	0		
Surr: Toluene-d8	49.94	5.0	50	0	99.9	74.2	120	0	0		

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008686**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	BRL	5.0									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.69	5.0	50	0	107	63.1	121	0	0		
Surr: Dibromofluoromethane	53.74	5.0	50	0	107	69.5	126	0	0		
Surr: Toluene-d8	52.3	5.0	50	0	105	74.2	120	0	0		

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082**	SampType: **MBLK**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Hexachlorobutadiene	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **MB-47082** SampType: **MBLK** TestCode: **8260B_W** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52578**
Client ID: Batch ID: **47082** TestNo: **SW8260B** Analysis Date: **6/25/2004** SeqNo: **1008908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	53.2	5.0	50	0	106	63.1	121	0	0		
Surr: Dibromofluoromethane	54.18	5.0	50	0	108	69.5	126	0	0		
Surr: Toluene-d8	51.11	5.0	50	0	102	74.2	120	0	0		

Sample ID: **LCS-47082** SampType: **LCS** TestCode: **8260B_W** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52530**
Client ID: Batch ID: **47082** TestNo: **SW8260B** Analysis Date: **6/24/2004** SeqNo: **1007598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.26	5.0	50	0	84.5	58.1	142	0	0		
Benzene	47.46	5.0	50	0	94.9	74	127	0	0		
Chlorobenzene	50.81	5.0	50	0	102	79.8	118	0	0		
Toluene	51.09	5.0	50	0	102	78.5	124	0	0		
Trichloroethene	54.43	5.0	50	0	109	74.2	138	0	0		
Surr: 4-Bromofluorobenzene	51.7	5.0	50	0	103	63.1	121	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47082

Sample ID: **LCS-47082**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1007598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	52.34	5.0	50	0	105	69.5	126	0	0		
Surr: Toluene-d8	50.95	5.0	50	0	102	74.2	120	0	0		

Sample ID: **LCS-47082**	SampType: **LCS**	TestCode: **8260B_W**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52566**
Client ID:	Batch ID: **47082**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	43.22	5.0	50	0	86.4	58.1	142	0	0		
Benzene	45.73	5.0	50	0	91.5	74	127	0	0		
Chlorobenzene	46.82	5.0	50	0	93.6	79.8	118	0	0		
Toluene	48.77	5.0	50	0	97.5	78.5	124	0	0		
Trichloroethene	51.92	5.0	50	0	104	74.2	138	0	0		
Surr: 4-Bromofluorobenzene	53.14	5.0	50	0	106	63.1	121	0	0		
Surr: Dibromofluoromethane	51.97	5.0	50	0	104	69.5	126	0	0		
Surr: Toluene-d8	50.19	5.0	50	0	100	74.2	120	0	0		

Qualifiers:

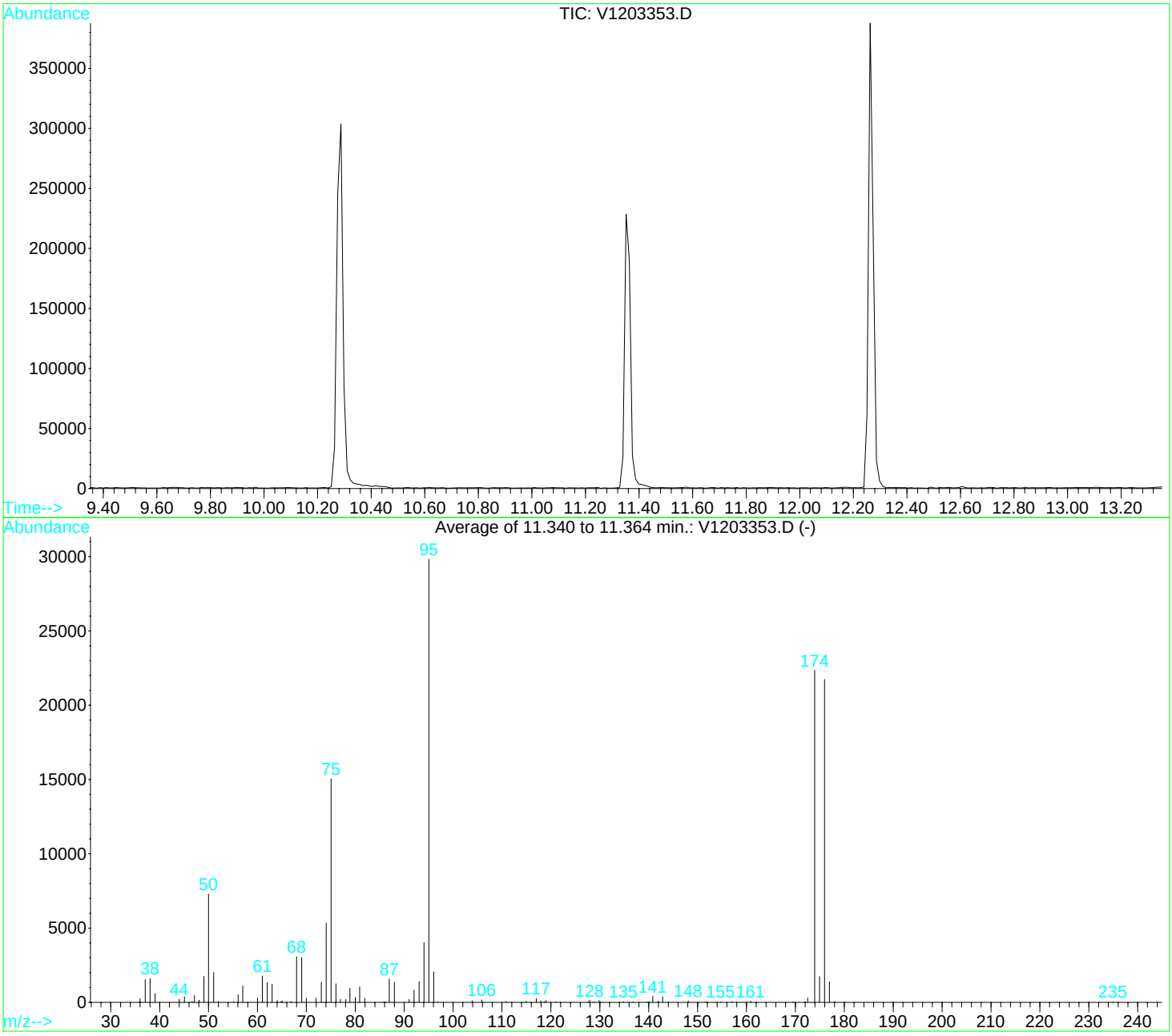
B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: C:\HPCHEM\1\DATA\052704

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1203351.D	1.	BLANK	BLANK	27 May 2004 08:31
2	2	V1203352.D	1.	BLANK	BLANK	27 May 2004 08:56
3	3	V1203353.D	1.	BFB	TUNE BFB_4	27 May 2004 09:21
4	4	V1203354.D	1.	8260 ICAL 002 W	ICAL 8260B_W_CLP	27 May 2004 09:52
5	5	V1203355.D	1.	8260 ICAL 005 W	ICAL 8260B_W_CLP	27 May 2004 10:43
6	6	V1203356.D	1.	8260 ICAL 010 W	ICAL 8260B_W_CLP	27 May 2004 11:08
7	7	V1203357.D	1.	8260 ICAL 020 W	ICAL 8260B_W_CLP	27 May 2004 11:33
8	8	V1203358.D	1.	8260 ICAL 030 W	ICAL 8260B_W_CLP	27 May 2004 12:30
9	9	V1203359.D	1.	8260 ICAL 050 W	ICAL 8260B_W_CLP	27 May 2004 12:55
10	10	V1203360.D	1.	8260 ICAL 100 W	ICAL 8260B_W_CLP	27 May 2004 13:20
11	11	V1203361.D	1.	8260 ICAL 150 W	ICAL 8260B_W_CLP	27 May 2004 13:45
12	12	V1203362.D	1.	8260 ICAL 200 W	ICAL 8260B_W_CLP	27 May 2004 14:10
13	13	V1203363.D	1.	MB----------	MBLK 8260B_W_CLP	27 May 2004 14:35
14	14	V1203364.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 15:00
15	15	V1203365.D	1.	BFB	TUNE BFB_4	27 May 2004 16:05
16	16	V1203366.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 16:30
17	17	V1203367.D	1.	MB----------	MBLK 8260B_W	27 May 2004 16:56
18	18	V1203368.D	1.	APPIX IX STD 4	CCV 8260B_W	27 May 2004 17:21
19	19	V1203369.D	1.	MB-45785	MBLK 8260B_W	27 May 2004 17:46
20	20	V1203370.D	1.	0405649-008A	SAMP 8260_A2_W	27 May 2004 18:11

Data File : C:\HPCHEM\1\DATA\052704\V1203353.D Vial: 3
Acq On : 27 May 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.364 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	7291	PASS
75	95	30	60	50.4	15046	PASS
95	95	100	100	100.0	29830	PASS
96	95	5	9	6.9	2057	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	22347	PASS
175	174	5	9	7.8	1747	PASS
176	174	95	101	97.3	21737	PASS
177	176	5	9	6.3	1378	PASS

V1203353.D VW052704.M Fri May 28 11:05:19 2004

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
1)		Pentafluorobenzene	ISTD							
2)	T	Dichlorodifluoromet	0.405	0.368	0.343	0.381	0.372	0.382	0.368	8.54
3)	pcc	Chloromethane	0.593	0.618	0.520	0.517	0.512	0.475	0.530	10.51
4)	ccc	Vinyl chloride	0.465	0.431	0.400	0.410	0.376	0.358	0.404	10.43
5)	T	Bromomethane	0.237	0.246	0.176	0.139	0.165	0.149	0.186	22.26
6)	T	Chloroethane	0.270	0.293	0.233	0.191			0.258	14.96
7)	T	Trichlorofluorometh	0.699	0.677	0.616	0.667	0.715	0.697	0.675	6.03
8)	T	Acrolein	0.069	0.065	0.067	0.062	0.059		0.064	6.32
9)	ccc	1,1-Dichloroethene	0.519	0.402	0.442	0.409	0.415	0.338	0.423	13.34
10)		Freon-113	0.396	0.333	0.336	0.308	0.305	0.266	0.327	12.49
11)	T	Acetone	0.088	0.097	0.080		0.056	0.056	0.072	23.13
12)	T	Iodomethane	0.745	0.700	0.680	0.645	0.658	0.601	0.681	7.53
13)	T	Carbon disulfide	1.632	1.447	1.422	1.316	1.314	1.078	1.384	12.92
14)		Methyl Acetate	1.055	0.944	0.954	0.804	0.782		0.885	13.58
15)	T	Vinyl acetate	0.528	0.472	0.477	0.402	0.391		0.443	13.58
16)	T	Methylene chloride	0.810	0.611	0.561	0.481	0.457	0.416	0.616	38.07
17)	T	Acrylonitrile	0.281	0.275	0.262	0.238	0.233	0.200	0.248	11.34
18)		Methyl tert-butyl e	1.483	1.394	1.442	1.363	1.435	1.379	1.415	2.81
19)	T	trans-1,2-Dichloroe	0.592	0.505	0.500	0.486	0.477	0.427	0.505	10.39
20)	pcc	1,1-Dichloroethane	1.178	1.095	1.062	0.986	1.034	1.023	1.070	5.81
21)	T	2,2-Dichloropropane	0.443	0.415	0.430	0.391	0.405	0.412	0.413	6.98
22)	T	cis-1,2-Dichloroeth	0.529	0.507	0.529	0.511	0.544	0.556	0.535	3.21
23)	T	2-Butanone	0.065	0.088	0.081	0.073	0.070	0.080	0.074	10.41
24)	T	Bromochloromethane	0.258	0.242	0.266	0.234	0.233	0.243	0.249	5.38
25)	ccc	Chloroform	1.122	0.958	0.846	0.789	0.808	0.822	0.877	12.71
26)		Cyclohexane	1.033	0.858	0.835	0.769	0.821	0.812	0.848	9.40
27)	T	1,1,1-Trichloroetha	0.641	0.595	0.612	0.595	0.609	0.638	0.614	4.37
28)	I	1,4-Difluorobenzene	ISTD							
29)	S	Dibromofluoromethan	0.313	0.299	0.280	0.279	0.301	0.298	0.299	6.17
30)	T	1,1-Dichloropropene	0.137	0.117	0.138	0.136	0.140	0.144	0.138	6.16
31)	T	Carbon tetrachlorid	0.291	0.275	0.306	0.312	0.334	0.365	0.313	9.55
32)	M	Benzene	1.273	1.284	1.361	1.316	1.339	1.339	1.300	6.28
33)	T	1,2-Dichloroethane	0.432	0.437	0.455	0.431	0.440	0.453	0.440	1.93
34)	M	Trichloroethene	0.231	0.267	0.292	0.280	0.291	0.321	0.289	10.04
35)		Methylcyclohexane	0.213	0.211	0.276	0.276	0.296	0.300	0.268	13.49
36)	ccc	1,2-Dichloropropane	0.356	0.346	0.362	0.343	0.346	0.340	0.340	6.61
37)	T	Dibromomethane	0.173	0.174	0.186	0.184	0.182	0.185	0.179	5.20
38)	T	Bromodichloromethan	0.302	0.286	0.340	0.321	0.328	0.350	0.322	6.52
39)	T	2-Chloroethyl vinyl	0.199	0.259	0.309	0.313	0.325	0.317	0.290	14.87
40)	T	cis-1,3-Dichloropro	0.334	0.379	0.398	0.430	0.441	0.456	0.401	12.33
41)	T	4-Methyl-2-pentanon	0.276	0.326	0.390	0.371	0.374	0.362	0.339	14.46
42)	S	Toluene-d8	0.831	0.995	0.977	0.968	1.011	0.992	0.953	6.12
43)	ccc	Toluene	0.611	0.678	0.737	0.724	0.731	0.723	0.687	8.89
44)	T	trans-1,3-Dichlorop	0.228	0.280	0.329	0.369	0.381	0.402	0.335	18.53
45)	T	1,1,2-Trichloroetha	0.186	0.200	0.198	0.196	0.198	0.201	0.191	6.28
46)	I	Chlorobenzene-d5	ISTD							
47)	T	2-Hexanone	0.245	0.310	0.351	0.368	0.362	0.373	0.340	12.85
48)	T	Tetrachloroethene	0.324	0.300	0.309	0.312	0.325	0.322	0.318	3.60
49)	T	1,3-Dichloropropane	0.560	0.570	0.642	0.587	0.629	0.615	0.594	7.70
50)	T	Dibromochloromethan	0.297	0.290	0.299	0.317	0.328	0.337	0.309	6.74
51)	T	1,2-Dibromoethane	0.296	0.300	0.324	0.311	0.322	0.331	0.307	8.56
52)	pcc	Chlorobenzene	0.982	1.012	1.023	0.973	1.032	1.011	1.018	4.05#
53)	T	1,1,1,2-Tetrachloro	0.265	0.266	0.282	0.306	0.325	0.347	0.294	13.75
54)	ccc	Ethylbenzene	1.358	1.480	1.597	1.620	1.715	1.730	1.566	11.55
55)	T	m,p-Xylene	1.060	1.098	1.282	1.240	1.321	1.280	1.191	12.80
56)	T	o-Xylene	0.950	1.052	1.187	1.232	1.310	1.313	1.198	11.12
57)	T	Styrene	0.832	0.919	1.039	1.052	1.078	1.049	1.009	8.60

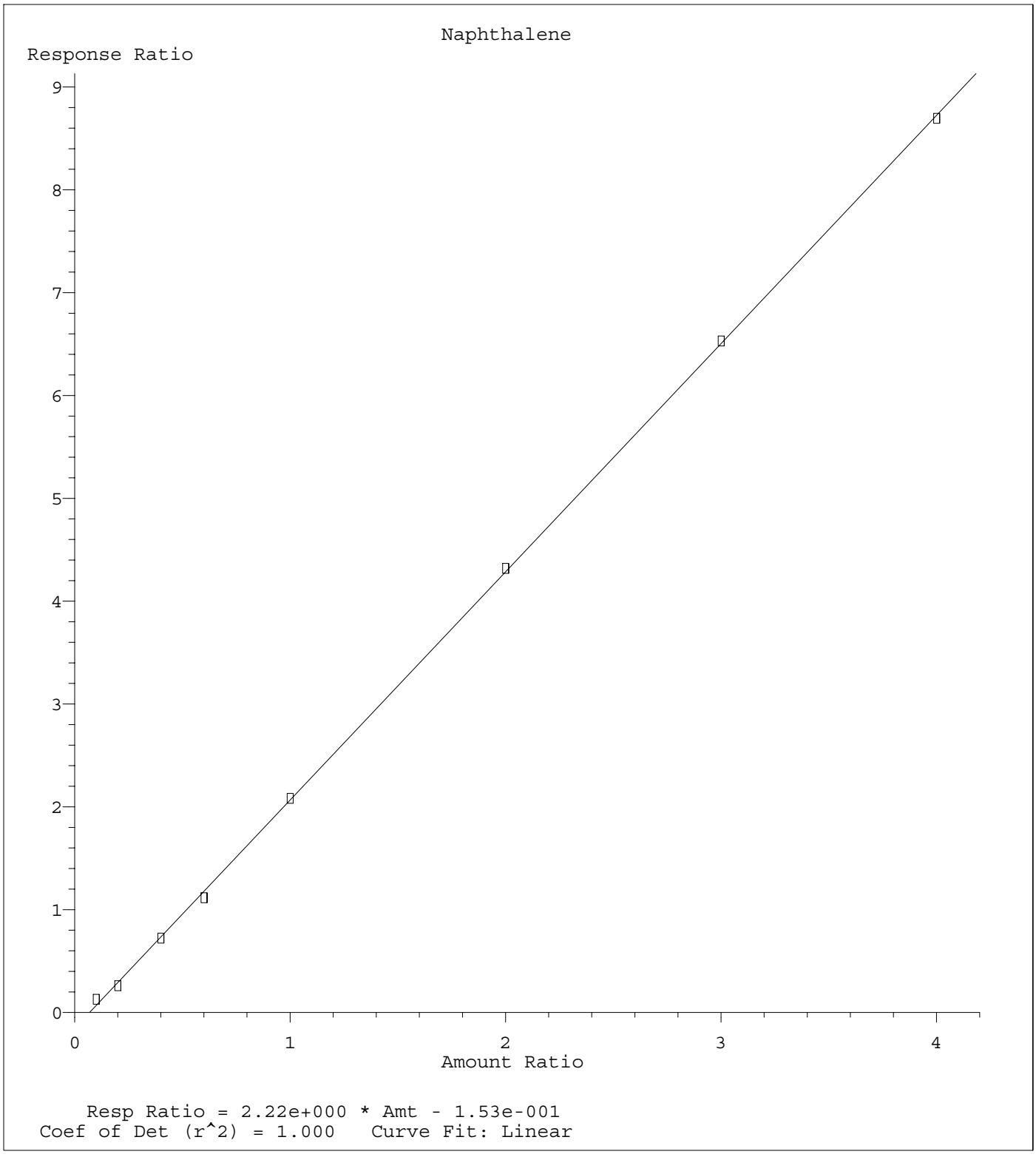
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

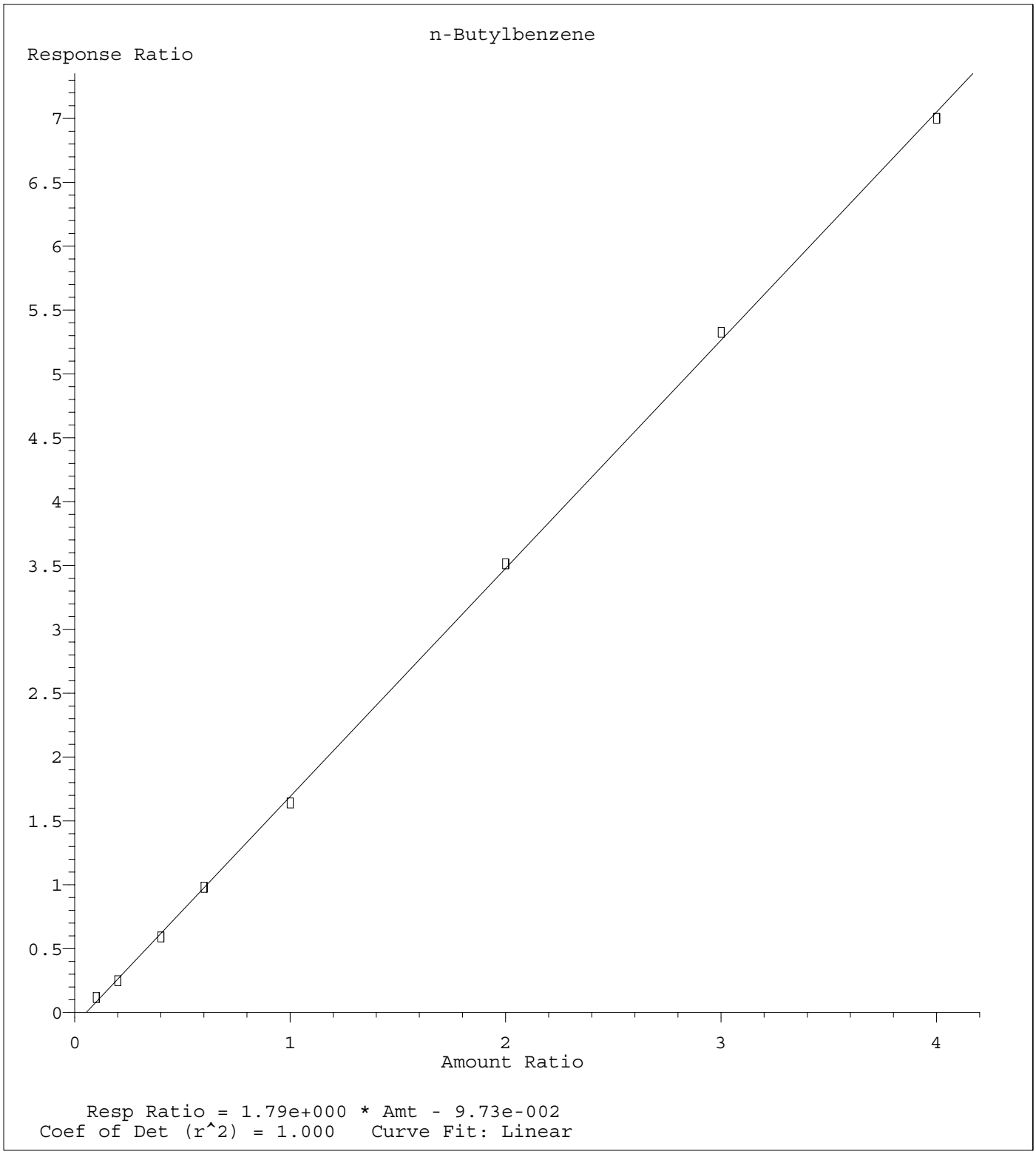
Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
58)	pcc	Bromoform	0.188	0.177	0.207	0.209	0.230	0.248	0.211	12.02#
59)	S	4-Bromofluorobenzen	0.342	0.435	0.423	0.442	0.490	0.499	0.431	13.51
60)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
61)	T	Bromobenzene	0.644	0.679	0.648	0.705	0.730	0.720	0.674	9.31
62)	pcc	1,1,2,2-Tetrachloro	0.867	0.777	0.785	0.830	0.814	0.676	0.796	8.07
63)	T	1,2,3-Trichloroprop	1.127	1.089	1.241	1.292	1.348	1.356	1.241	9.74
64)	T	Isopropylbenzene	1.675	1.765	2.101	2.315	2.394	2.456	2.175	14.02
65)	T	n-Propylbenzene	2.456	2.626	2.929	3.015	3.124	3.158	2.837	13.65
66)	T	trans-1,4-Dichloro-	0.038	0.028	0.043	0.055	0.055	0.058	0.048	22.36
67)	T	2-Chlorotoluene	1.657	1.758	1.896	1.908	2.008	2.013	1.847	11.92
68)	T	4-Chlorotoluene	1.915	2.113	2.169	2.281	2.346	2.369	2.170	10.44
69)	T	1,3,5-Trimethylbenz	1.576	1.545	1.820	1.913	2.033	2.011	1.854	10.55
70)	T	tert-Butylbenzene	1.256	1.290	1.627	1.752	1.849	1.911	1.653	15.49
71)	T	1,2,4-Trimethylbenz	1.519	1.711	1.987	2.057	2.154	2.198	1.987	12.37
72)	T	sec-Butylbenzene	1.522	1.617	1.936	2.057	2.197	2.265	1.987	14.20
73)	T	1,3-Dichlorobenzene	1.225	1.110	1.265	1.249	1.247	1.251	1.199	7.55
74)	T	4-Isopropyltoluene	1.428	1.503	1.826	1.883	1.968	2.011	1.803	12.25
75)	T	1,4-Dichlorobenzene	1.421	1.224	1.294	1.290	1.329	1.294	1.329	4.98
76)	T	1,2-Dichlorobenzene	1.189	1.236	1.249	1.228	1.264	1.227	1.214	6.06
77)	T	n-Butylbenzene	1.166	1.244	1.479	1.640	1.756	1.750	1.555	15.26
78)	T	1,2-Dibromo-3-chlor	0.121	0.125	0.142	0.131	0.145	0.149	0.133	13.37
79)	T	1,2,4-Trichlorobenz	0.506	0.461	0.541	0.622	0.657	0.691	0.596	14.61
80)	T	Hexachlorobutadiene	0.242	0.214	0.219	0.227	0.244	0.264	0.229	12.00
81)	T	Naphthalene	1.280	1.303	1.808	2.083	2.159	2.174	1.855	20.25
82)	T	1,2,3-Trichlorobenz	0.433	0.561	0.554	0.603	0.640	0.646	0.570	13.11

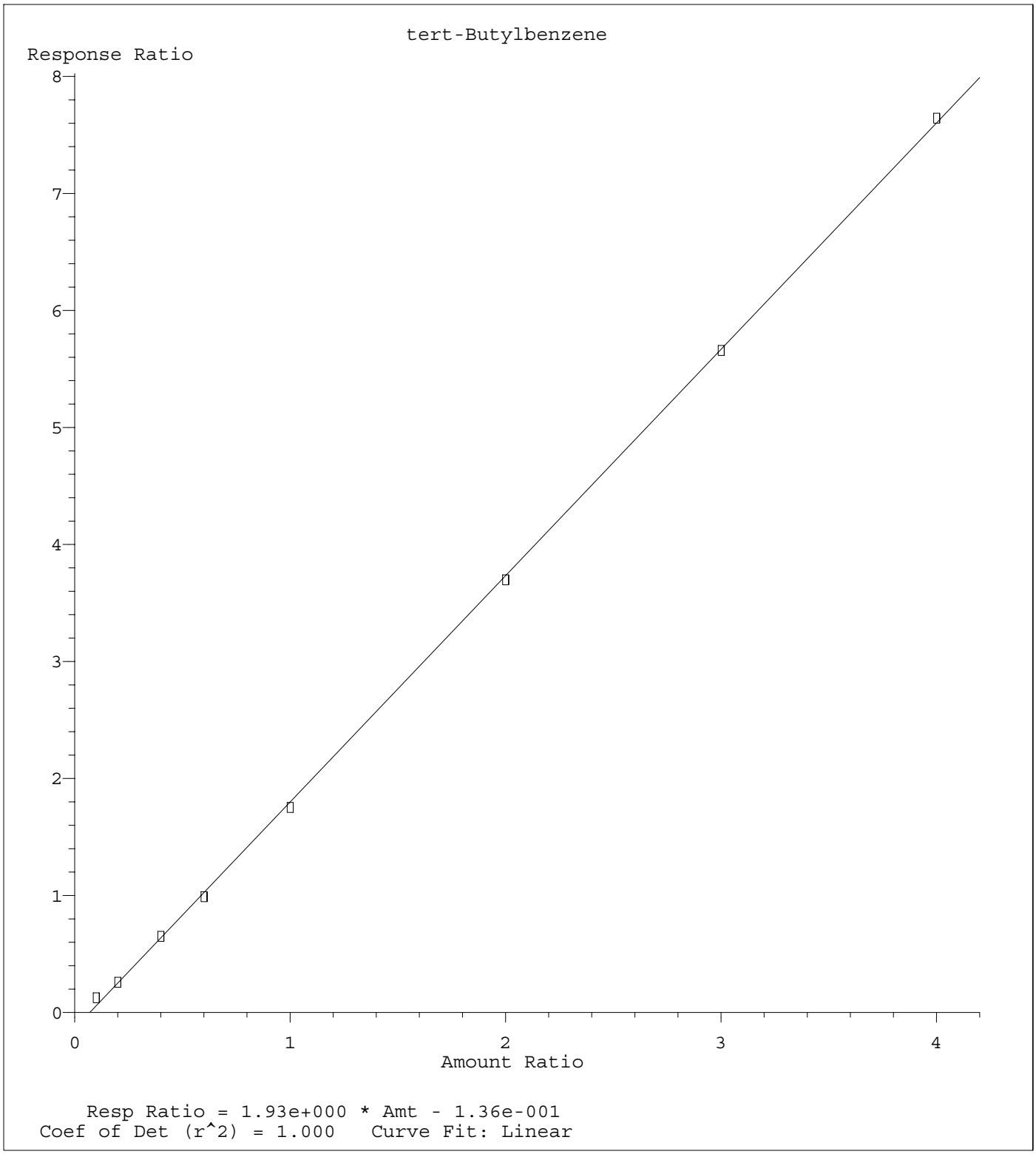
(#) = Out of Range ### Number of calibration levels exceeded format ###



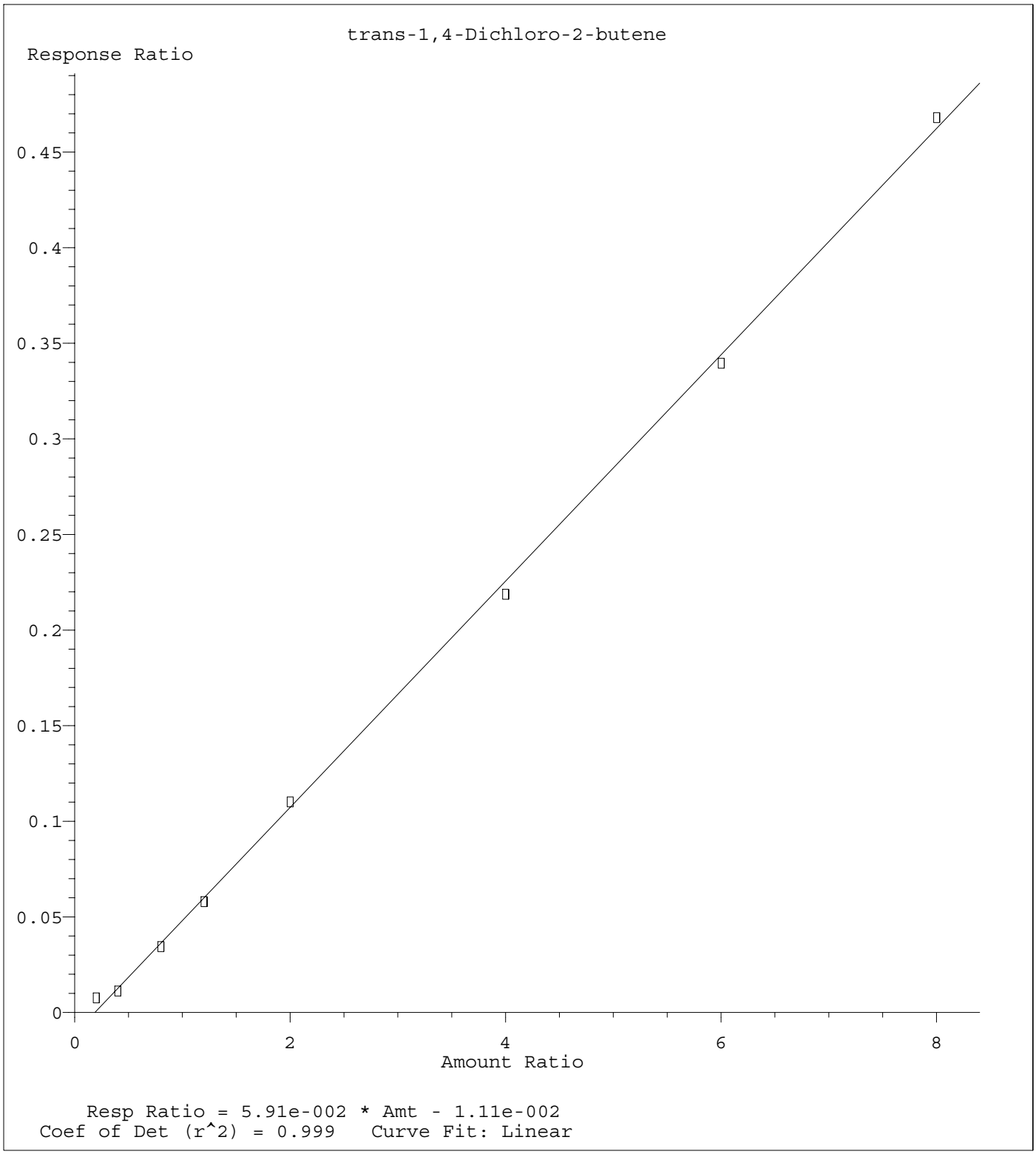
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



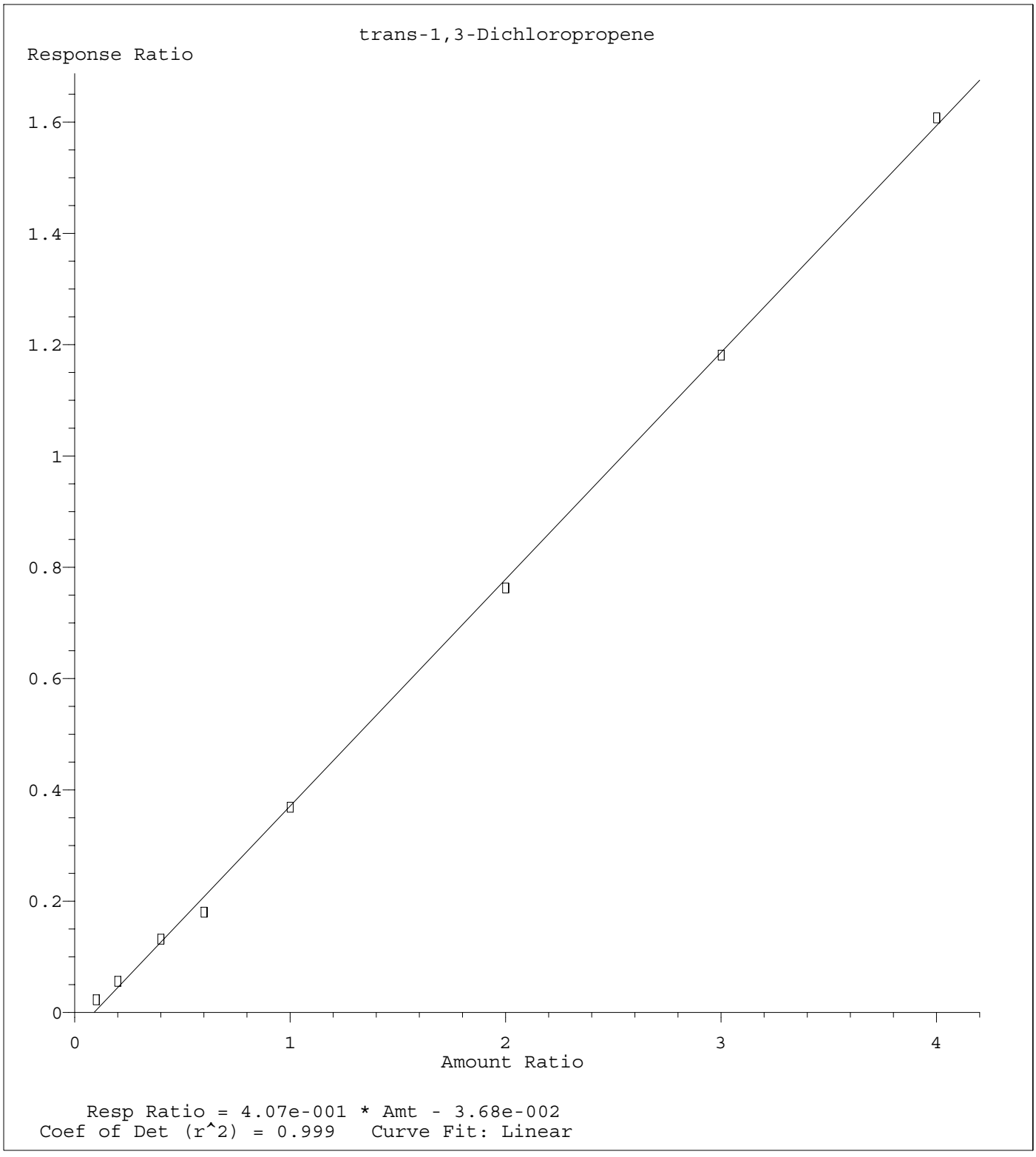
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



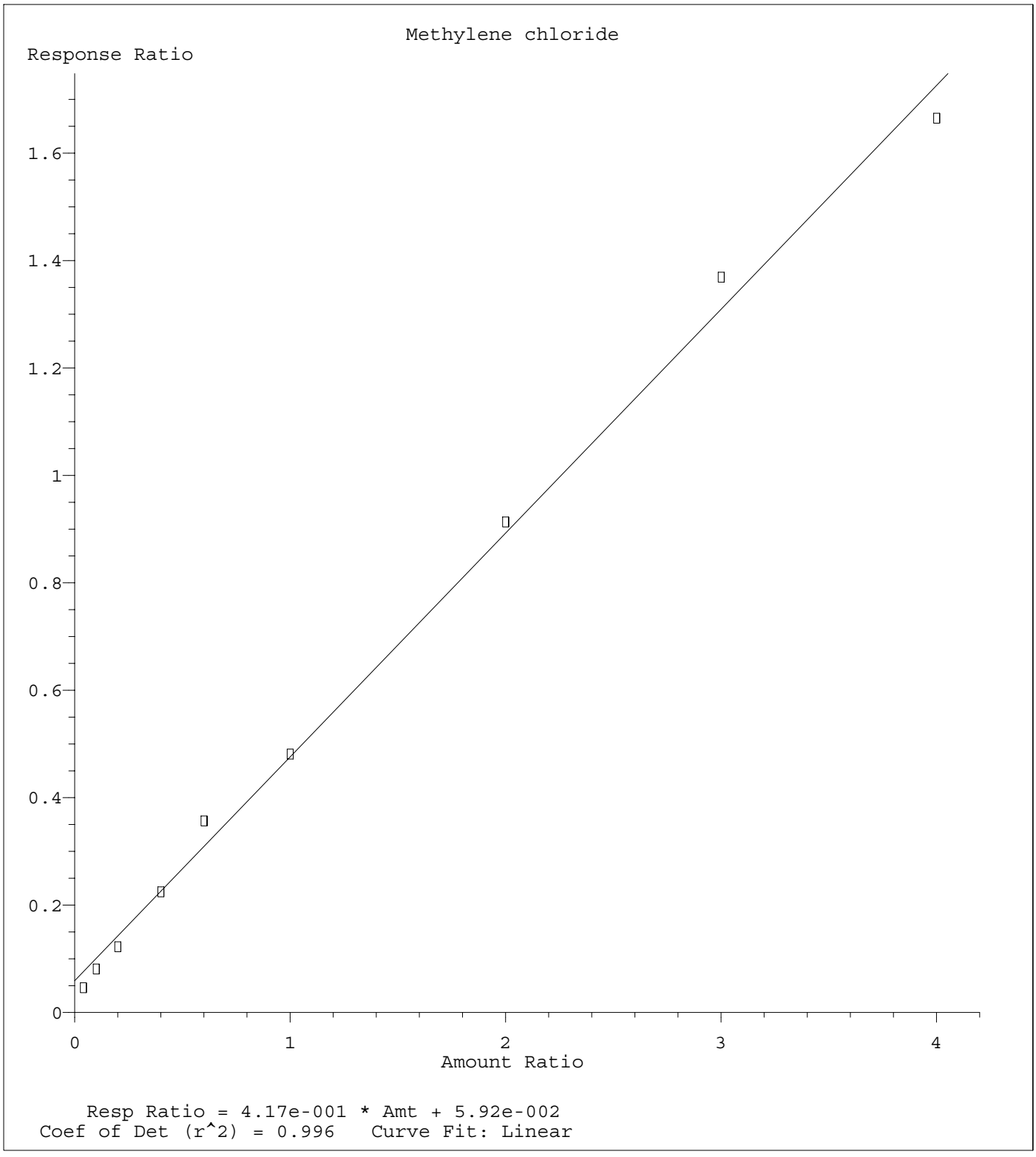
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



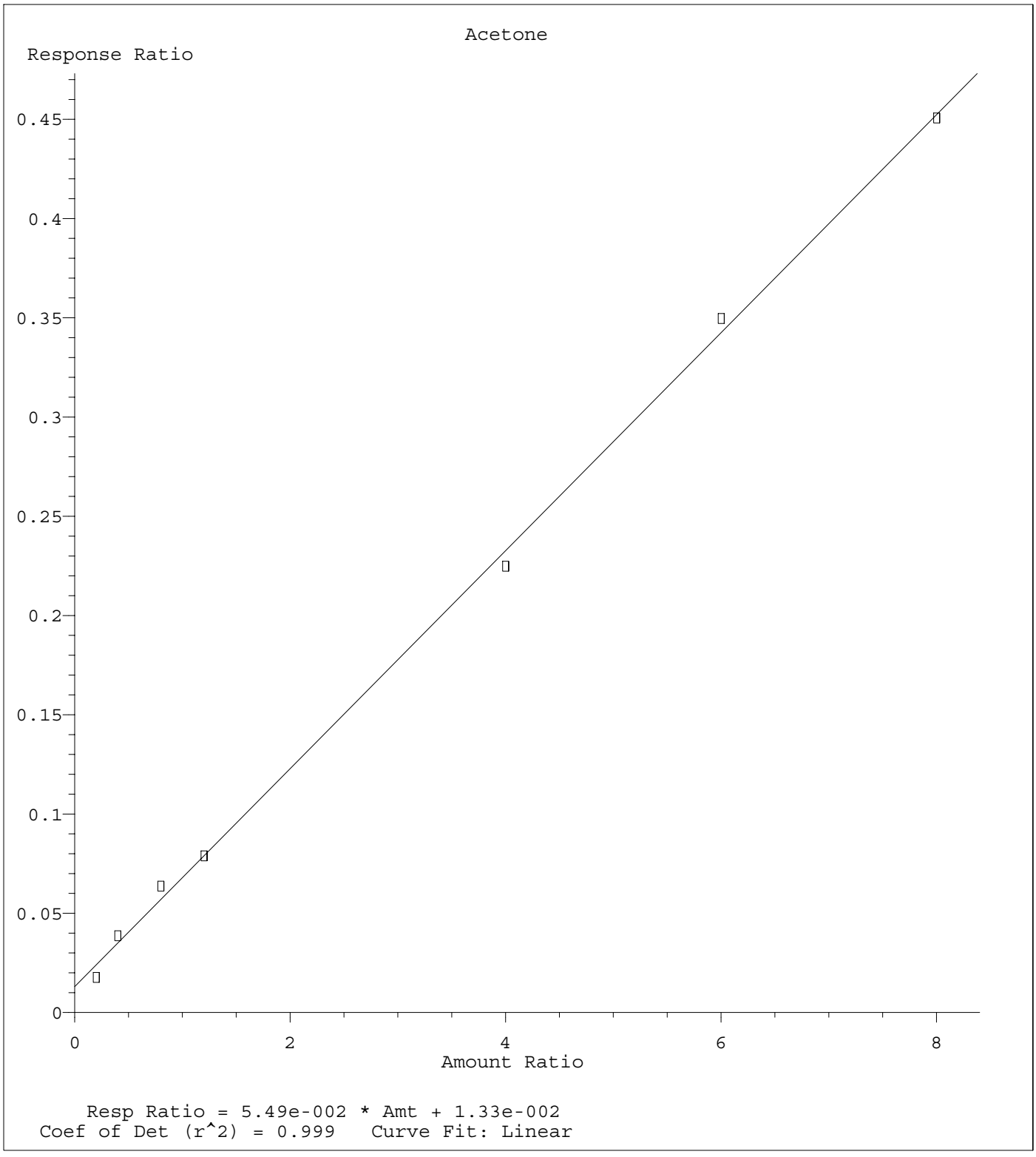
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



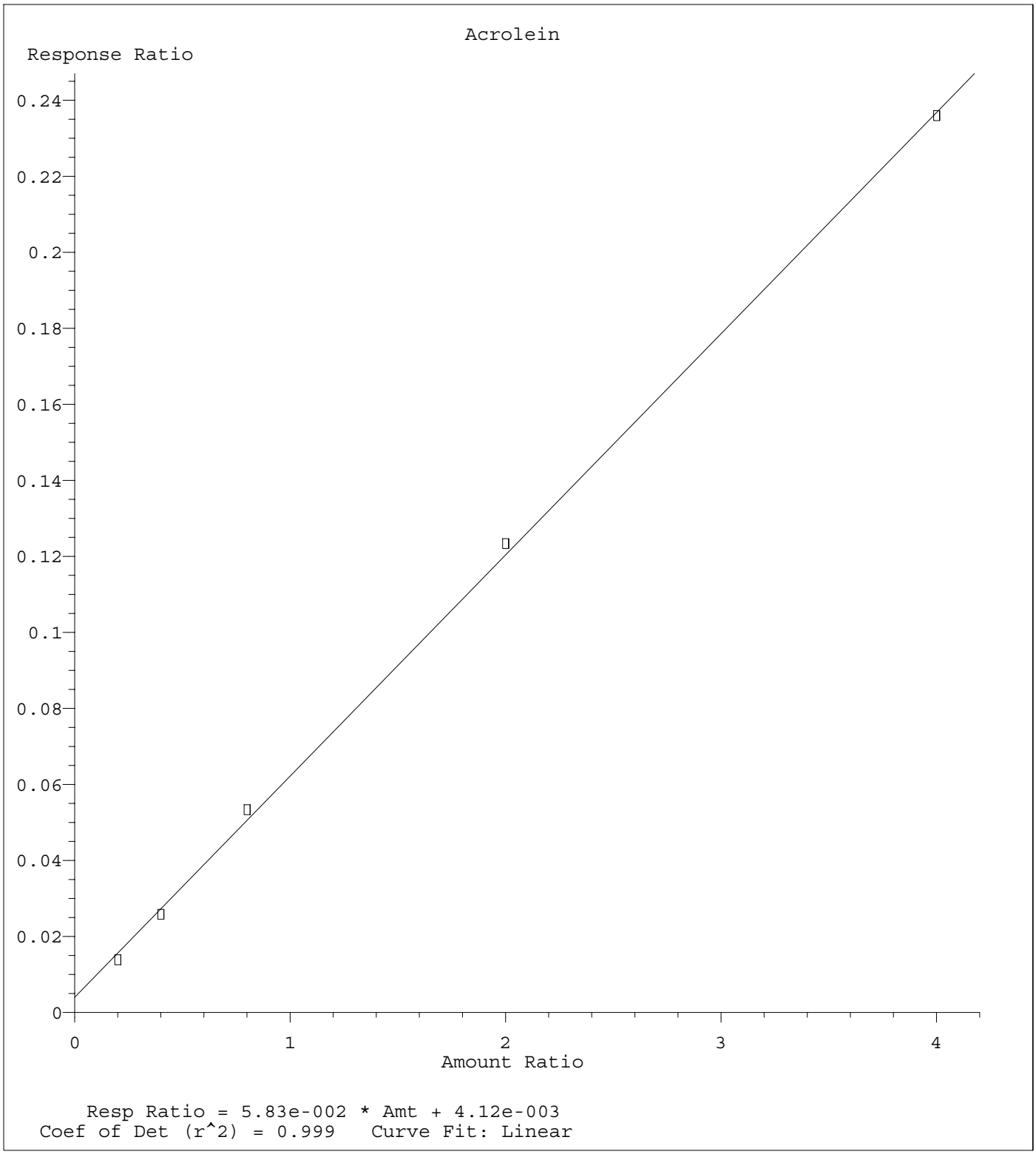
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



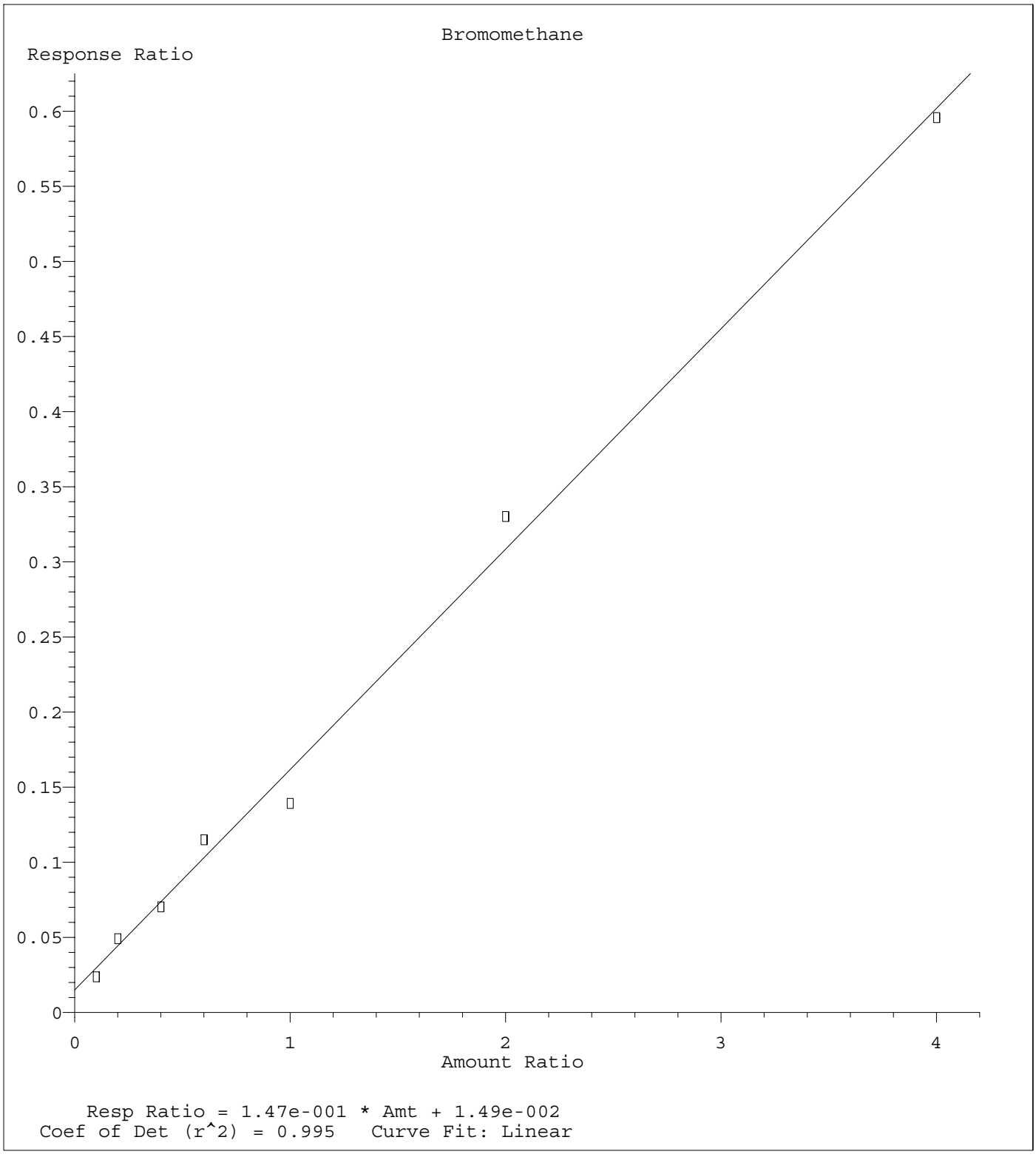
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	140600	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	223860	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	146358	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73278	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.45	113	3032	2.27 ug/L	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 4.54%#		
42) Toluene-d8	8.59	98	8086	1.90 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.80%		
59) 4-Bromofluorobenzene	11.35	95	1982	1.57 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.14%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.34	85	1669	1.61 ug/L #	43
3) Chloromethane	1.47	50	2607	1.75 ug/L	93
4) Vinyl chloride	1.57	62	2077	1.83 ug/L #	43
5) Bromomethane	1.83	94	1297	Below Cal	96
6) Chloroethane	1.90	64	1583	2.18 ug/L #	44
7) Trichlorofluoromethane	2.10	101	3379	1.78 ug/L	100
8) Acrolein	2.42	56	921	2.08 ug/L #	12
9) 1,1-Dichloroethene	2.54	96	3040	2.55 ug/L	94
10) Freon-113	2.55	101	2116	2.30 µg/L #	66
11) Acetone	2.57	58	1241	Below Cal #	11
12) Iodomethane	2.68	142	7848	4.10 ug/L #	84
13) Carbon disulfide	2.75	76	16330	4.20 ug/L	100
14) Methyl Acetate	2.89	43	6874	2.76 µg/L #	9
15) Vinyl acetate	2.89	43	6874	5.52 ug/L #	87
16) Methylene chloride	3.00	84	6490	Below Cal #	71
17) Acrylonitrile	3.26	53	2981	4.27 ug/L	93
18) Methyl tert-butyl ether	3.32	73	7785	1.96 µg/L #	74
19) trans-1,2-Dichloroethene	3.32	96	2971	2.09 ug/L	79
20) 1,1-Dichloroethane	3.83	63	6447	2.14 ug/L #	90
21) 2,2-Dichloropropane	4.70	77	2008	1.73 ug/L #	51
22) cis-1,2-Dichloroethene	4.71	96	3030	2.02 ug/L	97
23) 2-Butanone	4.75	72	785m	3.76 ug/L	
24) Bromochloromethane	5.06	128	1507	2.16 ug/L #	63
25) Chloroform	5.21	83	7850	3.18 ug/L	97
26) Cyclohexane	5.55	56	7602	3.19 µg/L #	48
27) 1,1,1-Trichloroethane	5.47	97	3170	1.83 ug/L #	83
30) 1,1-Dichloropropene	5.73	110	1282	2.08 ug/L	81
31) Carbon tetrachloride	5.72	119	2558	1.83 ug/L	86
32) Benzene	6.02	78	9826	1.69 ug/L	96
33) 1,2-Dichloroethane	6.05	62	3941	2.00 ug/L #	75
34) Trichloroethene	6.95	130	2896	2.24 ug/L	83
35) Methylcyclohexane	7.21	55	1801	1.50 µg/L #	89
36) 1,2-Dichloropropane	7.25	63	2542	1.67 ug/L #	100
37) Dibromomethane	7.41	93	1709	2.13 ug/L	85
38) Bromodichloromethane	7.64	83	2924	2.03 ug/L #	95
39) 2-Chloroethyl vinyl ether	8.09	63	2614	2.01 µg/L #	100
40) cis-1,3-Dichloropropene	8.25	75	2898	1.62 ug/L #	56
41) 4-Methyl-2-pentanone	8.48	43	4385	2.89 ug/L #	72
43) Toluene	8.69	92	5051	1.64 ug/L	92
44) trans-1,3-Dichloropropene	8.99	75	2336	5.79 ug/L #	46
45) 1,1,2-Trichloroethane	9.22	83	1506	1.76 ug/L	99
47) 2-Hexanone	9.54	43	2479	2.49 ug/L #	82
48) Tetrachloroethene	9.39	166	1784	1.92 ug/L #	68
49) 1,3-Dichloropropane	9.41	76	2910	1.67 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

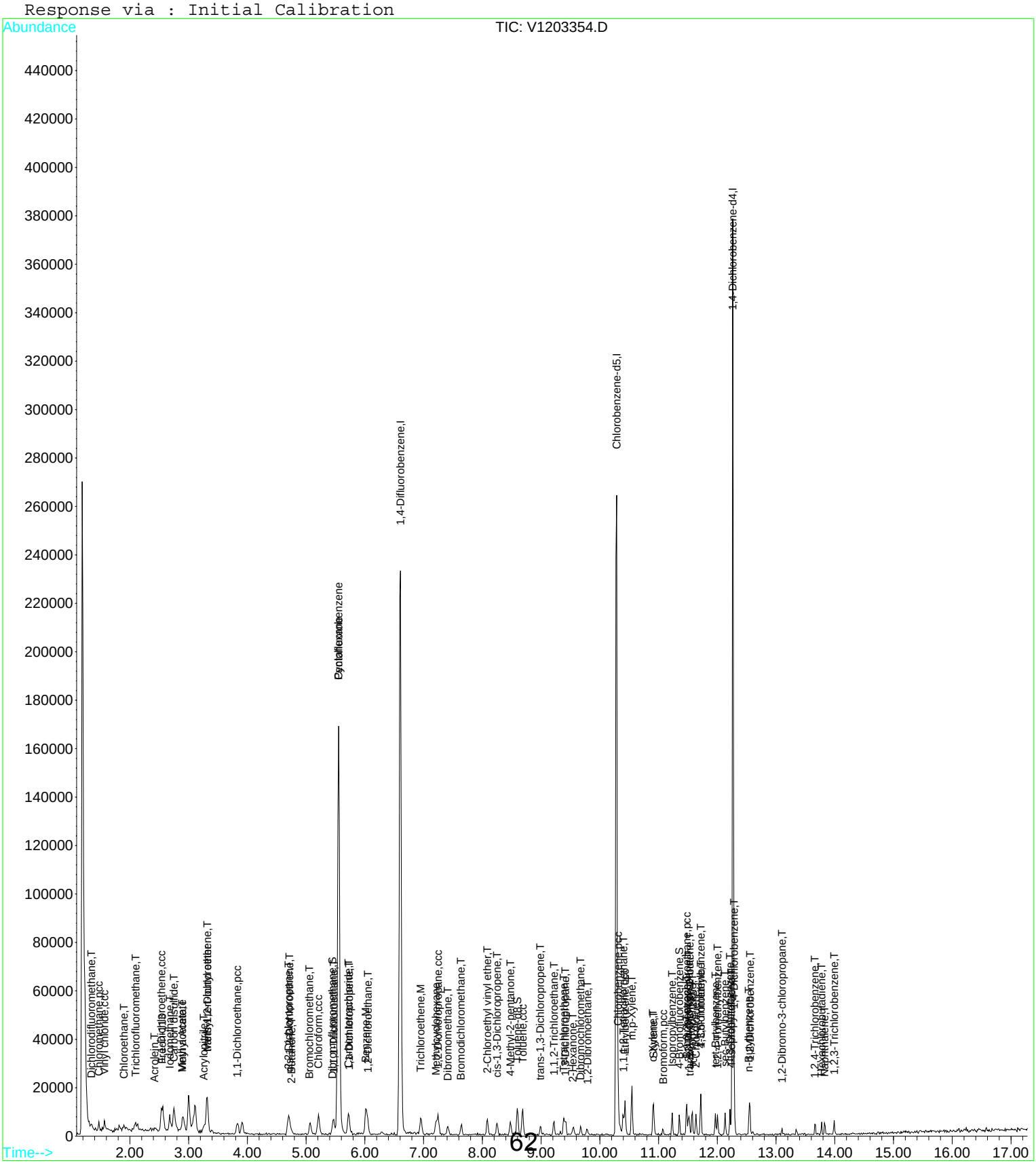
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	1607	1.77	ug/L		91
51)	1,2-Dibromoethane	9.79	107	1429m	1.59	ug/L		
52)	Chlorobenzene	10.31	112	6530	2.19	ug/L		92
53)	1,1,1,2-Tetrachloroethane	10.41	131	1281	1.49	ug/L	#	47
54)	Ethylbenzene	10.43	91	7109	1.55	ug/L		99
55)	m,p-Xylene	10.55	91	10133	2.91	ug/L		100
56)	o-Xylene	10.90	91	4421	1.26	ug/L		84
57)	Styrene	10.91	104	3653	1.24	ug/L		93
58)	Bromoform	11.08	173	1063	1.73	ug/L	#	36
61)	Bromobenzene	11.48	156	1549	1.57	ug/L	#	51
62)	1,1,2,2-Tetrachloroethane	11.48	83	2596	2.23	ug/L	#	85
63)	1,2,3-Trichloropropane	11.52	75	3085	1.70	ug/L	#	1
64)	Isopropylbenzene	11.23	105	4131	1.30	ug/L		94
65)	n-Propylbenzene	11.58	91	5956	1.43	ug/L		88
66)	trans-1,4-Dichloro-2-buten	11.53	124	102m	10.55	ug/L		
67)	2-Chlorotoluene	11.64	91	4006	1.48	ug/L		93
68)	4-Chlorotoluene	11.72	91	5003	1.57	ug/L		84
69)	1,3,5-Trimethylbenzene	11.72	105	3397	1.25	ug/L		92
70)	tert-Butylbenzene	11.97	119	3383	4.71	ug/L	#	82
71)	1,2,4-Trimethylbenzene	12.00	105	3530	1.21	ug/L	#	71
72)	sec-Butylbenzene	12.13	105	3612	1.24	ug/L	#	69
73)	1,3-Dichlorobenzene	12.22	146	2903	1.65	ug/L	#	89
74)	4-Isopropyltoluene	12.24	119	3452	1.31	ug/L	#	63
75)	1,4-Dichlorobenzene	12.29	146	4209	2.16	ug/L	#	72
76)	1,2-Dichlorobenzene	12.56	146	3011	1.69	ug/L	#	92
77)	n-Butylbenzene	12.54	91	3663	4.12	ug/L	#	68
78)	1,2-Dibromo-3-chloropropan	13.10	75	275m	1.41	ug/L		
79)	1,2,4-Trichlorobenzene	13.66	180	1078	1.23	ug/L	#	67
80)	Hexachlorobutadiene	13.78	225	496m	1.48	ug/L		
81)	Naphthalene	13.82	128	2913	4.34	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	1399	1.67	ug/L	#	68

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

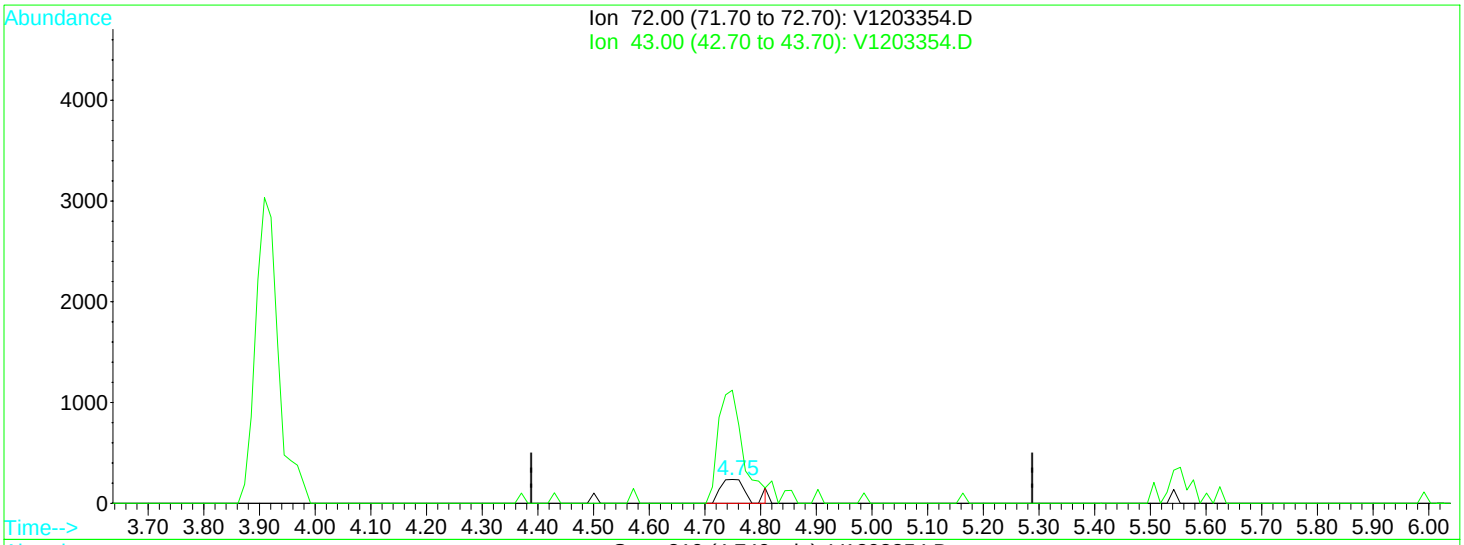
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

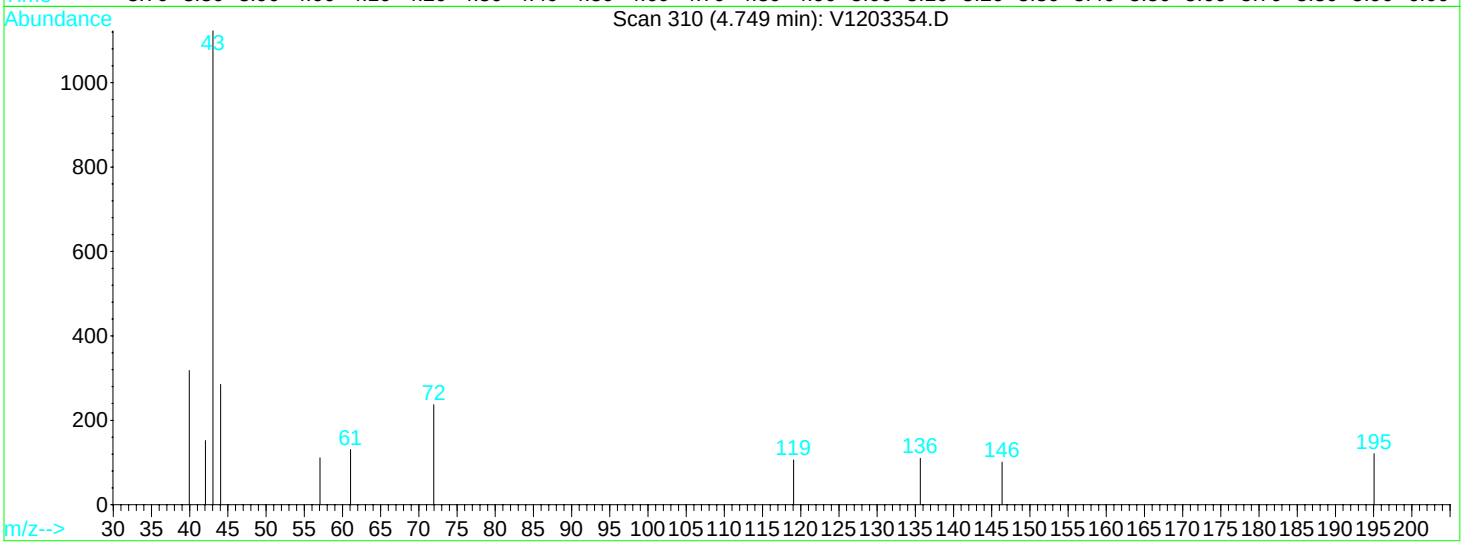


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(23) 2-Butanone (T)

4.75min 3.76ug/L m

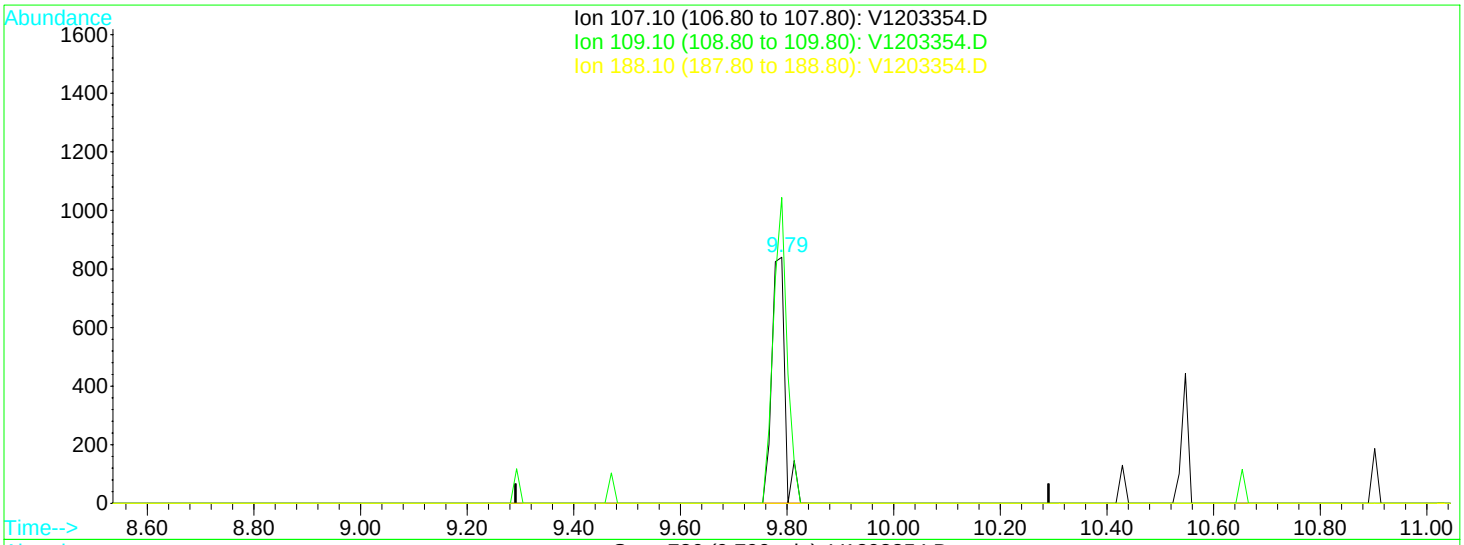
response 785

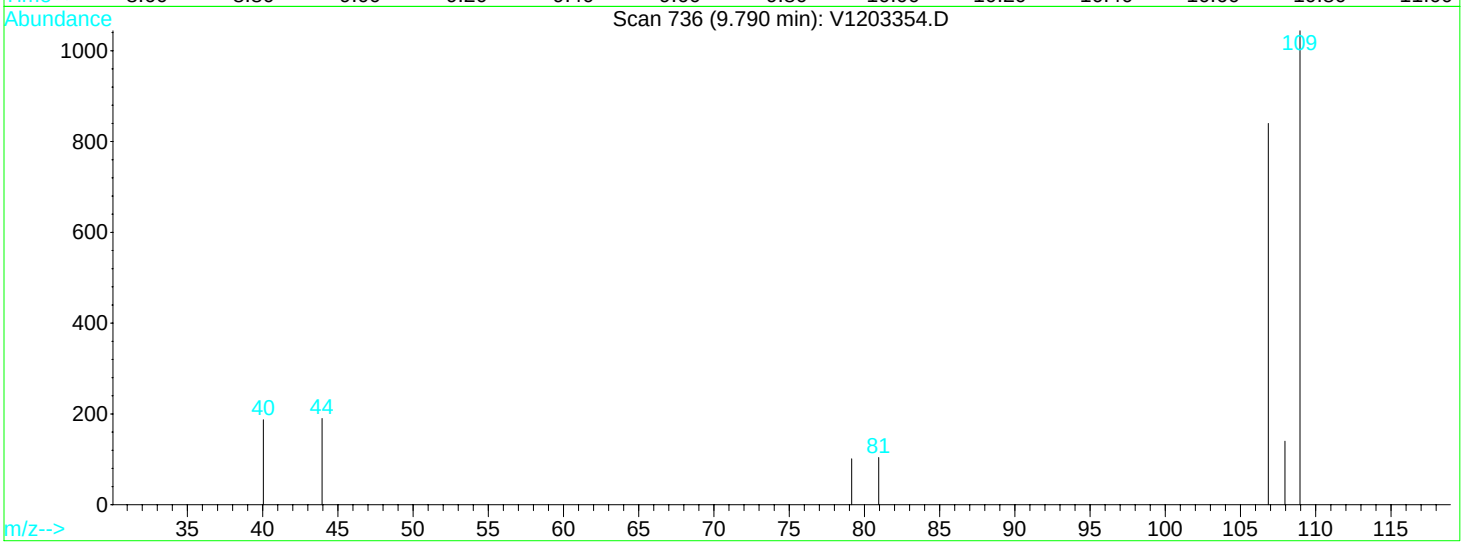
Ion	Exp%	Act%
72.00	100	100
43.00	362.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(51) 1,2-Dibromoethane (T)

9.79min 1.59ug/L m

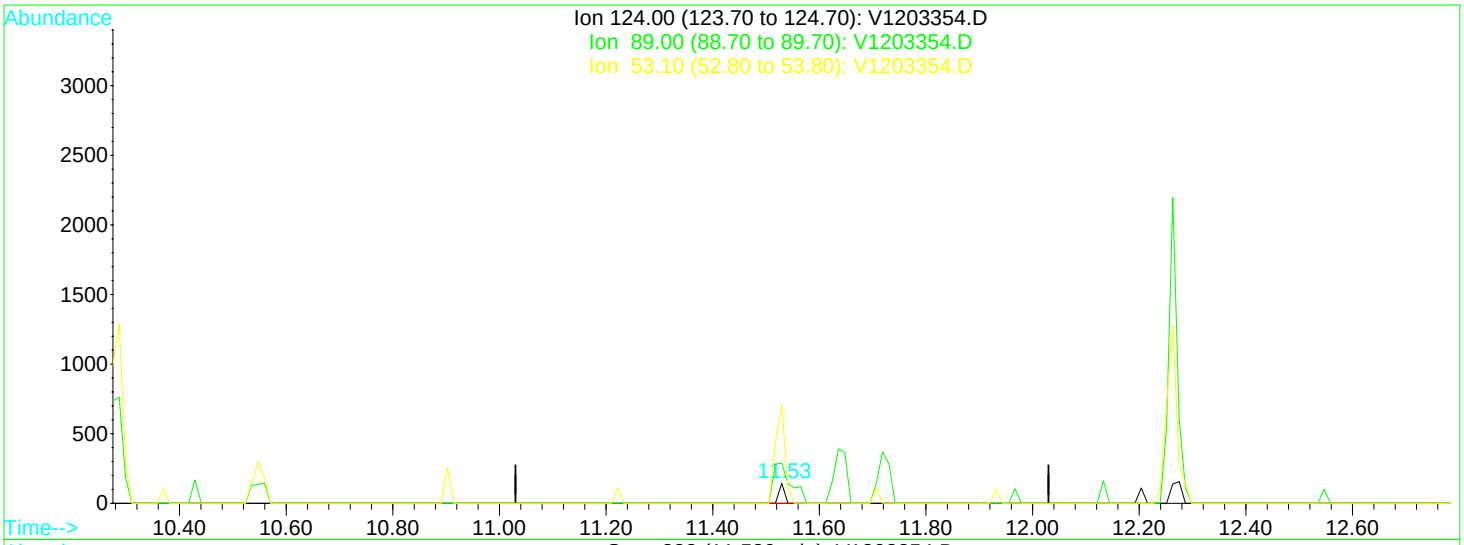
response 1429

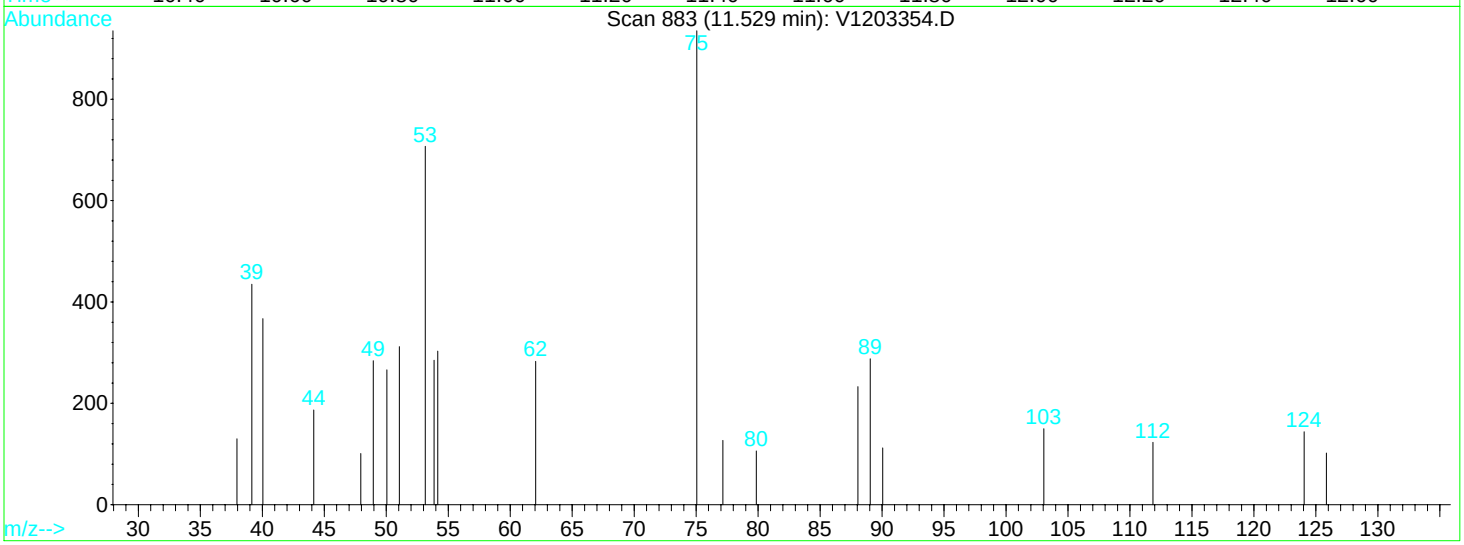
Ion	Exp%	Act%
107.10	100	100
109.10	92.90	131.49#
188.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 10.55ug/L m

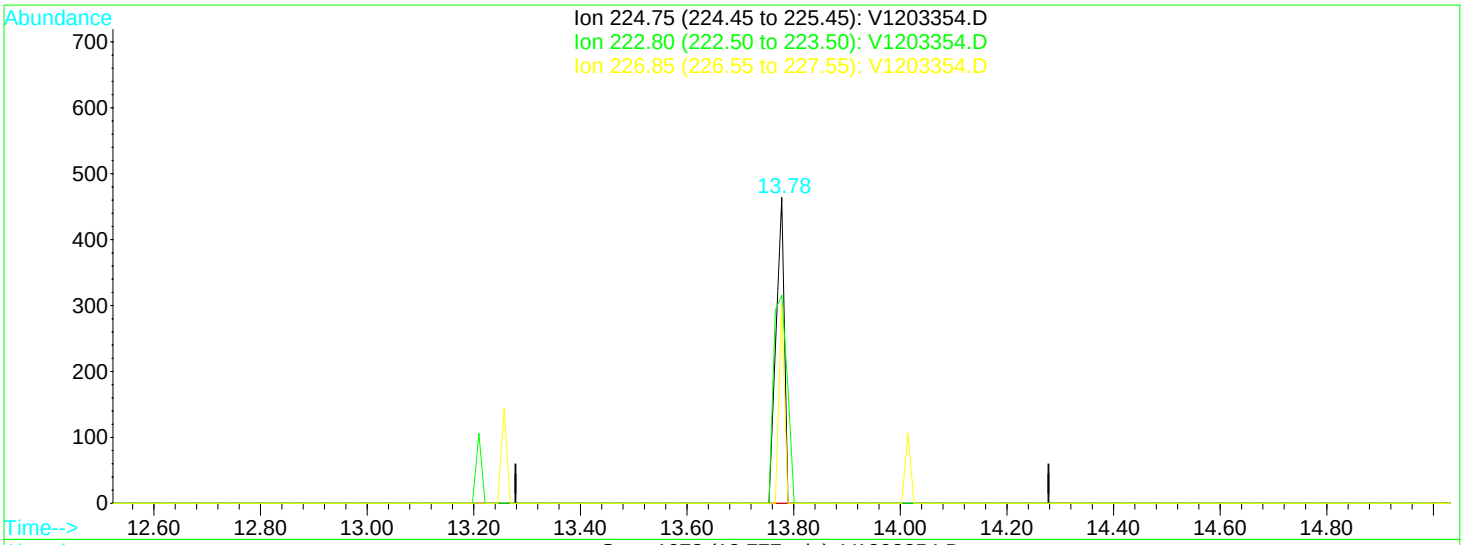
response 102

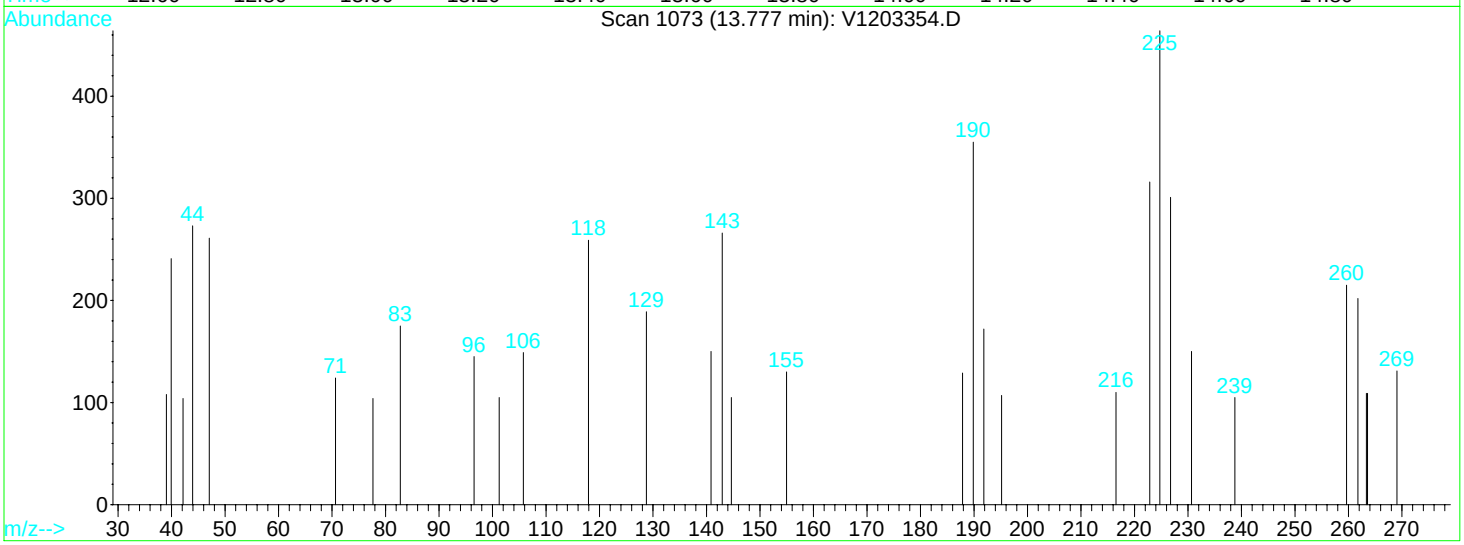
Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(80) Hexachlorobutadiene (T)

13.78min 1.48ug/L m

response 496

Ion	Exp%	Act%
224.75	100	100
222.80	62.10	0.00#
226.85	62.80	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	156400	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	254808	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.28	117	157093	50.00	ug/L		-0.01
60) 1,4-Dichlorobenzene-d4	12.26	152	81746	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	7988	5.25	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 10.50%#				
42) Toluene-d8	8.60	98	21171	4.36	ug/L		0.00
Spiked Amount 50.000			Recovery = 8.72%				
59) 4-Bromofluorobenzene	11.35	95	5380	3.98	ug/L		0.00
Spiked Amount 50.000			Recovery = 7.96%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	6341	5.51	ug/L		98
3) Chloromethane	1.47	50	9275	5.59	ug/L		98
4) Vinyl chloride	1.57	62	7271	5.75	ug/L		98
5) Bromomethane	1.83	94	3710	3.02	ug/L		93
6) Chloroethane	1.90	64	4230	5.24	ug/L		95
7) Trichlorofluoromethane	2.10	101	10937	5.18	ug/L		94
8) Acrolein	2.43	56	2168	8.35	ug/L		99
9) 1,1-Dichloroethene	2.53	96	8120	6.13	ug/L		84
10) Freon-113	2.55	101	6197	6.05	µg/L		96
11) Acetone	2.57	58	2759	3.95	ug/L	#	50
12) Iodomethane	2.68	142	23302	10.94	ug/L		88
13) Carbon disulfide	2.75	76	51036	11.79	ug/L		100
14) Methyl Acetate	2.89	43	16504	5.96	µg/L	#	4
15) Vinyl acetate	2.89	43	16504	11.92	ug/L	#	84
16) Methylene chloride	3.00	84	12663	2.62	ug/L	#	74
17) Acrylonitrile	3.26	53	8805	11.35	ug/L		98
18) Methyl tert-butyl ether	3.32	73	23195	5.24	µg/L	#	83
19) trans-1,2-Dichloroethene	3.31	96	9256	5.86	ug/L		91
20) 1,1-Dichloroethane	3.83	63	18420	5.50	ug/L		93
21) 2,2-Dichloropropane	4.70	77	6925	5.36	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	8272	4.95	ug/L		89
23) 2-Butanone	4.75	72	2037	8.78	ug/L	#	12
24) Bromochloromethane	5.07	128	4028	5.18	ug/L	#	56
25) Chloroform	5.21	83	17542	6.39	ug/L		100
26) Cyclohexane	5.56	56	16154	6.09	µg/L	#	73
27) 1,1,1-Trichloroethane	5.47	97	10027	5.22	ug/L		96
30) 1,1-Dichloropropene	5.72	110	3485	4.97	ug/L		96
31) Carbon tetrachloride	5.72	119	7417	4.65	ug/L		96
32) Benzene	6.02	78	32435	4.90	ug/L		95
33) 1,2-Dichloroethane	6.04	62	11010	4.91	ug/L		93
34) Trichloroethene	6.95	130	5883	4.00	ug/L	#	80
35) Methylcyclohexane	7.21	55	5424	3.97	µg/L	#	93
36) 1,2-Dichloropropane	7.25	63	9083	5.25	ug/L	#	100
37) Dibromomethane	7.40	93	4412	4.83	ug/L		88
38) Bromodichloromethane	7.65	83	7688	4.68	ug/L	#	90
39) 2-Chloroethyl vinyl ether	8.09	63	10127	6.85	µg/L	#	100
40) cis-1,3-Dichloropropene	8.24	75	8508	4.17	ug/L		95
41) 4-Methyl-2-pentanone	8.48	43	14056	8.14	ug/L	#	92
43) Toluene	8.68	92	15574	4.45	ug/L		93
44) trans-1,3-Dichloropropene	8.99	75	5802	7.30	ug/L		93
45) 1,1,2-Trichloroethane	9.21	83	4739	4.87	ug/L		97
47) 2-Hexanone	9.54	43	7689	7.20	ug/L	#	72
48) Tetrachloroethene	9.39	166	5087	5.10	ug/L		90
49) 1,3-Dichloropropane	9.41	76	4802	4.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

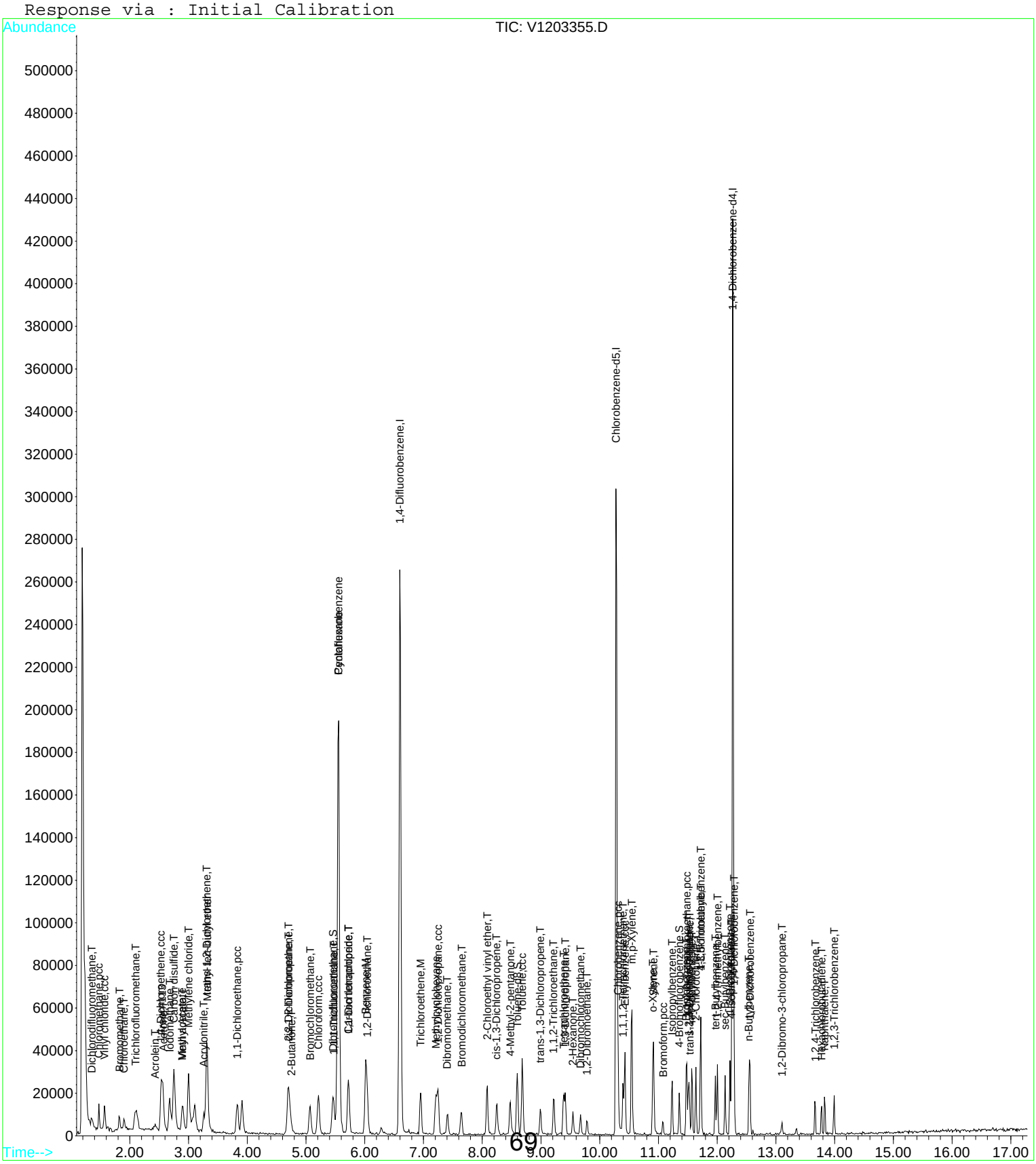
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	4663	4.80	ug/L		98
51)	1,2-Dibromoethane	9.78	107	4644	4.82	ug/L	#	95
52)	Chlorobenzene	10.31	112	15424	4.82	ug/L		89
53)	1,1,1,2-Tetrachloroethane	10.40	131	4169	4.52	ug/L	#	71
54)	Ethylbenzene	10.43	91	21327	4.33	ug/L		98
55)	m,p-Xylene	10.55	91	33303	8.90	ug/L		98
56)	o-Xylene	10.90	91	14922	3.97	ug/L		91
57)	Styrene	10.92	104	13076	4.13	ug/L		95
58)	Bromoform	11.08	173	2958	4.47	ug/L	#	95
61)	Bromobenzene	11.47	156	5267	4.78	ug/L	#	65
62)	1,1,2,2-Tetrachloroethane	11.48	83	7091	5.45	ug/L	#	96
63)	1,2,3-Trichloropropane	11.52	75	9209	4.54	ug/L	#	1
64)	Isopropylbenzene	11.24	105	13690	3.85	ug/L		98
65)	n-Propylbenzene	11.57	91	20077	4.33	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	623m	15.82	ug/L		
67)	2-Chlorotoluene	11.64	91	13547	4.49	ug/L		97
68)	4-Chlorotoluene	11.72	91	15652	4.41	ug/L		91
69)	1,3,5-Trimethylbenzene	11.72	105	12881	4.25	ug/L		100
70)	tert-Butylbenzene	11.97	119	10269	6.76	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	12420	3.82	ug/L		86
72)	sec-Butylbenzene	12.13	105	12443	3.83	ug/L		97
73)	1,3-Dichlorobenzene	12.22	146	10012	5.11	ug/L		98
74)	4-Isopropyltoluene	12.24	119	11677	3.96	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	11618	5.35	ug/L	#	93
76)	1,2-Dichlorobenzene	12.56	146	9720	4.90	ug/L		95
77)	n-Butylbenzene	12.54	91	9530	5.99	ug/L		95
78)	1,2-Dibromo-3-chloropropan	13.10	75	989	4.56	ug/L	#	1
79)	1,2,4-Trichlorobenzene	13.67	180	4133	4.24	ug/L		95
80)	Hexachlorobutadiene	13.78	225	1981	5.28	ug/L		92
81)	Naphthalene	13.83	128	10464	6.33	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	3539	3.80	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

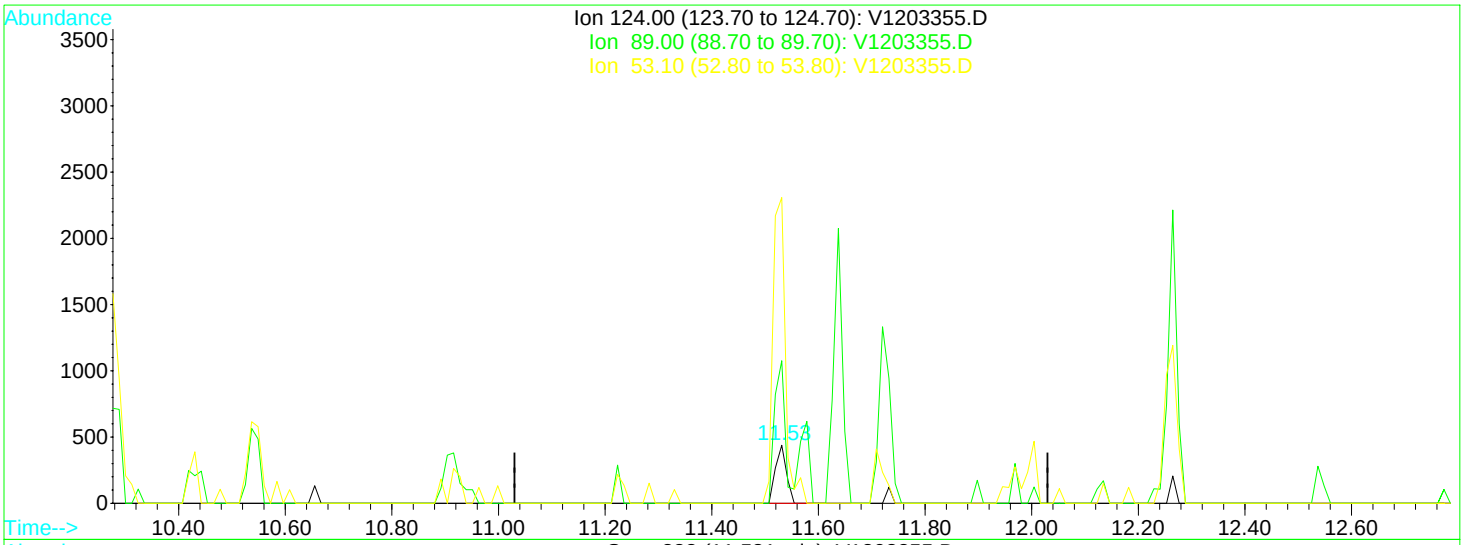
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

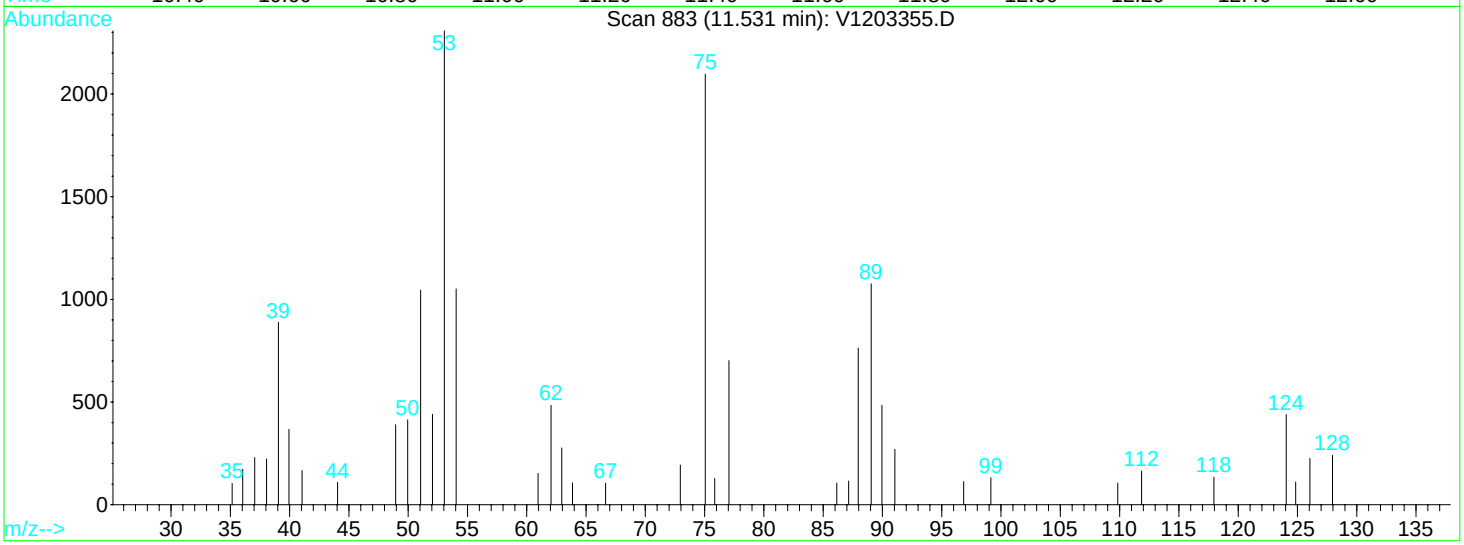


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203355.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 15.82ug/L m

response 623

Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	132072	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	212604	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	151408	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	84203	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	12709	10.00	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 20.00%#				
42) Toluene-d8	8.60	98	42325	10.45	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.90%				
59) 4-Bromofluorobenzene	11.35	95	13171	10.10	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	9711	9.99	ug/L		98
3) Chloromethane	1.47	50	16317	11.66	ug/L		92
4) Vinyl chloride	1.57	62	11374	10.66	ug/L		93
5) Bromomethane	1.82	94	6485	11.66	ug/L		94
6) Chloroethane	1.90	64	7731	11.35	ug/L		100
7) Trichlorofluoromethane	2.10	101	17881	10.03	ug/L		98
8) Acrolein	2.43	56	3411	18.60	ug/L		90
9) 1,1-Dichloroethene	2.54	96	10621	9.50	ug/L	#	56
10) Freon-113	2.55	101	8806	10.19	µg/L	#	84
11) Acetone	2.57	58	5101	23.07	ug/L	#	30
12) Iodomethane	2.68	142	37004	20.58	ug/L		89
13) Carbon disulfide	2.75	76	76458	20.92	ug/L		100
14) Methyl Acetate	2.89	43	24944	10.67	µg/L	#	4
15) Vinyl acetate	2.89	43	24944	21.34	ug/L	#	83
16) Methylene chloride	3.00	84	16142	7.57	ug/L	#	74
17) Acrylonitrile	3.27	53	14543	22.19	ug/L		96
18) Methyl tert-butyl ether	3.32	73	36814	9.85	µg/L	#	83
19) trans-1,2-Dichloroethene	3.32	96	13330	9.99	ug/L		90
20) 1,1-Dichloroethane	3.84	63	28920	10.23	ug/L		96
21) 2,2-Dichloropropane	4.70	77	10969	10.05	ug/L		95
22) cis-1,2-Dichloroethene	4.70	96	13388	9.48	ug/L		89
23) 2-Butanone	4.75	72	4662	23.78	ug/L		72
24) Bromochloromethane	5.07	128	6391	9.73	ug/L	#	61
25) Chloroform	5.21	83	25309	10.92	ug/L		89
26) Cyclohexane	5.56	56	22659	10.12	µg/L	#	82
27) 1,1,1-Trichloroethane	5.49	97	15729	9.69	ug/L		91
30) 1,1-Dichloropropene	5.73	110	4992	8.53	ug/L		93
31) Carbon tetrachloride	5.72	119	11694	8.80	ug/L		95
32) Benzene	6.02	78	54589	9.88	ug/L		100
33) 1,2-Dichloroethane	6.05	62	18561	9.91	ug/L		99
34) Trichloroethene	6.95	130	11352	9.25	ug/L		85
35) Methylcyclohexane	7.21	55	8973	7.88	µg/L		88
36) 1,2-Dichloropropane	7.25	63	14693	10.18	ug/L	#	100
37) Dibromomethane	7.40	93	7391	9.69	ug/L		95
38) Bromodichloromethane	7.65	83	12177	8.88	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	22049	17.87	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	16122	9.46	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	27755	19.27	ug/L		90
43) Toluene	8.68	92	28847	9.88	ug/L		90
44) trans-1,3-Dichloropropene	8.99	75	11887	11.37	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	8483	10.45	ug/L		97
47) 2-Hexanone	9.54	43	18800	18.27	ug/L		85
48) Tetrachloroethene	9.39	166	9087	9.45	ug/L		92
49) 1,3-Dichloropropane	9.41	76	17263	9.60	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

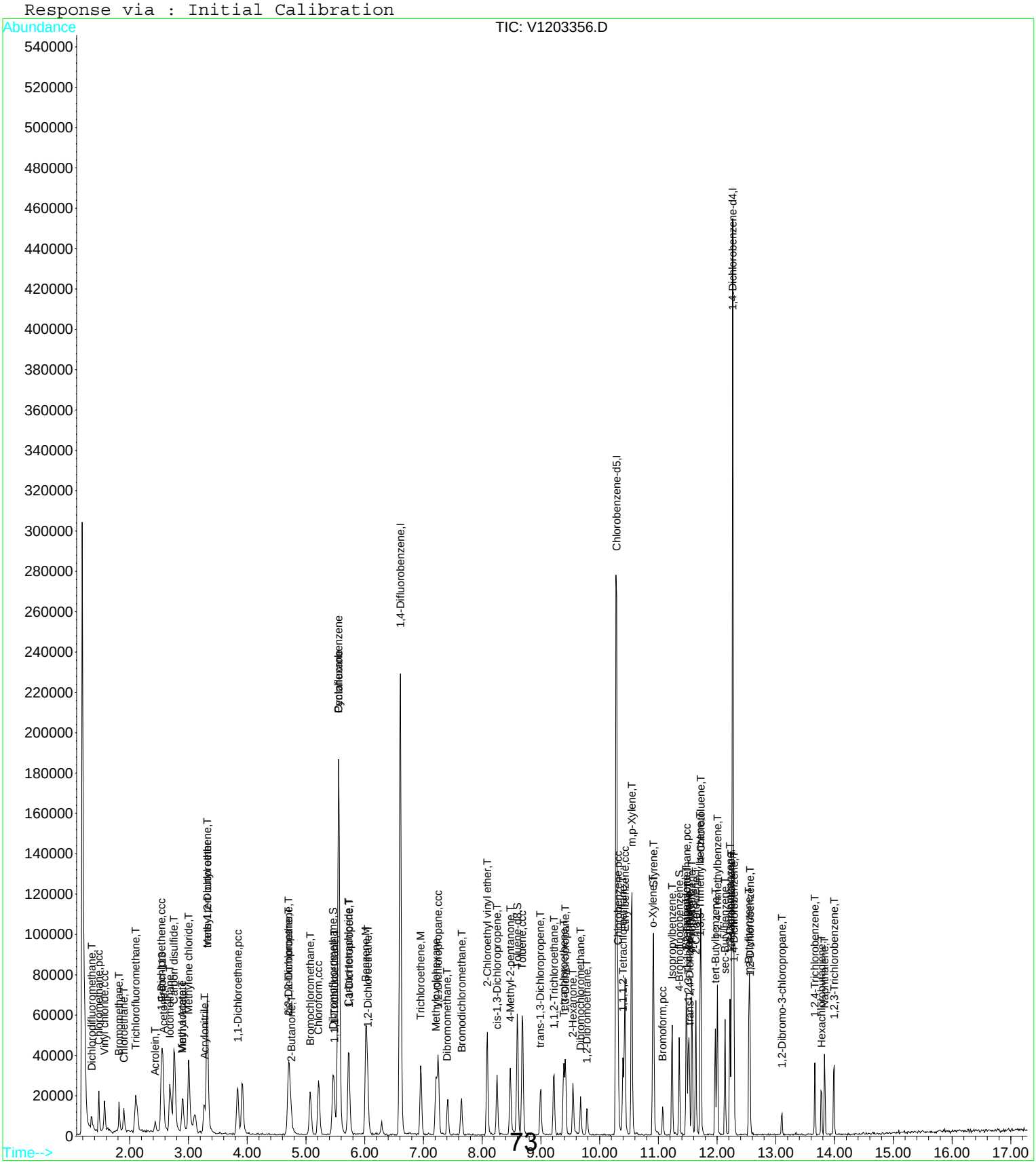
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	8786	9.38	ug/L		92
51)	1,2-Dibromoethane	9.78	107	9084	9.78	ug/L	#	93
52)	Chlorobenzene	10.31	112	30653	9.95	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.40	131	8042	9.05	ug/L		89
54)	Ethylbenzene	10.43	91	44802	9.45	ug/L		96
55)	m,p-Xylene	10.55	91	66483	18.44	ug/L		98
56)	o-Xylene	10.91	91	31842	8.78	ug/L		96
57)	Styrene	10.92	104	27821	9.11	ug/L		95
58)	Bromoform	11.07	173	5365	8.42	ug/L	#	94
61)	Bromobenzene	11.47	156	11436	10.07	ug/L	#	67
62)	1,1,2,2-Tetrachloroethane	11.48	83	13079	9.76	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	18342	8.78	ug/L	#	1
64)	Isopropylbenzene	11.24	105	29722	8.12	ug/L		99
65)	n-Propylbenzene	11.57	91	44215	9.26	ug/L		91
66)	trans-1,4-Dichloro-2-buten	11.53	124	944	18.86	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	29605	9.52	ug/L		90
68)	4-Chlorotoluene	11.72	91	35591	9.74	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	26011	8.33	ug/L		98
70)	tert-Butylbenzene	11.97	119	21732	10.19	ug/L		90
71)	1,2,4-Trimethylbenzene	12.01	105	28820	8.61	ug/L		90
72)	sec-Butylbenzene	12.14	105	27233	8.14	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	18690	9.26	ug/L		94
74)	4-Isopropyltoluene	12.24	119	25312	8.34	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	20611	9.21	ug/L		89
76)	1,2-Dichlorobenzene	12.56	146	20809	10.18	ug/L		94
77)	n-Butylbenzene	12.54	91	20946	9.68	ug/L		94
78)	1,2-Dibromo-3-chloropropan	13.11	75	2097	9.38	ug/L		87
79)	1,2,4-Trichlorobenzene	13.66	180	7770	7.74	ug/L		93
80)	Hexachlorobutadiene	13.78	225	3610	9.35	ug/L		94
81)	Naphthalene	13.83	128	21936	9.32	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	9444	9.83	ug/L		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	148795	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	225797	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	156850	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	88903	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	25268	18.72	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 37.44%#				
42) Toluene-d8	8.60	98	88198	20.50	ug/L		0.00
Spiked Amount 50.000			Recovery = 41.00%				
59) 4-Bromofluorobenzene	11.35	95	26512	19.62	ug/L		0.00
Spiked Amount 50.000			Recovery = 39.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	20401	18.63	ug/L		98
3) Chloromethane	1.47	50	30979	19.64	ug/L		100
4) Vinyl chloride	1.57	62	23833	19.82	ug/L		100
5) Bromomethane	1.82	94	10458	18.87	ug/L		97
6) Chloroethane	1.90	64	13851	18.05	ug/L		94
7) Trichlorofluoromethane	2.10	101	36644	18.25	ug/L		99
8) Acrolein	2.43	56	7937	42.18	ug/L		94
9) 1,1-Dichloroethene	2.54	96	26281	20.86	ug/L		80
10) Freon-113	2.56	101	20005	20.54	µg/L		90
11) Acetone	2.57	58	9466	45.83	ug/L	#	18
12) Iodomethane	2.68	142	80950	39.95	ug/L		88
13) Carbon disulfide	2.75	76	169260	41.10	ug/L		100
14) Methyl Acetate	2.89	43	56754	21.55	µg/L	#	5
15) Vinyl acetate	2.89	43	56754	43.09	ug/L	#	87
16) Methylene chloride	3.00	84	33415	19.85	ug/L	#	73
17) Acrylonitrile	3.26	53	31220	42.28	ug/L		98
18) Methyl tert-butyl ether	3.32	73	85818	20.38	µg/L	#	87
19) trans-1,2-Dichloroethene	3.32	96	29780	19.81	ug/L		87
20) 1,1-Dichloroethane	3.83	63	63232	19.85	ug/L		99
21) 2,2-Dichloropropane	4.70	77	25602	20.82	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	31475	19.78	ug/L		95
23) 2-Butanone	4.74	72	9673	43.80	ug/L	#	25
24) Bromochloromethane	5.07	128	15849	21.42	ug/L	#	64
25) Chloroform	5.21	83	50349	19.28	ug/L		95
26) Cyclohexane	5.55	56	49724	19.71	µg/L	#	91
27) 1,1,1-Trichloroethane	5.47	97	36401	19.91	ug/L		92
30) 1,1-Dichloropropene	5.73	110	12470	20.06	ug/L		95
31) Carbon tetrachloride	5.72	119	27660	19.59	ug/L		96
32) Benzene	6.02	78	122968	20.95	ug/L		98
33) 1,2-Dichloroethane	6.05	62	41096	20.67	ug/L		96
34) Trichloroethene	6.95	130	26414	20.26	ug/L		87
35) Methylcyclohexane	7.21	55	24953	20.62	µg/L		99
36) 1,2-Dichloropropane	7.25	63	32688	21.32	ug/L	#	100
37) Dibromomethane	7.41	93	16819	20.76	ug/L		90
38) Bromodichloromethane	7.65	83	30710	21.10	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	55747	42.55	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	35926	19.85	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	70389	46.02	ug/L	#	90
43) Toluene	8.69	92	66594	21.47	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	29731	20.67	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	17863	20.72	ug/L		97
47) 2-Hexanone	9.54	43	44103	41.36	ug/L		92
48) Tetrachloroethene	9.39	166	19386	19.46	ug/L		87
49) 1,3-Dichloropropane	9.41	76	40256	21.61	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

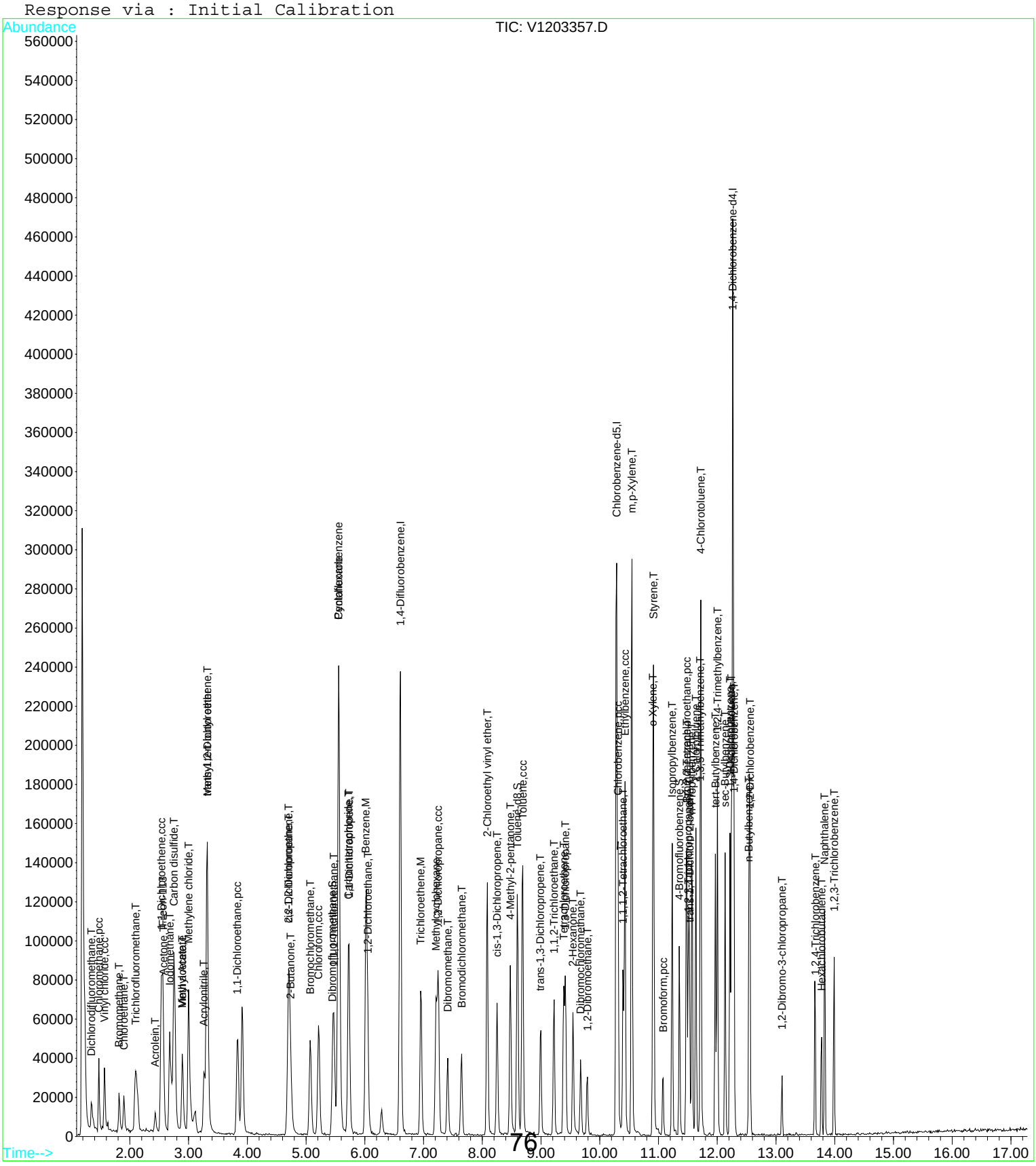
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	18755	19.32	ug/L		98
51)	1,2-Dibromoethane	9.79	107	20347	21.14	ug/L	#	96
52)	Chlorobenzene	10.31	112	64205	20.11	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.39	131	17672	19.19	ug/L		87
54)	Ethylbenzene	10.43	91	100224	20.40	ug/L		99
55)	m,p-Xylene	10.55	91	160807	43.05	ug/L		97
56)	o-Xylene	10.90	91	74453	19.82	ug/L		98
57)	Styrene	10.91	104	65202	20.61	ug/L		99
58)	Bromoform	11.08	173	13011	19.70	ug/L		99
61)	Bromobenzene	11.48	156	23053	19.23	ug/L	#	50
62)	1,1,2,2-Tetrachloroethane	11.48	83	27924	19.73	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	44130	20.00	ug/L	#	1
64)	Isopropylbenzene	11.23	105	74724	19.33	ug/L		97
65)	n-Propylbenzene	11.57	91	104156	20.65	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	3061	38.49	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	67412	20.52	ug/L		96
68)	4-Chlorotoluene	11.72	91	77132	19.99	ug/L		100
69)	1,3,5-Trimethylbenzene	11.71	105	64734	19.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	57870	20.34	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	70652	20.00	ug/L		91
72)	sec-Butylbenzene	12.13	105	68858	19.49	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	45002	21.11	ug/L		95
74)	4-Isopropyltoluene	12.24	119	64948	20.26	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	46029	19.48	ug/L		92
76)	1,2-Dichlorobenzene	12.56	146	44413	20.58	ug/L		96
77)	n-Butylbenzene	12.54	91	52601	19.28	ug/L		96
78)	1,2-Dibromo-3-chloropropan	13.10	75	5048	21.39	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	19237	18.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	7805	19.15	ug/L		95
81)	Naphthalene	13.83	128	64278	19.74	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	19713	19.44	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	192935	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	294387	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	177255	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	96814	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51006	28.99	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 57.98%#				
42) Toluene-d8	8.59	98	161460	28.79	ug/L		0.00
Spiked Amount 50.000			Recovery = 57.58%				
59) 4-Bromofluorobenzene	11.35	95	45379	29.72	ug/L		0.00
Spiked Amount 50.000			Recovery = 59.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	44629	31.43	ug/L		98
3) Chloromethane	1.47	50	67808	33.16	ug/L		94
4) Vinyl chloride	1.57	62	53943	34.60	ug/L		99
5) Bromomethane	1.83	94	22183	34.08	ug/L		98
6) Chloroethane	1.90	64	32261	32.42	ug/L		99
7) Trichlorofluoromethane	2.10	101	80285	30.83	ug/L		98
8) Acrolein	2.43	56	17780	75.45	ug/L		96
9) 1,1-Dichloroethene	2.54	96	55458	33.95	ug/L		70
10) Freon-113	2.55	101	38797	30.72	µg/L		89
11) Acetone	2.57	58	15225	59.77	ug/L		57
12) Iodomethane	2.68	142	176144	67.05	ug/L		90
13) Carbon disulfide	2.75	76	369827	69.27	ug/L		100
14) Methyl Acetate	2.89	43	109044	31.93	µg/L	#	6
15) Vinyl acetate	2.89	43	109044	63.85	ug/L		88
16) Methylene chloride	3.00	84	68782	35.68	ug/L	#	75
17) Acrylonitrile	3.26	53	60965	63.68	ug/L		97
18) Methyl tert-butyl ether	3.32	73	167982	30.77	µg/L	#	86
19) trans-1,2-Dichloroethene	3.31	96	66235	33.99	ug/L		89
20) 1,1-Dichloroethane	3.83	63	125541	30.40	ug/L		98
21) 2,2-Dichloropropane	4.70	77	52664	33.04	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	63116	30.60	ug/L		90
23) 2-Butanone	4.74	72	15186	53.03	ug/L	#	17
24) Bromochloromethane	5.07	128	29556	30.80	ug/L	#	62
25) Chloroform	5.21	83	99600	29.42	ug/L		98
26) Cyclohexane	5.55	56	98315	30.05	µg/L		94
27) 1,1,1-Trichloroethane	5.47	97	74404	31.38	ug/L		96
30) 1,1-Dichloropropene	5.72	110	24125	29.77	ug/L		92
31) Carbon tetrachloride	5.72	119	52780	28.67	ug/L		96
32) Benzene	6.02	78	239346	31.27	ug/L		100
33) 1,2-Dichloroethane	6.05	62	76791	29.62	ug/L		97
34) Trichloroethene	6.95	130	49818	29.31	ug/L		90
35) Methylcyclohexane	7.21	55	48234	30.58	µg/L		95
36) 1,2-Dichloropropane	7.25	63	59047	29.54	ug/L	#	100
37) Dibromomethane	7.40	93	28230	26.72	ug/L		92
38) Bromodichloromethane	7.64	83	53868	28.38	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	99142	58.04	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	68794	29.16	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	118910	59.63	ug/L	#	90
43) Toluene	8.68	92	120755	29.86	ug/L		95
44) trans-1,3-Dichloropropene	8.99	75	53054	26.62	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	30809	27.41	ug/L		96
47) 2-Hexanone	9.54	43	72176	59.90	ug/L		86
48) Tetrachloroethene	9.39	166	35272	31.33	ug/L		89
49) 1,3-Dichloropropane	9.41	76	66615	31.65	ug/L		99

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(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

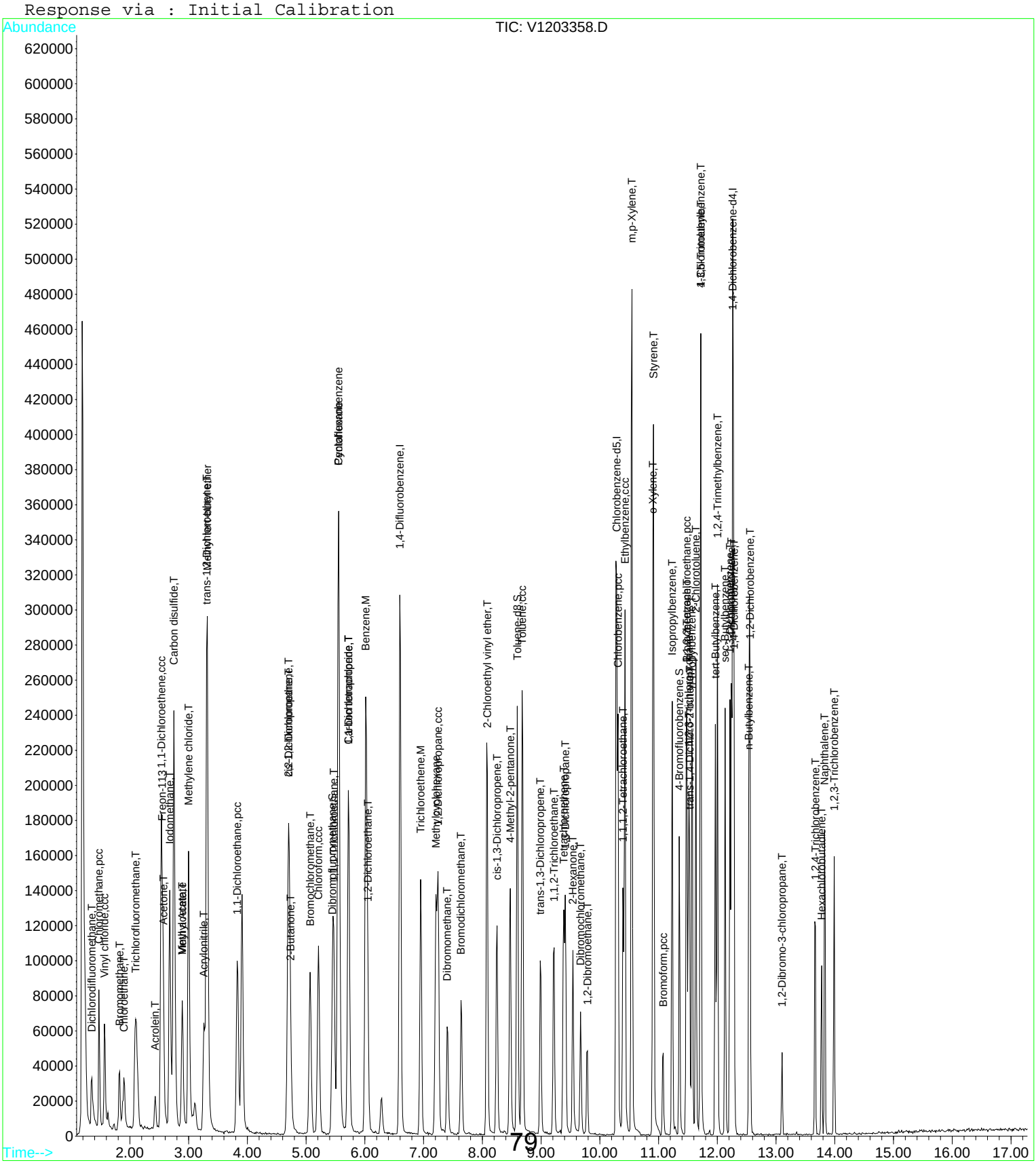
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	33196	30.26	ug/L		100
51)	1,2-Dibromoethane	9.79	107	32982	30.33	ug/L	#	99
52)	Chlorobenzene	10.31	112	106348	29.48	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	31600	30.37	ug/L		93
54)	Ethylbenzene	10.43	91	175566	31.62	ug/L		96
55)	m,p-Xylene	10.55	91	270091	63.98	ug/L		97
56)	o-Xylene	10.90	91	130247	30.68	ug/L		97
57)	Styrene	10.91	104	109633	30.66	ug/L		98
58)	Bromoform	11.08	173	22629	30.32	ug/L		98
61)	Bromobenzene	11.48	156	40238	30.82	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.48	83	45968	29.83	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	76122	31.67	ug/L	#	1
64)	Isopropylbenzene	11.23	105	130187	30.92	ug/L		99
65)	n-Propylbenzene	11.56	91	177871	32.38	ug/L		93
66)	trans-1,4-Dichloro-2-buten	11.53	124	5608	58.36	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	116240	32.49	ug/L		95
68)	4-Chlorotoluene	11.72	91	132500	31.53	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	110779	30.86	ug/L		99
70)	tert-Butylbenzene	11.97	119	95812	29.09	ug/L		92
71)	1,2,4-Trimethylbenzene	12.00	105	120180	31.24	ug/L		90
72)	sec-Butylbenzene	12.13	105	118540	30.82	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	71353	30.74	ug/L		96
74)	4-Isopropyltoluene	12.24	119	105404	30.20	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	77438	30.10	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	73434	31.25	ug/L		97
77)	n-Butylbenzene	12.54	91	94806	30.12	ug/L		97
78)	1,2-Dibromo-3-chloropropan	13.10	75	8151	31.71	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	34475	29.87	ug/L		95
80)	Hexachlorobutadiene	13.78	225	13452	30.30	ug/L		96
81)	Naphthalene	13.82	128	108027	28.59	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	33510	30.34	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	170208	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	249305	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.28	117	175685	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	96954	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	69542	46.67	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 93.34%				
42) Toluene-d8	8.60	98	241314	50.81	ug/L		0.00
Spiked Amount 50.000			Recovery = 101.62%				
59) 4-Bromofluorobenzene	11.36	95	77709	51.35	ug/L		0.00
Spiked Amount 50.000			Recovery = 102.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	64815	51.75	ug/L		99
3) Chloromethane	1.47	50	87991	48.77	ug/L		96
4) Vinyl chloride	1.57	62	69735	50.70	ug/L		100
5) Bromomethane	1.82	94	23686	42.32	ug/L		97
6) Chloroethane	1.90	64	32546	37.08	ug/L		100
7) Trichlorofluoromethane	2.10	101	113552	49.43	ug/L		96
8) Acrolein	2.43	56	20992	102.17	ug/L		96
9) 1,1-Dichloroethene	2.53	96	69638	48.33	ug/L		72
10) Freon-113	2.55	101	52354	46.99	µg/L		88
11) Acetone	2.56	58	27108	132.96	ug/L	#	44
12) Iodomethane	2.68	142	219470	94.69	ug/L		88
13) Carbon disulfide	2.75	76	447933	95.10	ug/L		100
14) Methyl Acetate	2.89	43	136921	45.44	µg/L	#	7
15) Vinyl acetate	2.89	43	136921	90.89	ug/L		89
16) Methylene chloride	3.00	84	81868	50.61	ug/L	#	73
17) Acrylonitrile	3.26	53	81056	95.97	ug/L		99
18) Methyl tert-butyl ether	3.32	73	231995	48.17	µg/L	#	89
19) trans-1,2-Dichloroethene	3.31	96	82739	48.12	ug/L		92
20) 1,1-Dichloroethane	3.83	63	167814	46.06	ug/L		98
21) 2,2-Dichloropropane	4.71	77	66474	47.27	ug/L		99
22) cis-1,2-Dichloroethene	4.71	96	86985	47.80	ug/L		92
23) 2-Butanone	4.74	72	24862	98.41	ug/L	#	24
24) Bromochloromethane	5.07	128	39882	47.11	ug/L	#	64
25) Chloroform	5.21	83	134355	44.98	ug/L		100
26) Cyclohexane	5.56	56	130857	45.34	µg/L		96
27) 1,1,1-Trichloroethane	5.47	97	101291	48.43	ug/L		95
30) 1,1-Dichloropropene	5.72	110	33890	49.39	ug/L		95
31) Carbon tetrachloride	5.72	119	77815	49.92	ug/L		99
32) Benzene	6.02	78	328076	50.62	ug/L		100
33) 1,2-Dichloroethane	6.04	62	107454	48.95	ug/L		96
34) Trichloroethene	6.95	130	69691	48.42	ug/L		91
35) Methylcyclohexane	7.21	55	68874	51.56	µg/L		93
36) 1,2-Dichloropropane	7.25	63	85592	50.56	ug/L	#	100
37) Dibromomethane	7.40	93	45946	51.36	ug/L		90
38) Bromodichloromethane	7.64	83	80066	49.82	ug/L		99
39) 2-Chloroethyl vinyl ether	8.08	63	155986	107.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.26	75	107286	53.69	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	184918	109.50	ug/L		92
43) Toluene	8.68	92	180433	52.69	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	91935	49.76	ug/L		96
45) 1,1,2-Trichloroethane	9.21	83	48758	51.22	ug/L		98
47) 2-Hexanone	9.54	43	129187	108.17	ug/L		89
48) Tetrachloroethene	9.39	166	54728	49.05	ug/L		93
49) 1,3-Dichloropropane	9.41	76	103059	49.40	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203359.D VW052704.M Fri May 28 11:06:56 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

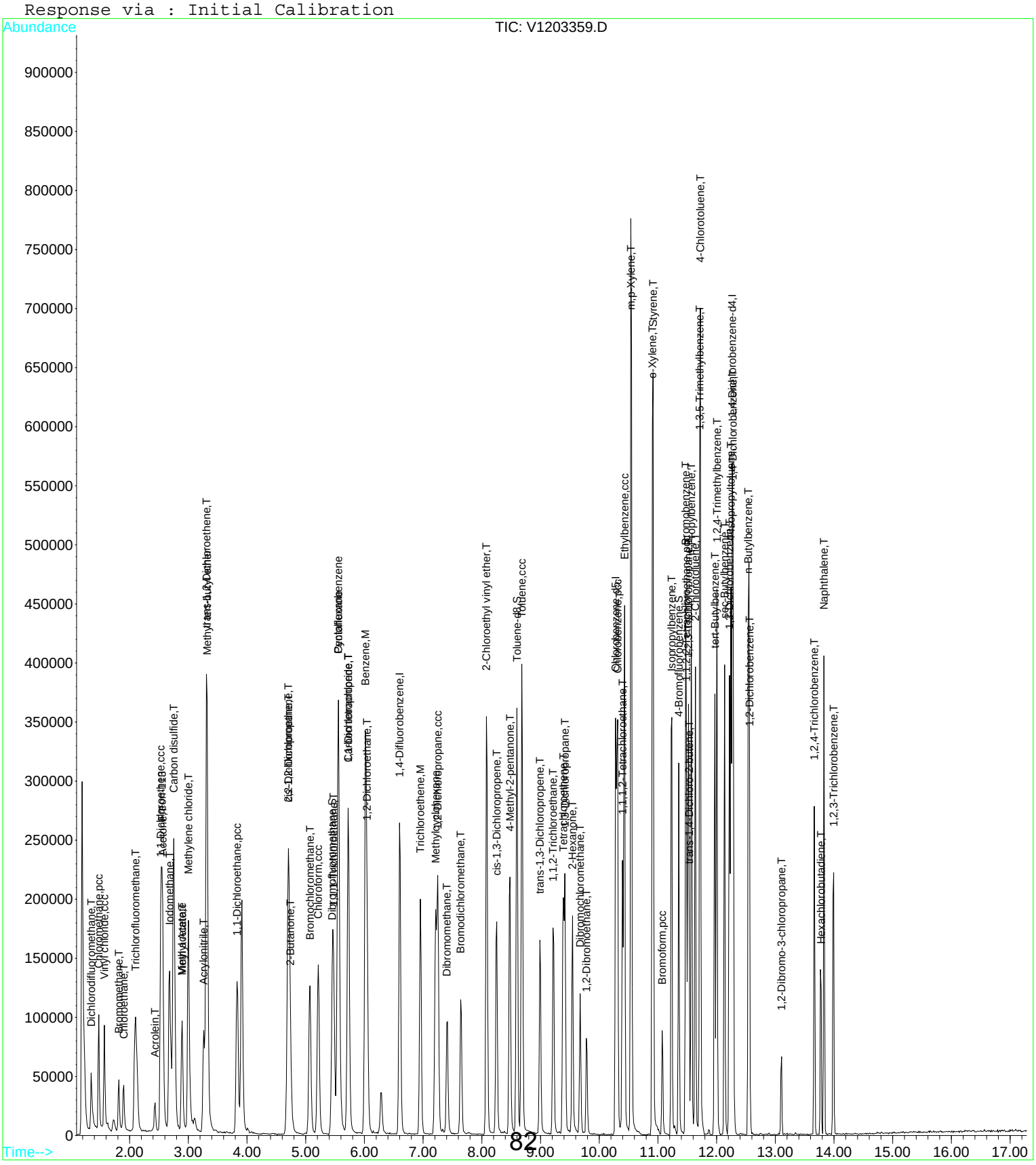
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.68	129	55605	51.14	ug/L		99
51)	1,2-Dibromoethane	9.78	107	54577	50.64	ug/L	#	98
52)	Chlorobenzene	10.31	112	170870	47.79	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.40	131	53771	52.14	ug/L		98
54)	Ethylbenzene	10.43	91	284662	51.73	ug/L		96
55)	m,p-Xylene	10.54	91	435591	104.11	ug/L		97
56)	o-Xylene	10.91	91	216466	51.44	ug/L		96
57)	Styrene	10.92	104	184881	52.16	ug/L		100
58)	Bromoform	11.07	173	36748	49.68	ug/L		98
61)	Bromobenzene	11.47	156	68396	52.31	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.49	83	80518	52.17	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	125218	52.03	ug/L	#	57
64)	Isopropylbenzene	11.24	105	224450	53.23	ug/L		98
65)	n-Propylbenzene	11.57	91	292276	53.13	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	10674	102.48	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	184984	51.64	ug/L		98
68)	4-Chlorotoluene	11.72	91	221134	52.55	ug/L		97
69)	1,3,5-Trimethylbenzene	11.71	105	185495	51.59	ug/L		99
70)	tert-Butylbenzene	11.97	119	169890	48.80	ug/L		94
71)	1,2,4-Trimethylbenzene	12.01	105	199406	51.77	ug/L		89
72)	sec-Butylbenzene	12.14	105	199478	51.79	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	121129	52.10	ug/L		96
74)	4-Isopropyltoluene	12.24	119	182588	52.24	ug/L		97
75)	1,4-Dichlorobenzene	12.28	146	125030	48.52	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	119032	50.58	ug/L		97
77)	n-Butylbenzene	12.54	91	159021	48.62	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.11	75	12688	49.30	ug/L		92
79)	1,2,4-Trichlorobenzene	13.66	180	60284	52.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	21968	49.41	ug/L		96
81)	Naphthalene	13.83	128	201920	50.37	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	58470	52.87	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	175432	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	263181	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	182883	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	103811	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	158601	100.83	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 201.66%#				
42) Toluene-d8	8.59	98	531917	106.08	ug/L		0.00
Spiked Amount 50.000			Recovery = 212.16%				
59) 4-Bromofluorobenzene	11.35	95	179320	113.83	ug/L		0.00
Spiked Amount 50.000			Recovery = 227.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	130671	101.22	ug/L		99
3) Chloromethane	1.47	50	179683	96.63	ug/L		97
4) Vinyl chloride	1.57	62	131836	93.00	ug/L		98
5) Bromomethane	1.81	94	57919	107.33	ug/L		100
6) Chloroethane	1.90	64	49814	55.06	ug/L		97
7) Trichlorofluoromethane	2.10	101	250953	105.98	ug/L		95
8) Acrolein	2.43	56	41395	198.70	ug/L		99
9) 1,1-Dichloroethene	2.54	96	145451	97.93	ug/L		69
10) Freon-113	2.55	101	106884	93.08	µg/L		89
11) Acetone	2.57	58	39442	192.68	ug/L	#	31
12) Iodomethane	2.68	142	461524	193.20	ug/L		86
13) Carbon disulfide	2.75	76	922407	189.99	ug/L		100
14) Methyl Acetate	2.89	43	274297	88.33	µg/L	#	7
15) Vinyl acetate	2.89	43	274297	176.65	ug/L		90
16) Methylene chloride	3.00	84	160199	102.46	ug/L	#	72
17) Acrylonitrile	3.27	53	163317	187.61	ug/L		99
18) Methyl tert-butyl ether	3.32	73	503542	101.45	µg/L		93
19) trans-1,2-Dichloroethene	3.32	96	167396	94.47	ug/L		87
20) 1,1-Dichloroethane	3.84	63	362811	96.61	ug/L		98
21) 2,2-Dichloropropane	4.70	77	142244	98.13	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	190910	101.78	ug/L		92
23) 2-Butanone	4.74	72	49008	188.22	ug/L	#	36
24) Bromochloromethane	5.07	128	81681	93.61	ug/L	#	58
25) Chloroform	5.21	83	283504	92.09	ug/L		97
26) Cyclohexane	5.57	56	287930	96.79	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	213528	99.06	ug/L		94
30) 1,1-Dichloropropene	5.73	110	73586	101.59	ug/L		94
31) Carbon tetrachloride	5.72	119	175985	106.94	ug/L		99
32) Benzene	6.03	78	704963	103.03	ug/L		100
33) 1,2-Dichloroethane	6.05	62	231764	100.00	ug/L		98
34) Trichloroethene	6.95	130	153037	100.71	ug/L		90
35) Methylcyclohexane	7.21	55	155744	110.44	µg/L		94
36) 1,2-Dichloropropane	7.25	63	182011	101.85	ug/L	#	100
37) Dibromomethane	7.41	93	95794	101.44	ug/L		91
38) Bromodichloromethane	7.65	83	172725	101.80	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	341820	223.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	232224	110.09	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	393317	220.63	ug/L		93
43) Toluene	8.69	92	384530	106.36	ug/L		96
44) trans-1,3-Dichloropropene	9.00	75	200733	98.10	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	104324	103.82	ug/L		99
47) 2-Hexanone	9.54	43	265078	213.23	ug/L		91
48) Tetrachloroethene	9.39	166	118836	102.32	ug/L		90
49) 1,3-Dichloropropane	9.41	76	230012	105.91	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

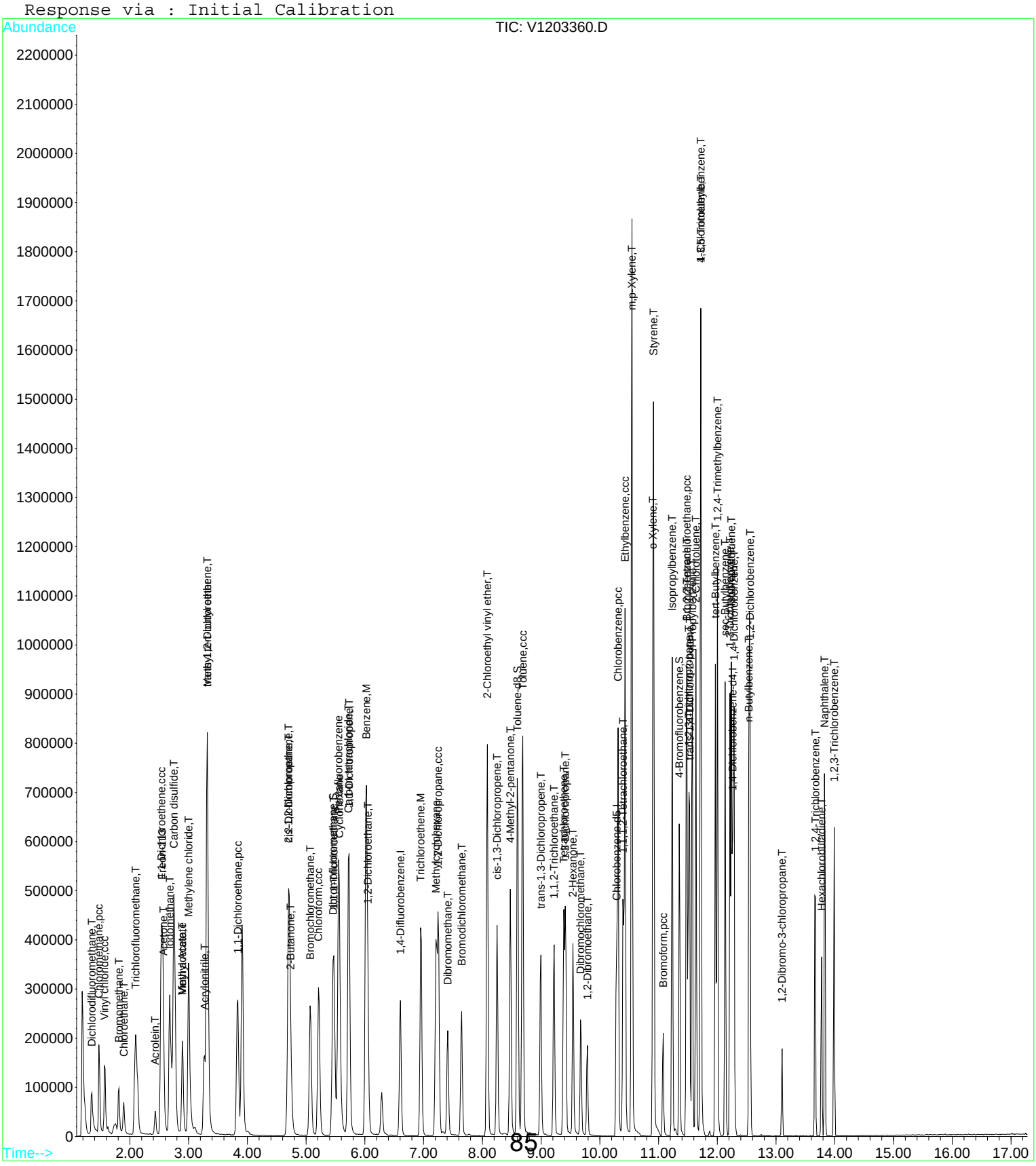
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	119913	105.95	ug/L		95
51)	1,2-Dibromoethane	9.79	107	117901	105.08	ug/L	#	98
52)	Chlorobenzene	10.31	112	377376	101.40	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	118972	110.82	ug/L		94
54)	Ethylbenzene	10.43	91	627127	109.48	ug/L		97
55)	m,p-Xylene	10.55	91	966264	221.85	ug/L		95
56)	o-Xylene	10.90	91	479059	109.36	ug/L		97
57)	Styrene	10.91	104	394184	106.84	ug/L		98
58)	Bromoform	11.08	173	84114	109.25	ug/L		99
61)	Bromobenzene	11.48	156	151617	108.29	ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	168918	102.22	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	279832	108.59	ug/L	#	1
64)	Isopropylbenzene	11.23	105	497102	110.10	ug/L		100
65)	n-Propylbenzene	11.58	91	648514	110.11	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	22704	194.34	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	416987	108.71	ug/L		98
68)	4-Chlorotoluene	11.72	91	487050	108.09	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	422094	109.64	ug/L		100
70)	tert-Butylbenzene	11.97	119	383859	99.07	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	447246	108.44	ug/L		89
72)	sec-Butylbenzene	12.13	105	456059	110.58	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	258853	103.99	ug/L		96
74)	4-Isopropyltoluene	12.24	119	408641	109.19	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	275915	100.01	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	262478	104.16	ug/L		95
77)	n-Butylbenzene	12.53	91	364589	100.99	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	30042	109.01	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	136338	110.16	ug/L		94
80)	Hexachlorobutadiene	13.78	225	50565	106.22	ug/L		99
81)	Naphthalene	13.82	128	448359	100.75	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	132950	112.27	ug/L		96

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	194113	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	287093	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	203665	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	115167	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	251118	169.57	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 339.14%#				
42) Toluene-d8	8.59	98	847124	144.38	ug/L		0.00
Spiked Amount 50.000			Recovery = 288.76%				
59) 4-Bromofluorobenzene	11.35	95	293196	159.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 319.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	220401	121.26	ug/L		99
3) Chloromethane	1.47	50	282372	83.26	ug/L		97
4) Vinyl chloride	1.57	62	210888	80.04	ug/L		99
5) Bromomethane	1.80	94	103773	94.11	ug/L		99
6) Chloroethane	1.89	64	92023	63.72	ug/L		97
7) Trichlorofluoromethane	2.10	101	412302	192.53	ug/L		97
8) Acrolein	2.43	56	55915	226.73	ug/L		99
9) 1,1-Dichloroethene	2.52	96	223123	125.92	ug/L	#	66
10) Freon-113	2.55	101	169043	119.71	µg/L	#	89
11) Acetone	2.57	58	67865	254.95	ug/L	#	20
12) Iodomethane	2.68	142	745470	294.69	ug/L	#	82
13) Carbon disulfide	2.75	76	1392310	239.79	ug/L		100
14) Methyl Acetate	2.89	43	416051	181.09	µg/L	#	8
15) Vinyl acetate	2.89	43	416051	362.16	ug/L		91
16) Methylene chloride	3.00	84	265718	126.42	ug/L		79
17) Acrylonitrile	3.26	53	249843	204.55	ug/L		98
18) Methyl tert-butyl ether	3.32	73	815759	119.40	µg/L		95
19) trans-1,2-Dichloroethene	3.31	96	266680	126.47	ug/L		88
20) 1,1-Dichloroethane	3.83	63	596508	139.59	ug/L		99
21) 2,2-Dichloropropane	4.70	77	238644	127.76	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	321475	141.33	ug/L		92
23) 2-Butanone	4.74	72	87460	296.95	ug/L	#	44
24) Bromochloromethane	5.07	128	139379	142.27	ug/L	#	65
25) Chloroform	5.21	83	474108	145.01	ug/L		100
26) Cyclohexane	5.55	56	469650	105.02	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	368827	149.01	ug/L		95
30) 1,1-Dichloropropene	5.73	110	126511	149.32	ug/L		97
31) Carbon tetrachloride	5.72	119	297817	167.09	ug/L		100
32) Benzene	6.02	78	1149342	141.60	ug/L		100
33) 1,2-Dichloroethane	6.05	62	378870	154.13	ug/L		97
34) Trichloroethene	6.95	130	267669	146.69	ug/L		92
35) Methylcyclohexane	7.21	55	256482	118.95	µg/L		94
36) 1,2-Dichloropropane	7.25	63	296594	135.45	ug/L	#	100
37) Dibromomethane	7.41	93	154334	154.82	ug/L		92
38) Bromodichloromethane	7.65	83	294974	146.83	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	550581	261.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	392102	138.87	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	634759	269.73	ug/L		94
43) Toluene	8.69	92	628207	140.79	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	339045	136.18	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	170389	131.29	ug/L		98
47) 2-Hexanone	9.54	43	452183	308.49	ug/L		90
48) Tetrachloroethene	9.39	166	201549	153.03	ug/L		94
49) 1,3-Dichloropropane	9.42	76	377460	148.49	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

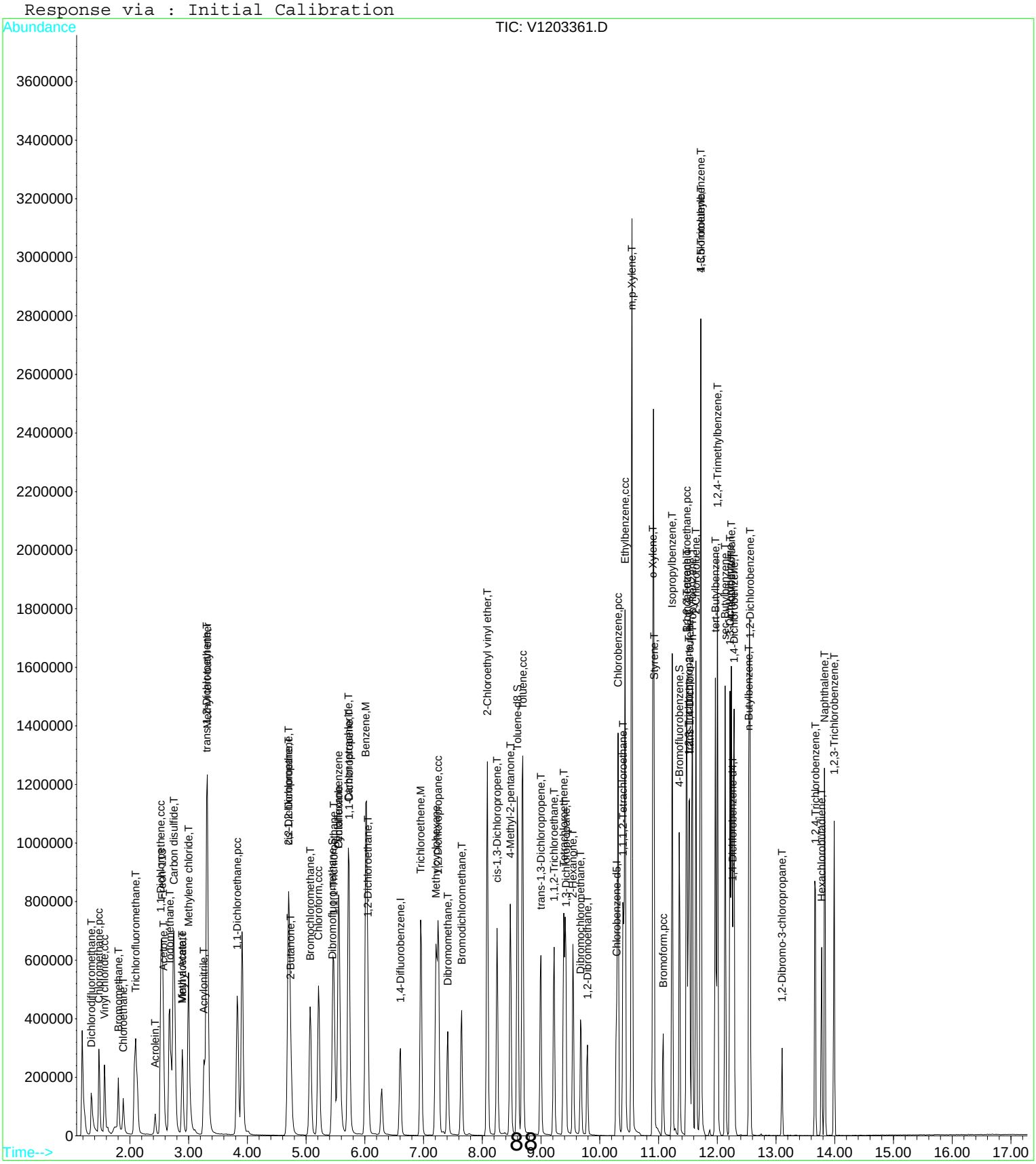
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	202378	166.33	ug/L		94
51)	1,2-Dibromoethane	9.79	107	197226	145.69	ug/L	#	100
52)	Chlorobenzene	10.31	112	617098	152.79	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	204471	158.70	ug/L		98
54)	Ethylbenzene	10.43	91	1057209	160.07	ug/L		96
55)	m,p-Xylene	10.55	91	1591596	318.74	ug/L		95
56)	o-Xylene	10.90	91	802552	156.66	ug/L		94
57)	Styrene	10.93	104	653778	143.55	ug/L		96
58)	Bromoform	11.08	173	146721	176.78	ug/L		98
61)	Bromobenzene	11.48	156	249054	139.64	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	254610	131.26	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	468417	125.33	ug/L	#	1
64)	Isopropylbenzene	11.23	105	846215	119.46	ug/L		99
65)	n-Propylbenzene	11.58	91	1081903	132.15	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	39099	239.39	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	697559	135.70	ug/L		95
68)	4-Chlorotoluene	11.72	91	812515	138.80	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	700772	124.51	ug/L		97
70)	tert-Butylbenzene	11.97	119	651628	133.80	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	759078	127.94	ug/L		90
72)	sec-Butylbenzene	12.13	105	779538	122.86	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	423200	130.40	ug/L		95
74)	4-Isopropyltoluene	12.24	119	686127	137.01	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	462417	133.98	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	428082	133.21	ug/L		96
77)	n-Butylbenzene	12.54	91	613260	140.76	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	51262	142.19	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	240989	146.98	ug/L		96
80)	Hexachlorobutadiene	13.78	225	87213	139.22	ug/L		98
81)	Naphthalene	13.83	128	752043	134.22	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	221655	142.92	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	210108	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	306958	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	217112	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	122961	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	366024	199.52	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 399.04%#				
42) Toluene-d8	8.60	98	1217413	208.17	ug/L		0.00
Spiked Amount 50.000			Recovery = 416.34%				
59) 4-Bromofluorobenzene	11.35	95	433024	231.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 463.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	320667	207.40	ug/L		98
3) Chloromethane	1.47	50	399398	179.34	ug/L		94
4) Vinyl chloride	1.57	62	300508	176.99	ug/L		99
5) Bromomethane	1.79	94	125159	197.72	ug/L		99
6) Chloroethane	1.89	64	155374	143.38	ug/L		97
7) Trichlorofluoromethane	2.09	101	586103	206.66	ug/L		97
8) Acrolein	2.43	56	68060	274.10	ug/L		99
9) 1,1-Dichloroethene	2.53	96	283803	159.55	ug/L	#	55
10) Freon-113	2.55	101	223432	162.47	µg/L	#	88
11) Acetone	2.57	58	94677	398.35	ug/L	#	1
12) Iodomethane	2.67	142	1010703	353.26	ug/L	#	79
13) Carbon disulfide	2.74	76	1811302	311.51	ug/L		100
14) Methyl Acetate	2.89	43	558319	150.11	µg/L	#	8
15) Vinyl acetate	2.89	43	558452	300.29	ug/L		93
16) Methylene chloride	3.00	84	349794	192.64	ug/L		79
17) Acrylonitrile	3.26	53	336550	322.80	ug/L		99
18) Methyl tert-butyl ether	3.32	73	1158976	194.96	µg/L		98
19) trans-1,2-Dichloroethene	3.31	96	358893	169.11	ug/L		86
20) 1,1-Dichloroethane	3.83	63	860029	191.21	ug/L		98
21) 2,2-Dichloropropane	4.70	77	346467	199.57	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	467026	207.89	ug/L		93
23) 2-Butanone	4.74	72	134348	430.81	ug/L	#	49
24) Bromochloromethane	5.07	128	203917	195.13	ug/L	#	67
25) Chloroform	5.21	83	690615	187.31	ug/L		100
26) Cyclohexane	5.55	56	682016	191.43	µg/L		99
27) 1,1,1-Trichloroethane	5.47	97	536053	207.63	ug/L		96
30) 1,1-Dichloropropene	5.72	110	176755	209.21	ug/L		93
31) Carbon tetrachloride	5.72	119	447959	233.38	ug/L		99
32) Benzene	6.02	78	1643734	205.97	ug/L		99
33) 1,2-Dichloroethane	6.05	62	556244	205.78	ug/L		98
34) Trichloroethene	6.95	130	394534	222.61	ug/L		93
35) Methylcyclohexane	7.21	55	368483	224.04	µg/L		94
36) 1,2-Dichloropropane	7.25	63	417591	200.34	ug/L	#	100
37) Dibromomethane	7.41	93	227564	206.61	ug/L		90
38) Bromodichloromethane	7.65	83	429244	216.91	ug/L		98
39) 2-Chloroethyl vinyl ether	8.09	63	777793	436.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	559807	227.55	ug/L		99
41) 4-Methyl-2-pentanone	8.48	43	888510	427.33	ug/L		95
43) Toluene	8.69	92	888065	210.61	ug/L		97
44) trans-1,3-Dichloropropene	9.00	75	493441	201.76	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	246320	210.18	ug/L		96
47) 2-Hexanone	9.54	43	647960	439.04	ug/L		91
48) Tetrachloroethene	9.39	166	279881	202.99	ug/L		93
49) 1,3-Dichloropropane	9.41	76	534333	207.24	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203362.D VW052704.M Fri May 28 11:07:49 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

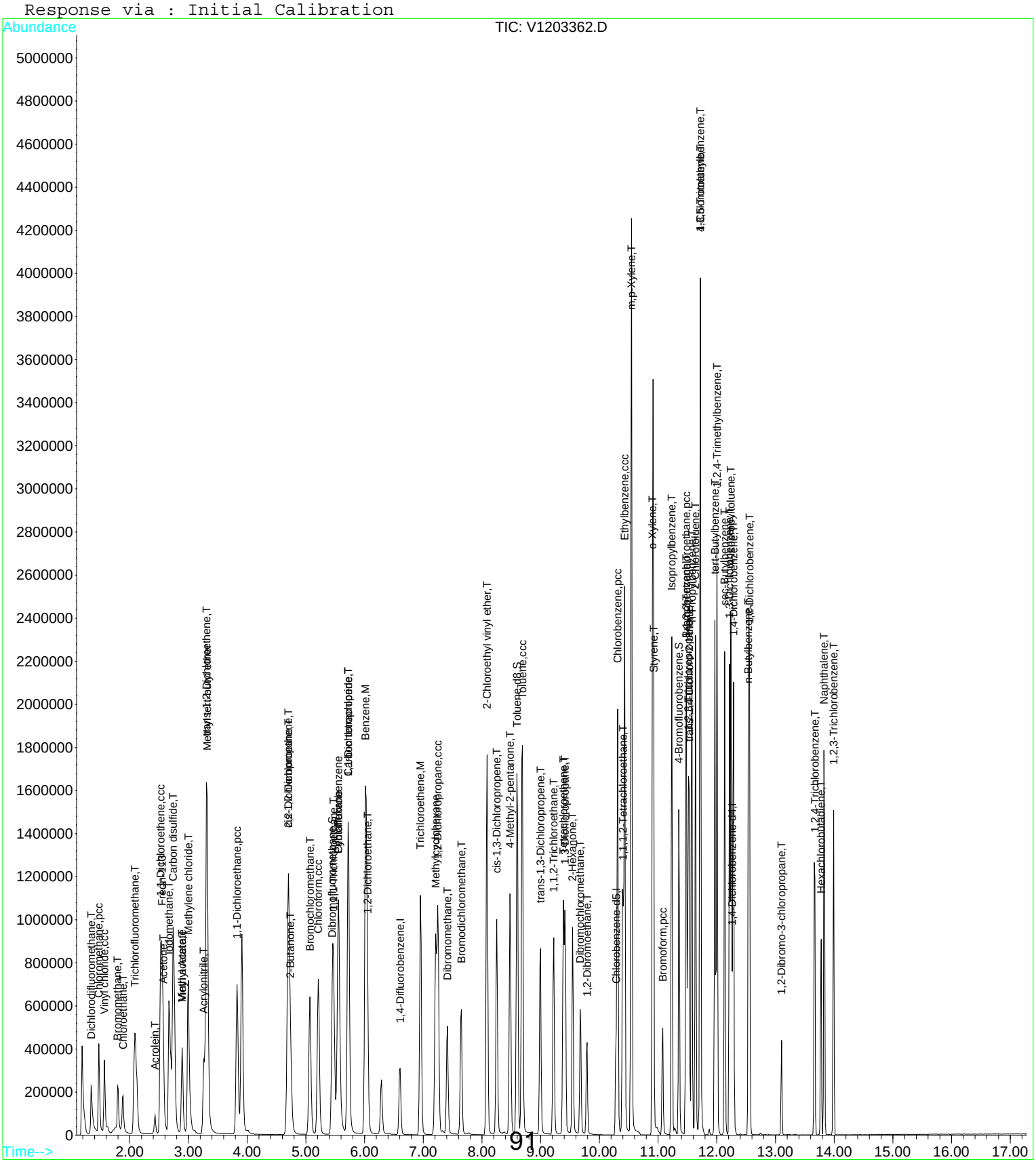
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	Dibromochloromethane	9.67	129	292400	217.63 ug/L		96
51)	1,2-Dibromoethane	9.79	107	287321	215.71 ug/L	#	99
52)	Chlorobenzene	10.31	112	877577	198.62 ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.41	131	301371	236.47 ug/L		99
54)	Ethylbenzene	10.43	91	1502586	220.95 ug/L		95
55)	m,p-Xylene	10.55	91	2222442	429.82 ug/L		93
56)	o-Xylene	10.90	91	1140613	219.32 ug/L		94
57)	Styrene	10.93	104	910596	207.89 ug/L		93
58)	Bromoform	11.08	173	215408	235.67 ug/L		97
61)	Bromobenzene	11.48	156	354061	213.50 ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	332530	169.89 ug/L		99
63)	1,2,3-Trichloropropane	11.52	75	666796	218.46 ug/L	#	1
64)	Isopropylbenzene	11.23	105	1208016	225.89 ug/L		99
65)	n-Propylbenzene	11.58	91	1553035	222.61 ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	57542	405.15 ug/L	#	100
67)	2-Chlorotoluene	11.64	91	990141	217.93 ug/L		96
68)	4-Chlorotoluene	11.72	91	1165089	218.30 ug/L		92
69)	1,3,5-Trimethylbenzene	11.72	105	989213	216.94 ug/L		98
70)	tert-Butylbenzene	11.97	119	939730	201.01 ug/L		90
71)	1,2,4-Trimethylbenzene	12.00	105	1081204	221.31 ug/L		92
72)	sec-Butylbenzene	12.13	105	1114256	228.09 ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	615190	208.65 ug/L		96
74)	4-Isopropyltoluene	12.24	119	988984	223.10 ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	636444	194.76 ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	603629	202.24 ug/L		95
77)	n-Butylbenzene	12.54	91	860854	198.61 ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	73334	224.66 ug/L		92
79)	1,2,4-Trichlorobenzene	13.67	180	340041	231.96 ug/L		96
80)	Hexachlorobutadiene	13.78	225	129848	230.29 ug/L		100
81)	Naphthalene	13.83	128	1069181	199.35 ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	317800	226.57 ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	201489	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	300401	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	204560	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	112683	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	87707	48.85	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 97.70%				
42) Toluene-d8	8.60	98	306261	53.51	ug/L		0.00
Spiked Amount 50.000			Recovery = 107.02%				
59) 4-Bromofluorobenzene	11.35	95	103453	58.71	ug/L		0.00
Spiked Amount 50.000			Recovery = 117.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	76725	51.75	ug/L		99
3) Chloromethane	1.47	50	93505	43.78	ug/L		96
4) Vinyl chloride	1.57	62	75750	46.52	ug/L		98
5) Bromomethane	1.82	94	27654	41.66	ug/L		99
6) Chloroethane	1.90	64	36239	34.87	ug/L		98
7) Trichlorofluoromethane	2.10	101	145763	53.60	ug/L		99
8) Acrolein	2.43	56	20706	84.54	ug/L		96
9) 1,1-Dichloroethene	2.54	96	81002	47.49	ug/L	#	67
10) Freon-113	2.55	101	62705	47.55	µg/L		91
11) Acetone	2.56	58	40948	173.00	ug/L	#	37
12) Iodomethane	2.68	142	261147	95.18	ug/L		86
13) Carbon disulfide	2.75	76	520461	93.34	ug/L		100
14) Methyl Acetate	2.89	43	134797	37.79	µg/L	#	7
15) Vinyl acetate	2.89	43	134797	75.58	ug/L		90
16) Methylene chloride	3.00	84	88212	45.43	ug/L	#	74
17) Acrylonitrile	3.26	53	79777	79.79	ug/L		99
18) Methyl tert-butyl ether	3.32	73	258623	45.37	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	92368	45.38	ug/L		88
20) 1,1-Dichloroethane	3.83	63	195497	45.32	ug/L		99
21) 2,2-Dichloropropane	4.70	77	92072	55.30	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	105851	49.13	ug/L		94
23) 2-Butanone	4.74	72	37403	125.07	ug/L	#	32
24) Bromochloromethane	5.07	128	46112	46.01	ug/L	#	62
25) Chloroform	5.21	83	154164	43.60	ug/L		98
26) Cyclohexane	5.55	56	166711	48.79	µg/L		97
27) 1,1,1-Trichloroethane	5.47	97	126250	50.99	ug/L		95
30) 1,1-Dichloropropene	5.72	110	44168	53.42	ug/L		96
31) Carbon tetrachloride	5.72	119	96204	51.21	ug/L		97
32) Benzene	6.02	78	386050	49.43	ug/L		99
33) 1,2-Dichloroethane	6.05	62	121934	46.09	ug/L		98
34) Trichloroethene	6.95	130	88006	50.74	ug/L		94
35) Methylcyclohexane	7.21	55	91291	56.72	µg/L		95
36) 1,2-Dichloropropane	7.25	63	94245	46.20	ug/L	#	100
37) Dibromomethane	7.41	93	50198	46.57	ug/L		89
38) Bromodichloromethane	7.65	83	93234	48.14	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	171012	98.10	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	124200	51.59	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	207775	102.11	ug/L		93
43) Toluene	8.68	92	206840	50.12	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	103459	46.77	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	52890	46.11	ug/L		99
47) 2-Hexanone	9.54	43	184202	132.47	ug/L		89
48) Tetrachloroethene	9.39	166	66451	51.15	ug/L		91
49) 1,3-Dichloropropane	9.41	76	120175	49.47	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

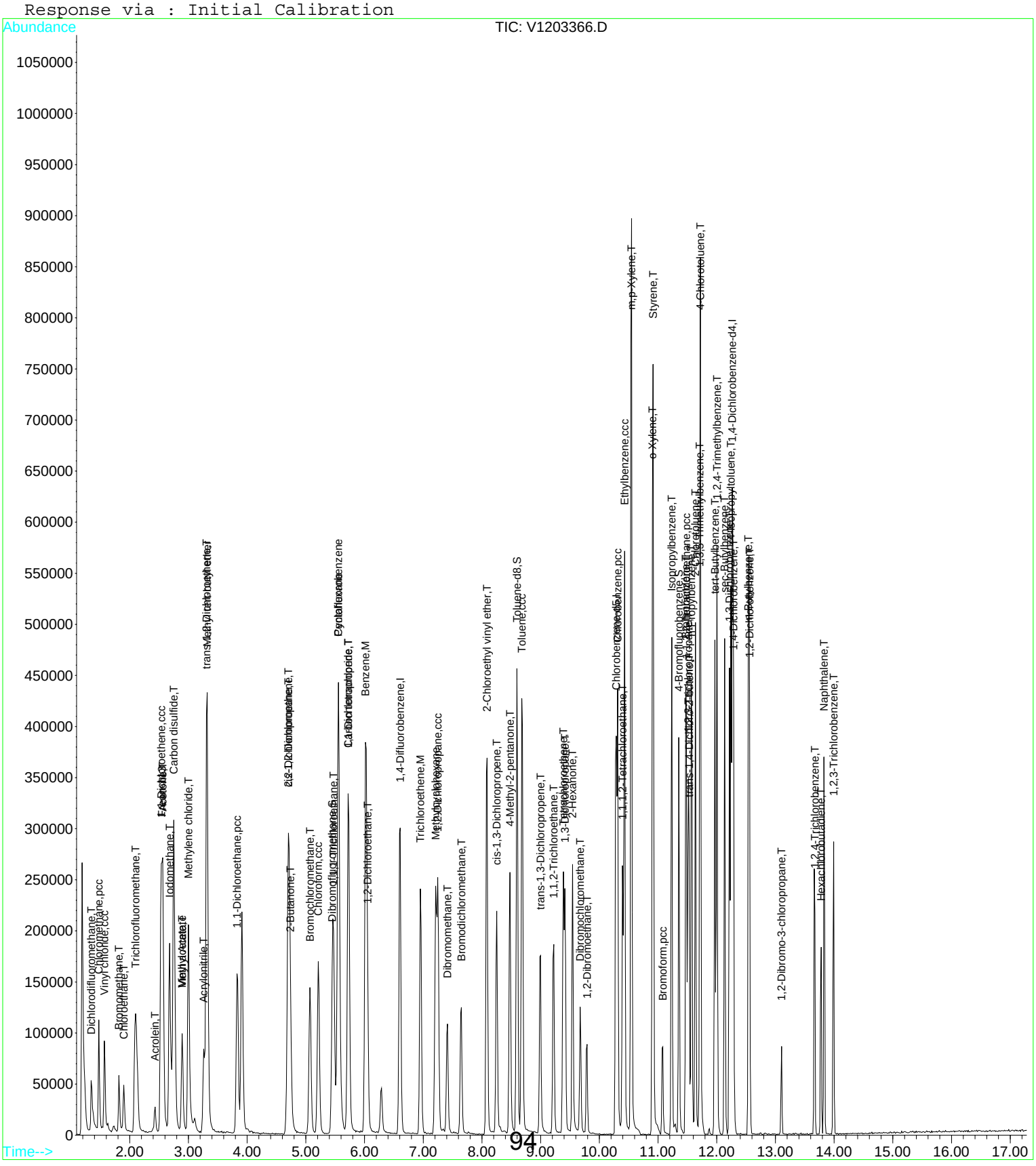
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	60302	47.64	ug/L		99
51)	1,2-Dibromoethane	9.79	107	60472	48.19	ug/L	#	98
52)	Chlorobenzene	10.31	112	199386	47.90	ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.39	131	58442	48.67	ug/L		92
54)	Ethylbenzene	10.43	91	332996	51.97	ug/L		96
55)	m,p-Xylene	10.55	91	516037	105.92	ug/L		97
56)	o-Xylene	10.90	91	251263	51.28	ug/L		96
57)	Styrene	10.92	104	201074	48.72	ug/L		99
58)	Bromoform	11.08	173	41743	48.47	ug/L		96
61)	Bromobenzene	11.47	156	78823	51.86	ug/L	#	61
62)	1,1,2,2-Tetrachloroethane	11.48	83	78984	44.03	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	135464	48.43	ug/L	#	58
64)	Isopropylbenzene	11.23	105	264884	54.05	ug/L		99
65)	n-Propylbenzene	11.57	91	344839	53.94	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	11978	99.27	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	215671	51.80	ug/L		97
68)	4-Chlorotoluene	11.72	91	252215	51.57	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	216070	51.71	ug/L		98
70)	tert-Butylbenzene	11.97	119	197091	48.72	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	226973	50.70	ug/L		89
72)	sec-Butylbenzene	12.13	105	239211	53.43	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	133055	49.24	ug/L		97
74)	4-Isopropyltoluene	12.24	119	210422	51.80	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	142241	47.50	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	132416	48.41	ug/L		96
77)	n-Butylbenzene	12.54	91	191969	50.39	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	15280	51.08	ug/L		84
79)	1,2,4-Trichlorobenzene	13.67	180	67975	50.60	ug/L		94
80)	Hexachlorobutadiene	13.78	225	26965	52.18	ug/L		96
81)	Naphthalene	13.83	128	211912	45.82	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	62631	48.72	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.368	0.381	-3.5	118	0.00
3	pcc	Chloromethane	0.530	0.464	12.5	106	0.00
4	ccc	Vinyl chloride	0.404	0.376	6.9	109	0.00
5	T	Bromomethane	0.186	0.137	26.3#	117	0.02
6	T	Chloroethane	0.258	0.180	30.2#	111	0.01
7	T	Trichlorofluoromethane	0.675	0.723	-7.1	128	0.01
8	T	Acrolein	0.064	0.051	20.3	99	0.00
9	ccc	1,1-Dichloroethene	0.423	0.402	5.0	116	0.01
10		Freon-113	0.327	0.311	4.9	120	0.00
11	T	Acetone	0.072	0.102	-41.7#	0#	-0.01
12	T	Iodomethane	0.681	0.648	4.8	119	0.01
13	T	Carbon disulfide	1.384	1.292	6.6	116	0.01
14		Methyl Acetate	0.885	0.669	24.4	98	0.00
15	T	Vinyl acetate	0.443	0.335	24.4	98	0.00
16	T	Methylene chloride	0.616	0.438	28.9#	108	0.00
17	T	Acrylonitrile	0.248	0.198	20.2	98	0.00
18		Methyl tert-butyl ether	1.415	1.284	9.3	111	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.458	9.3	112	0.00
20	pcc	1,1-Dichloroethane	1.070	0.970	9.3	116	0.00
21	T	2,2-Dichloropropane	0.413	0.457	-10.7	139	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.525	1.9	122	0.00
23	T	2-Butanone	0.074	0.093	-25.7#	150#	0.00
24	T	Bromochloromethane	0.249	0.229	8.0	116	0.00
25	ccc	Chloroform	0.877	0.765	12.8	115	0.00
26		Cyclohexane	0.848	0.827	2.5	127	0.00
27	T	1,1,1-Trichloroethane	0.614	0.627	-2.1	125	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
29	S	Dibromofluoromethane	0.299	0.292	2.3	126	0.00
30	T	1,1-Dichloropropene	0.138	0.147	-6.5	130	0.00
31	T	Carbon tetrachloride	0.313	0.320	-2.2	124	0.00
32	M	Benzene	1.300	1.285	1.2	118	0.00
33	T	1,2-Dichloroethane	0.440	0.406	7.7	113	0.00
34	M	Trichloroethene	0.289	0.293	-1.4	126	0.00
35		Methylcyclohexane	0.268	0.304	-13.4	133	0.00
36	ccc	1,2-Dichloropropane	0.340	0.314	7.6	110	0.00
37	T	Dibromomethane	0.179	0.167	6.7	109	0.00
38	T	Bromodichloromethane	0.322	0.310	3.7	116	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.285	1.7	110	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.413	-3.0	116	0.00
41	T	4-Methyl-2-pentanone	0.339	0.346	-2.1	112	0.00
42	S	Toluene-d8	0.953	1.020	-7.0	127	0.00
43	ccc	Toluene	0.687	0.689	-0.3	115	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.344	-2.7	113	0.00
45	T	1,1,2-Trichloroethane	0.191	0.176	7.9	108	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
47	T	2-Hexanone	0.340	0.450	-32.4#	143	0.00
48	T	Tetrachloroethene	0.318	0.325	-2.2	121	0.00
49	T	1,3-Dichloropropane	0.594	0.587	1.2	117	0.00
50	T	Dibromochloromethane	0.309	0.295	4.5	108	0.00
51	T	1,2-Dibromoethane	0.307	0.296	3.6	111	0.00
52	pcc	Chlorobenzene	1.018	0.975	4.2	117	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.286	2.7	109	-0.01
54	ccc	Ethylbenzene	1.566	1.628	-4.0	117	0.00
55	T	m,p-Xylene	1.191	1.261	-5.9	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.228	-2.5	116	0.00
57	T	Styrene	1.009	0.983	2.6	109	-0.01
58	pcc	Bromoform	0.211	0.204	3.3	114	0.00
59	S	4-Bromofluorobenzene	0.431	0.506	-17.4	133	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
61	T	Bromobenzene	0.674	0.700	-3.9	115	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.701	11.9	98	0.00
63	T	1,2,3-Trichloropropane	1.241	1.202	3.1	108	0.00
64	T	Isopropylbenzene	2.175	2.351	-8.1	118	0.00
65	T	n-Propylbenzene	2.837	3.060	-7.9	118	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.053	-10.4	112	0.00
67	T	2-Chlorotoluene	1.847	1.914	-3.6	117	0.00
68	T	4-Chlorotoluene	2.170	2.238	-3.1	114	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.918	-3.5	116	-0.01
70	T	tert-Butylbenzene	1.653	1.749	-5.8	116	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.014	-1.4	114	0.00
72	T	sec-Butylbenzene	1.987	2.123	-6.8	120	0.00
73	T	1,3-Dichlorobenzene	1.199	1.181	1.5	110	0.00
74	T	4-Isopropyltoluene	1.803	1.867	-3.5	115	0.00
75	T	1,4-Dichlorobenzene	1.329	1.262	5.0	114	0.00
76	T	1,2-Dichlorobenzene	1.214	1.175	3.2	111	0.00
77	T	n-Butylbenzene	1.555	1.704	-9.6	121	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.136	-2.3	120	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.603	-1.2	113	0.00
80	T	Hexachlorobutadiene	0.229	0.239	-4.4	123	0.00
81	T	Naphthalene	1.855	1.881	-1.4	105	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.556	2.5	107	0.00

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

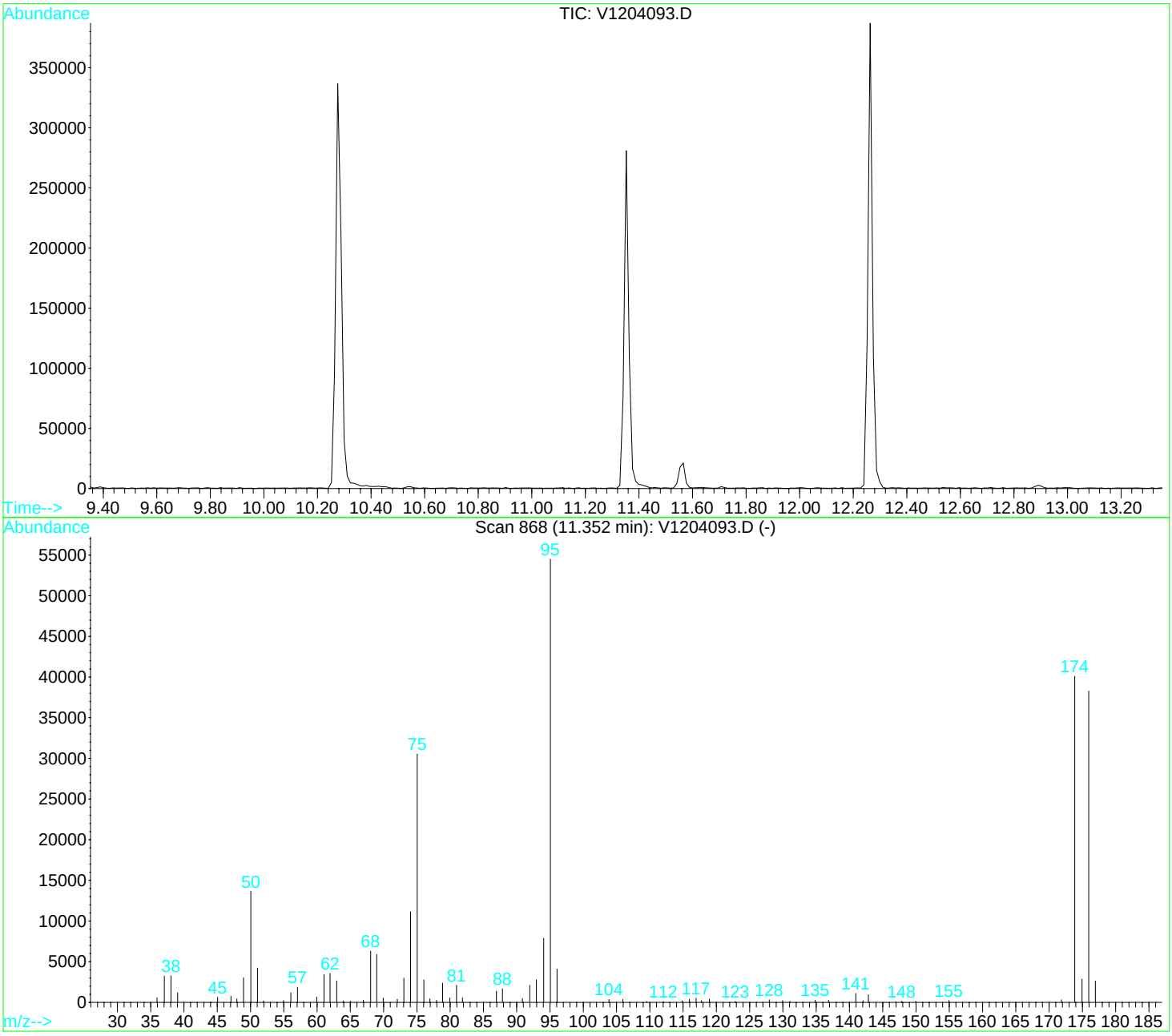
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1204093.D	1.	BFB	TUNE BFB_4	24 Jun 2004 09:21
2	2	V1204094.D	1.	BLANK	BLANK	24 Jun 2004 10:02
3	3	V1204095.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 10:39
4	4	V1204096.D	1.	MB-47082	MBLK 8260B_W	24 Jun 2004 11:19
5	5	V1204097.D	1.	LCS-47082	LCS 8260B_W	24 Jun 2004 11:44
6	6	V1204098.D	1.	0406914-001A *10	SAMP 8260B_W	24 Jun 2004 12:09
7	7	V1204099.D	1.	MB-47035 *20	MB 1311_V	24 Jun 2004 12:34
8	8	V1204100.D	1.	0406980-001A *20	SAMP 1311_V	24 Jun 2004 13:21
9	9	V1204101.D	1.	0406B07-010A	SAMP 8260_TCL4.2_W	24 Jun 2004 13:45
10	10	V1204102.D	1.	0406B07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:10
11	11	V1204103.D	1.	0406B07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:36
12	12	V1204104.D	1.	0406C07-003A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 15:01
13	13	V1204105.D	1.	0406C07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:26
14	14	V1204106.D	1.	0406C07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:51
15	15	V1204107.D	1.	0406C07-004A	SAMP 8260_TCL4.2_W	24 Jun 2004 16:16
16	16	V1204108.D	1.	0406C07-003A *10	SAMP 8260_TCL4.2_W	24 Jun 2004 16:40
17	17	V1204109.D	1.	0406C07-001AMS	MS 8260_TCL4.2_W	24 Jun 2004 17:05
18	17	V1204110.D	1.	0406C07-001AMSD	MSD 8260_TCL4.2_W	24 Jun 2004 17:29
19	18	V1204111.D	1.	MB-47074	MBLK 8260_TCL4.2_X	24 Jun 2004 17:54
20	19	V1204112.D	1.	LCS-47074	LCS 8260_TCL4.2_X	24 Jun 2004 18:19
21	20	V1204113.D	1.	0406B33-003A *500	SAMP 8260_TCL4.2_X	24 Jun 2004 18:43
22	21	V1204114.D	1.	0406B33-003AMS *500	MS 8260_TCL4.2_X	24 Jun 2004 19:08
23	21	V1204115.D	1.	0406B33-003AMS *500	MSD 8260_TCL4.2_X	24 Jun 2004 19:33
24	22	V1204116.D	1.	0406C14-001A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 19:58
25	23	V1204117.D	1.	0406C14-002A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:23
26	24	V1204118.D	1.	0406C14-003A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:47
27	25	V1204119.D	1.	0406C14-006A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:12
28	26	V1204120.D	1.	0406C14-007A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:37
29	27	V1204121.D	1.	BLANK	BLANK	24 Jun 2004 22:02
30	28	V1204122.D	1.	BLANK	BLANK	24 Jun 2004 22:27
31	29	V1204123.D	1.	BFB	TUNE BFB_4	24 Jun 2004 22:52
32	30	V1204124.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 23:17
33	31	V1204125.D	1.	MB----------	MBLK 8260B_W	24 Jun 2004 23:42
34	32	V1204126.D	1.	LCS----------	LCS 8260B_W	25 Jun 2004 00:07
35	33	V1204127.D	1.	0406983-013A *10	SAMP 8260B_W	25 Jun 2004 00:32

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
36	34	V1204128.D	1.	0406983-014A	*10	SAMP 8260B_W	25 Jun 2004 00:56
37	35	V1204129.D	1.	0406B07-003A		SAMP 8260_TCL4.2_W	25 Jun 2004 01:21
38		V1204130.D	1.				

Data File : C:\HPCHEM\1\DATA\062404\V1204093.D Vial: 1
Acq On : 24 Jun 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Scan 868

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	13663	PASS
75	95	30	60	56.0	30536	PASS
95	95	100	100	100.0	54492	PASS
96	95	5	9	7.5	4098	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.6	40092	PASS
175	174	5	9	7.1	2865	PASS
176	174	95	101	95.5	38288	PASS
177	176	5	9	6.9	2630	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	68	0.00
2	T	Dichlorodifluoromethane	0.368	0.392	-6.5	70	0.01
3	pcc	Chloromethane	0.530	0.423	20.2	56	0.00
4	ccc	Vinyl chloride	0.404	0.364	9.9	61	0.00
5	T	Bromomethane	0.186	0.205	-10.2	100	0.02
6	T	Chloroethane	0.258	0.229	11.2	81	0.01
7	T	Trichlorofluoromethane	0.675	0.868	-28.6	89	0.01
8	T	Acrolein	0.064	0.015	76.6#	17#	0.01
9	ccc	1,1-Dichloroethene	0.423	0.351	17.0	58	0.01
10		Freon-113	0.327	0.288	11.9	64	0.00
11	T	Acetone	0.072	0.063	12.5	0#	-0.01
12	T	Iodomethane	0.681	0.594	12.8	63	0.01
13	T	Carbon disulfide	1.384	1.057	23.6	55	0.01
14		Methyl Acetate	0.885	0.507	42.7#	43#	0.00
15	T	Vinyl acetate	0.443	0.253	42.9#	43#	0.00
16	T	Methylene chloride	0.616	0.385	37.5#	55	0.00
17	T	Acrylonitrile	0.248	0.142	42.7#	41#	0.00
18		Methyl tert-butyl ether	1.415	1.058	25.2	53	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.397	21.4	56	0.00
20	pcc	1,1-Dichloroethane	1.070	0.833	22.1	58	0.00
21	T	2,2-Dichloropropane	0.413	0.438	-6.1	76	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.462	13.6	62	0.00
23	T	2-Butanone	0.074	0.057	23.0	53	-0.01
24	T	Bromochloromethane	0.249	0.214	14.1	62	0.00
25	ccc	Chloroform	0.877	0.755	13.9	65	0.00
26		Cyclohexane	0.848	0.618	27.1	55	0.00
27	T	1,1,1-Trichloroethane	0.614	0.672	-9.4	77	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	-0.01
29	S	Dibromofluoromethane	0.299	0.303	-1.3	73	0.00
30	T	1,1-Dichloropropene	0.138	0.132	4.3	65	0.00
31	T	Carbon tetrachloride	0.313	0.380	-21.4	82	0.00
32	M	Benzene	1.300	1.115	14.2	57	0.00
33	T	1,2-Dichloroethane	0.440	0.444	-0.9	70	0.00
34	M	Trichloroethene	0.289	0.284	1.7	69	0.00
35		Methylcyclohexane	0.268	0.250	6.7	61	0.00
36	ccc	1,2-Dichloropropane	0.340	0.276	18.8	54	0.00
37	T	Dibromomethane	0.179	0.162	9.5	59	0.00
38	T	Bromodichloromethane	0.322	0.320	0.6	67	-0.01
39	T	2-Chloroethyl vinyl ether	0.290	0.229	21.0	49#	-0.01
40	T	cis-1,3-Dichloropropene	0.401	0.365	9.0	57	0.00
41	T	4-Methyl-2-pentanone	0.339	0.258	23.9	47#	0.00
42	S	Toluene-d8	0.953	1.023	-7.3	71	0.00
43	ccc	Toluene	0.687	0.649	5.5	61	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.308	8.1	56	-0.01
45	T	1,1,2-Trichloroethane	0.191	0.174	8.9	60	-0.01
46	I	Chlorobenzene-d5	1.000	1.000	0.0	69	0.00
47	T	2-Hexanone	0.340	0.280	17.6	52	0.00
48	T	Tetrachloroethene	0.318	0.322	-1.3	71	0.00
49	T	1,3-Dichloropropane	0.594	0.515	13.3	60	0.00
50	T	Dibromochloromethane	0.309	0.313	-1.3	68	0.00
51	T	1,2-Dibromoethane	0.307	0.276	10.1	61	-0.01
52	pcc	Chlorobenzene	1.018	0.909	10.7	64	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.322	-9.5	72	-0.01
54	ccc	Ethylbenzene	1.566	1.542	1.5	65	0.00
55	T	m,p-Xylene	1.191	1.203	-0.9	67	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.200	-0.2	67	0.00
57	T	Styrene	1.009	0.949	5.9	62	-0.01
58	pcc	Bromoform	0.211	0.211	0.0	69	0.00
59	S	4-Bromofluorobenzene	0.431	0.529	-22.7	82	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
61	T	Bromobenzene	0.674	0.621	7.9	67	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.576	27.6	52	0.00
63	T	1,2,3-Trichloropropane	1.241	0.653	47.4#	38#	-0.01
64	T	Isopropylbenzene	2.175	2.084	4.2	68	0.00
65	T	n-Propylbenzene	2.837	2.534	10.7	64	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.008	83.3#	11#	0.00
67	T	2-Chlorotoluene	1.847	1.723	6.7	68	0.00
68	T	4-Chlorotoluene	2.170	2.110	2.8	70	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.767	4.7	70	-0.01
70	T	tert-Butylbenzene	1.653	1.640	0.8	71	0.00
71	T	1,2,4-Trimethylbenzene	1.987	1.874	5.7	69	0.00
72	T	sec-Butylbenzene	1.987	1.926	3.1	71	0.00
73	T	1,3-Dichlorobenzene	1.199	1.099	8.3	66	0.00
74	T	4-Isopropyltoluene	1.803	1.796	0.4	72	0.00
75	T	1,4-Dichlorobenzene	1.329	1.210	9.0	71	0.00
76	T	1,2-Dichlorobenzene	1.214	1.136	6.4	70	0.00
77	T	n-Butylbenzene	1.555	1.560	-0.3	72	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.107	19.5	62	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.572	4.0	70	0.00
80	T	Hexachlorobutadiene	0.229	0.259	-13.1	86	0.00
81	T	Naphthalene	1.855	1.629	12.2	59	0.01
82	T	1,2,3-Trichlorobenzene	0.570	0.546	4.2	68	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	115923	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	168469	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	120521	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73300	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51111	50.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 101.52%				
42) Toluene-d8	8.59	98	172305	53.68	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 107.36%				
59) 4-Bromofluorobenzene	11.35	95	63802	61.46	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 122.92%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	45386	53.21	ug/L		95
3) Chloromethane	1.47	50	49069	39.93	ug/L		94
4) Vinyl chloride	1.57	62	42249	45.10	ug/L		98
5) Bromomethane	1.81	94	23778	64.77	ug/L		98
6) Chloroethane	1.90	64	26511	44.34	ug/L		94
7) Trichlorofluoromethane	2.10	101	100598	64.29	ug/L		96
8) Acrolein	2.44	56	3578	22.92	ug/L		99
9) 1,1-Dichloroethene	2.54	96	40727	41.50	ug/L	#	70
10) Freon-113	2.55	101	33395	44.01	µg/L	#	87
11) Acetone	2.56	58	14683	103.26	ug/L	#	17
12) Iodomethane	2.68	142	137636	87.19	ug/L	#	76
13) Carbon disulfide	2.75	76	245015	76.37	ug/L		100
14) Methyl Acetate	2.89	43	58741	28.62	µg/L	#	6
15) Vinyl acetate	2.89	43	58741	57.25	ug/L		89
16) Methylene chloride	3.00	84	44632	39.10	ug/L	#	73
17) Acrylonitrile	3.26	53	32883	57.16	ug/L		96
18) Methyl tert-butyl ether	3.32	73	122684	37.41	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	46028	39.31	ug/L		91
20) 1,1-Dichloroethane	3.83	63	96565	38.91	ug/L		99
21) 2,2-Dichloropropane	4.70	77	50740	52.97	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	53511	43.17	ug/L		94
23) 2-Butanone	4.73	72	13300	77.30	ug/L	#	42
24) Bromochloromethane	5.07	128	24757	42.94	ug/L	#	74
25) Chloroform	5.21	83	87492	43.01	ug/L		99
26) Cyclohexane	5.55	56	71624	36.44	µg/L		90
27) 1,1,1-Trichloroethane	5.47	97	77885	54.68	ug/L		96
30) 1,1-Dichloropropene	5.72	110	22173	47.82	ug/L		99
31) Carbon tetrachloride	5.72	119	63974	60.73	ug/L		99
32) Benzene	6.02	78	187833	42.89	ug/L		99
33) 1,2-Dichloroethane	6.05	62	74777	50.40	ug/L		98
34) Trichloroethene	6.95	130	47809	49.15	ug/L		95
35) Methylcyclohexane	7.21	55	42199	46.75	µg/L		94
36) 1,2-Dichloropropane	7.25	63	46416	40.57	ug/L	#	100
37) Dibromomethane	7.41	93	27303	45.17	ug/L		93
38) Bromodichloromethane	7.64	83	53848	49.58	ug/L		98
39) 2-Chloroethyl vinyl ether	8.07	63	77134	78.90	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	61575	45.60	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	86791	76.06	ug/L		93
43) Toluene	8.68	92	109298	47.23	ug/L		97
44) trans-1,3-Dichloropropene	8.99	75	51845	42.27	ug/L		98
45) 1,1,2-Trichloroethane	9.21	83	29315	45.58	ug/L		94
47) 2-Hexanone	9.54	43	67442	82.32	ug/L		88
48) Tetrachloroethene	9.39	166	38782	50.67	ug/L		94
49) 1,3-Dichloropropane	9.41	76	62055	43.36	ug/L		98

(#) = qualifier out of range (m) = manual integration
V1204095.D VW052704.M Thu Jun 24 13:17:17 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

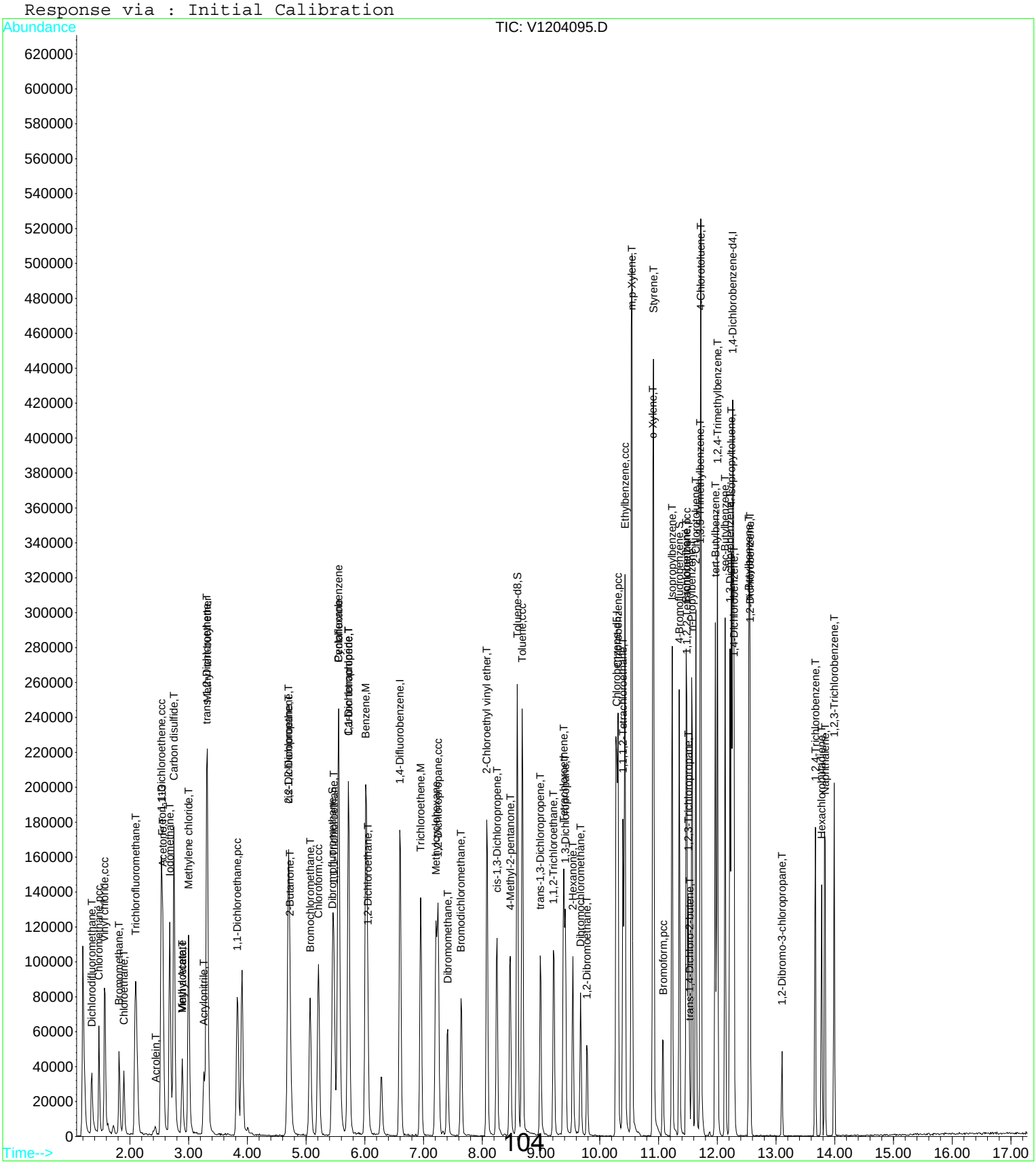
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	37727	50.58	ug/L		97
51)	1,2-Dibromoethane	9.78	107	33312	45.05	ug/L	#	96
52)	Chlorobenzene	10.31	112	109613	44.69	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	38790	54.83	ug/L		94
54)	Ethylbenzene	10.43	91	185818	49.22	ug/L		97
55)	m,p-Xylene	10.55	91	289830	100.98	ug/L		97
56)	o-Xylene	10.90	91	144636	50.10	ug/L		95
57)	Styrene	10.91	104	114361	47.03	ug/L		95
58)	Bromoform	11.08	173	25446	50.15	ug/L		98
61)	Bromobenzene	11.47	156	45538	46.06	ug/L	#	71
62)	1,1,2,2-Tetrachloroethane	11.48	83	42251	36.21	ug/L		98
63)	1,2,3-Trichloropropane	11.51	75	47891	26.32	ug/L	#	1
64)	Isopropylbenzene	11.23	105	152732	47.91	ug/L		98
65)	n-Propylbenzene	11.56	91	185762	44.67	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1176	22.94	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	126332	46.65	ug/L		95
68)	4-Chlorotoluene	11.72	91	154641	48.61	ug/L		93
69)	1,3,5-Trimethylbenzene	11.71	105	129503	47.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	120185	45.89	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	137334	47.16	ug/L		88
72)	sec-Butylbenzene	12.13	105	141147	48.47	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	80529	45.82	ug/L		98
74)	4-Isopropyltoluene	12.24	119	131618	49.81	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	88712	45.54	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	83235	46.78	ug/L		96
77)	n-Butylbenzene	12.54	91	114336	46.37	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	7811	40.14	ug/L		94
79)	1,2,4-Trichlorobenzene	13.67	180	41920	47.97	ug/L		95
80)	Hexachlorobutadiene	13.78	225	18990	56.50	ug/L		98
81)	Naphthalene	13.84	128	119377	40.14	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	40043	47.89	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.54	168	113606	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	166176	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	111076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54171	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	53971	54.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.68%			
42) Toluene-d8	8.60	98	158111	49.94	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 99.88%			
59) 4-Bromofluorobenzene	11.35	95	49629	51.87	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.74%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.	d	
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D.		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

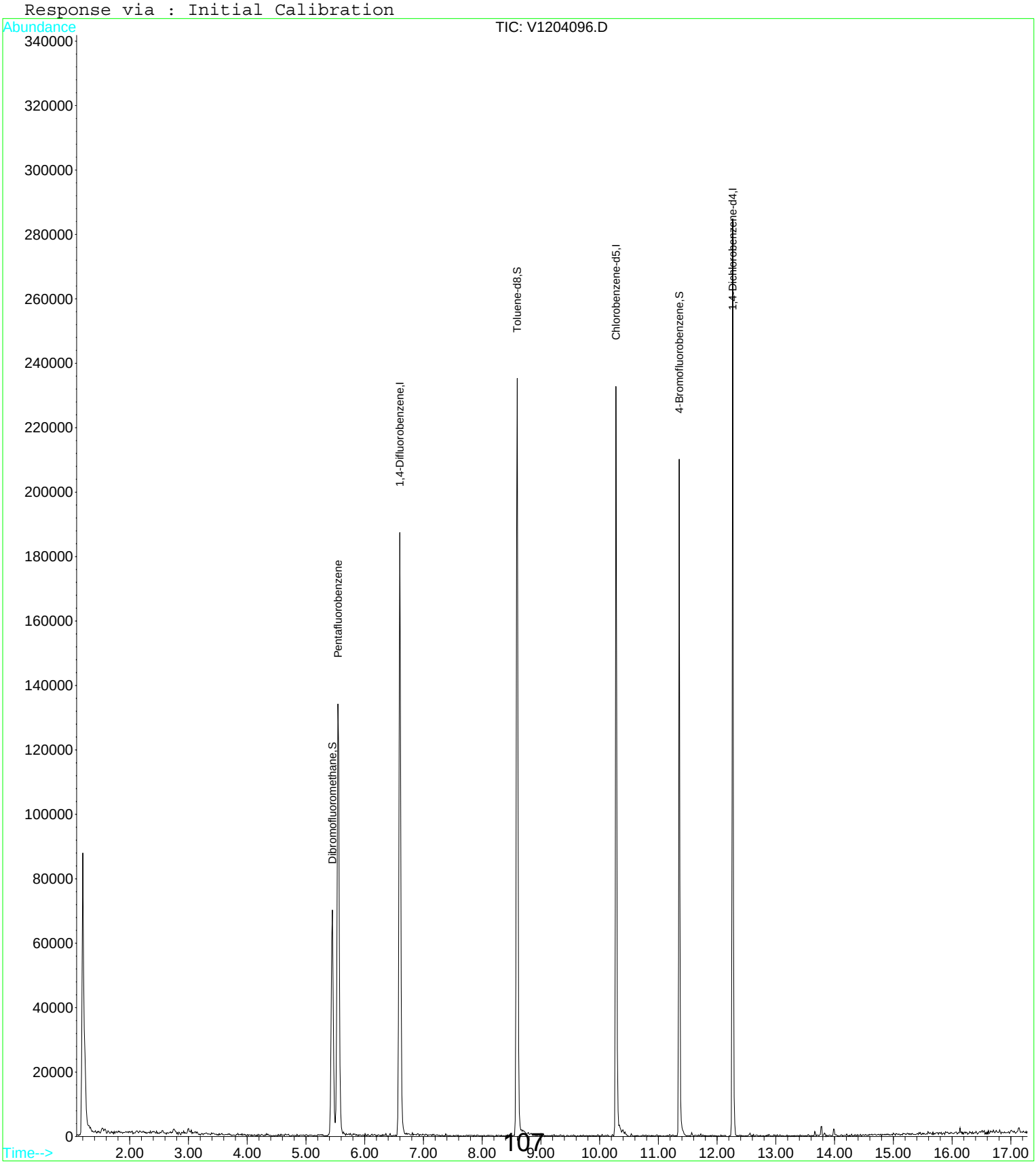
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204096.D Vial: 4
Acq On : 24 Jun 2004 11:19 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:09 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	106719	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	157925	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	109473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54884	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	49400	52.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.68%			
42) Toluene-d8	8.60	98	153286	50.95	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 101.90%			
59) 4-Bromofluorobenzene	11.35	95	48751	51.70	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	38184	42.26	ug/L #	64
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	6.02	78	194841	47.46	ug/L	100
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	49630	54.43	ug/L	96
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.68	92	110830	51.09	ug/L	98
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

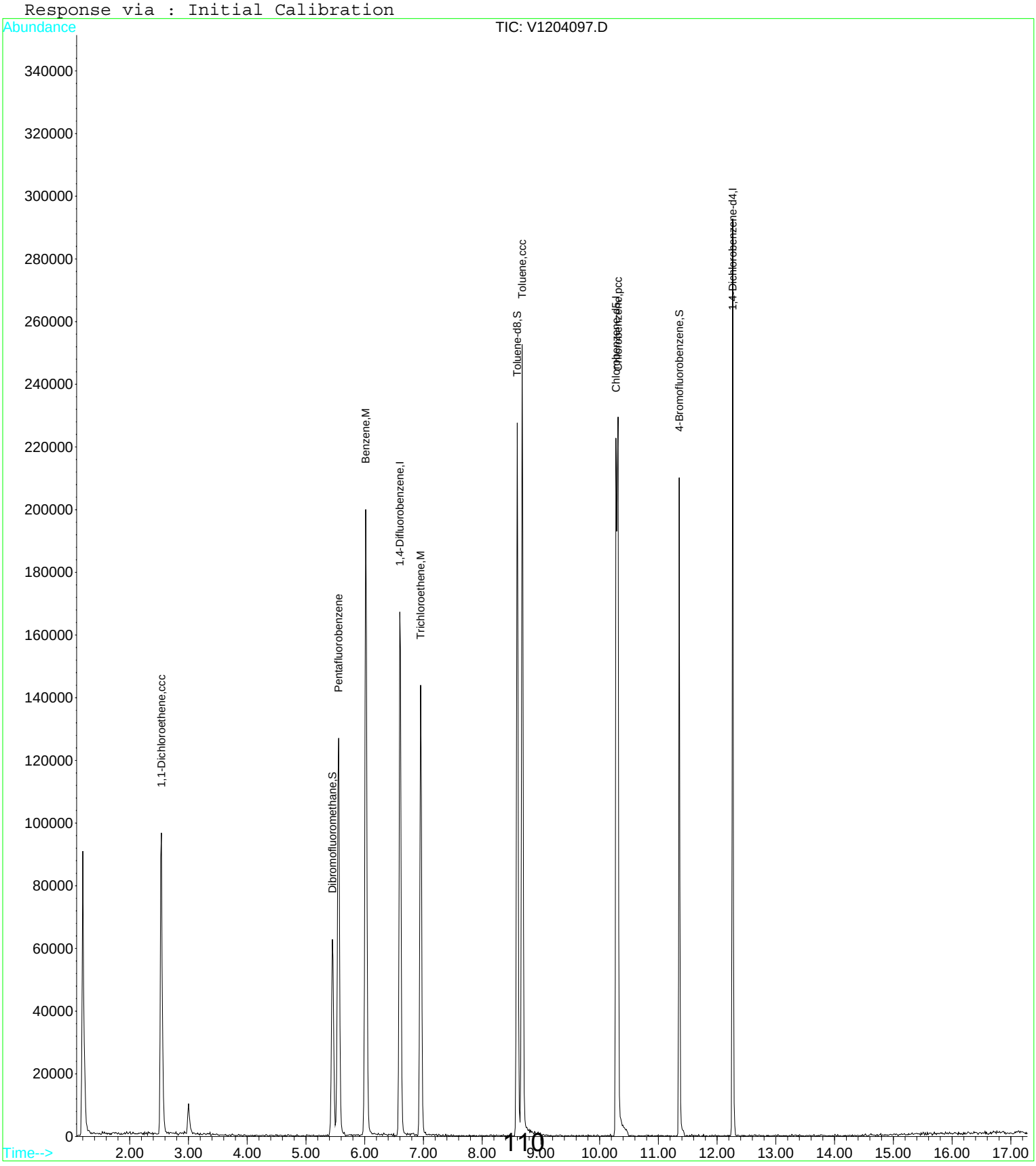
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.31	112	113186	50.81 ug/L	98
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204097.D Vial: 5
Acq On : 24 Jun 2004 11:44 am Operator: TMP
Sample : LCS-47082 Inst : GC/MS 12
Misc : LCS 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 13:10 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Injection Log

Directory: C:\HPCHEM\1\DATA\062504

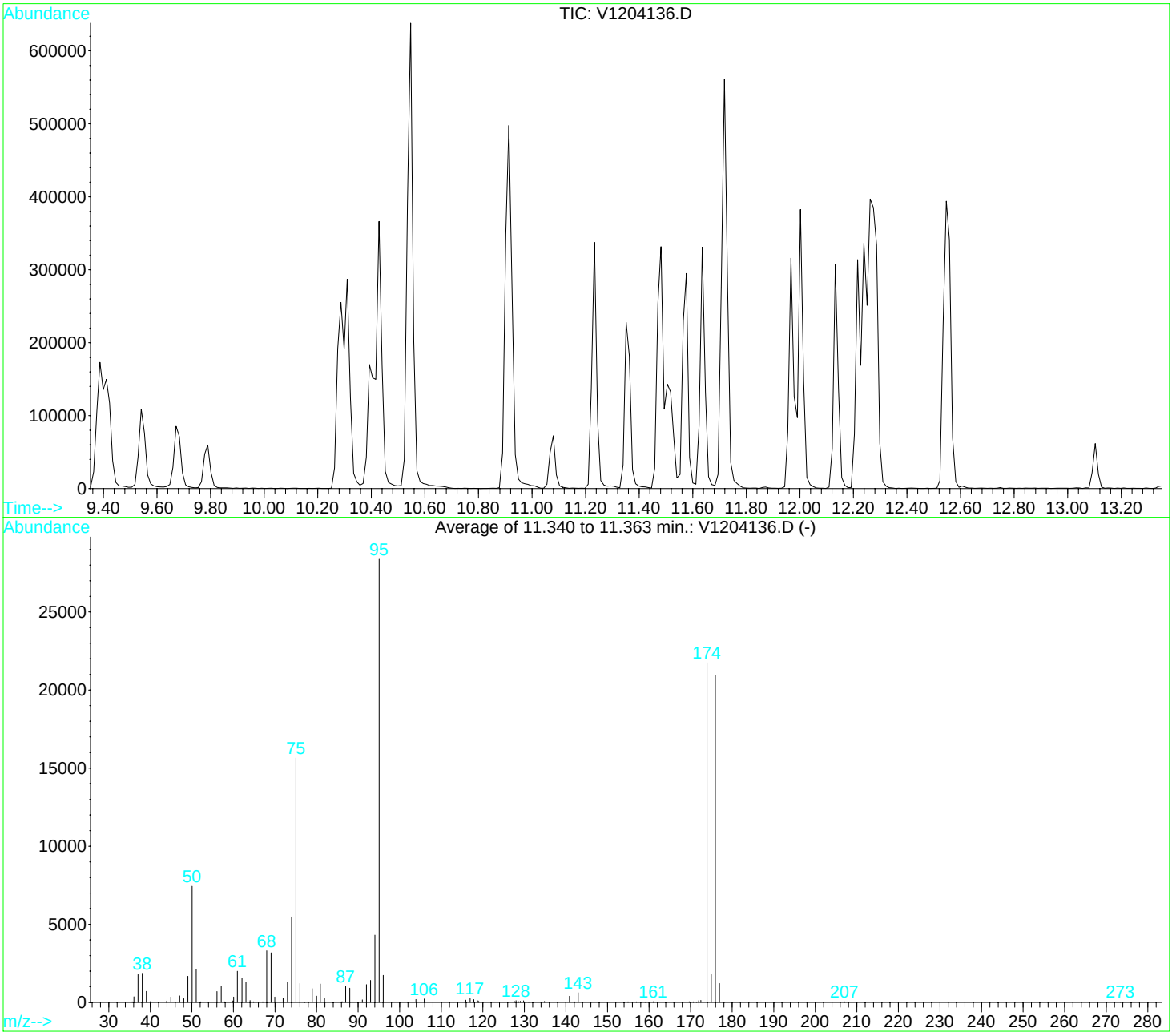
Line	Vial	FileName	Multiplier	SampleName			Misc Info	Injected
1	1	V1204130.D	1.	BLANK			BLANK	25 Jun 2004 08:09
2	2	V1204131.D	1.	BFB			TUNE BFB_4	25 Jun 2004 08:34
3	3	V1204132.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 08:59
4	4	V1204133.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 09:24
5	5	V1204134.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 09:49
6	6	V1204135.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 10:14
7	7	V1204136.D	1.	BFB			TUNE BFB_4	25 Jun 2004 10:39
8	8	V1204137.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 11:07
9	9	V1204138.D	1.	MB-47082			MBLK 8260B_W	25 Jun 2004 11:32
10	10	V1204139.D	1.	MB-47074			MBLK 8260_TCL4.2_X	25 Jun 2004 11:57
11	11	V1204140.D	1.	0406B33-003A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:22
12	12	V1204141.D	1.	0406C14-001A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:47
13	13	V1204142.D	1.	0406C14-007A	*5		SAMP 8260_TCL4.2_W	25 Jun 2004 13:12
14	14	V1204143.D	1.	0406C14-006A			SAMP 8260_TCL4.2_W	25 Jun 2004 13:37
15	15	V1204144.D	1.	0406B33-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:02
16	16	V1204145.D	1.	0406B33-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:26
17	17	V1204146.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:51
18	18	V1204147.D	1.	BLANK			BLANK	25 Jun 2004 15:16
19	19	V1204148.D	1.	0406B33-001A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 15:40
20	20	V1204149.D	1.	0406C14-006A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 16:05
21	21	V1204150.D	1.	0406B78-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:30
22	22	V1204151.D	1.	0406B78-003A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:55
23	23	V1204152.D	1.	0406B54-003A	*50	8.79g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:20
24	24	V1204153.D	1.	0406B54-007A	*50	7.29g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:45
25	25	V1204154.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 18:09
26	26	V1204155.D	1.	0406983-017A			SAMP 8260B_W	25 Jun 2004 18:34
27	27	V1204156.D	1.	BLANK			BLANK	25 Jun 2004 18:59
28	28	V1204157.D	1.	BLANK			BLANK	25 Jun 2004 19:24
29	29	V1204158.D	1.	BFB			TUNE BFB_4	25 Jun 2004 19:49
30	30	V1204159.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 20:14
31	31	V1204160.D	1.	MB-47125			MBLK 8260B_W	25 Jun 2004 20:39
32	32	V1204161.D	1.	LCS-47125			LCS 8260B_W	25 Jun 2004 21:04
33	33	V1204162.D	1.	0406B14-001A			SAMP 8260_A1_W	25 Jun 2004 21:29
34	34	V1204163.D	1.	0406B42-004A			SAMP 8260_A1_W	25 Jun 2004 21:53
35	35	V1204164.D	1.	0406B42-005A			SAMP 8260_A1_W	25 Jun 2004 22:18
36	36	V1204165.D	1.	0406B14-005A			SAMP 8260_A1_W	25 Jun 2004 22:43

Injection Log

Directory: C:\HPCHEM\1\DATA\062504

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
37	37	V1204166.D	1.	0406B42-003A	SAMP 8260_A1_W	25 Jun 2004 23:07
38	38	V1204167.D	1.	0406B42-002A	SAMP 8260_A1_W	25 Jun 2004 23:32
39	39	V1204168.D	1.	0406B42-001A	SAMP 8260_A1_W	25 Jun 2004 23:57
40	40	V1204169.D	1.	0406B14-002A	SAMP 8260_A1_W	26 Jun 2004 00:22
41	41	V1204170.D	1.	0406B14-002AMS	MS 8260_A1_W	26 Jun 2004 00:47
42	41	V1204171.D	1.	0406B14-002AMSD	MSD 8260_A1_W	26 Jun 2004 01:12
43	42	V1204172.D	1.	0406B14-010A	SAMP 8260_A1_W	26 Jun 2004 01:36
44	43	V1204173.D	1.	0406B14-011A	SAMP 8260_A1_W	26 Jun 2004 02:01
45	44	V1204174.D	1.	0406B14-003A	SAMP 8260_A1_W	26 Jun 2004 02:26
46	45	V1204175.D	1.	0406B14-004A	SAMP 8260_A1_W	26 Jun 2004 02:51
47	46	V1204176.D	1.	0406B14-006A	SAMP 8260_A1_W	26 Jun 2004 03:15
48	47	V1204177.D	1.	0406B14-007A	SAMP 8260_A1_W	26 Jun 2004 03:40
49	48	V1204178.D	1.	0406B14-008A	SAMP 8260_A1_W	26 Jun 2004 04:05
50	49	V1204179.D	1.	0406B14-009A	SAMP 8260_A1_W	26 Jun 2004 04:29
51	50	V1204180.D	1.	0406B14-012A	SAMP 8260_TCL4.2_W	26 Jun 2004 04:54
52	51	V1204181.D	1.	0406B21-005A	SAMP 8260_TCL4.2_W	26 Jun 2004 05:19
53	1	V1204182.D	1.	0406B38-022A	SAMP 8260B_W	26 Jun 2004 05:44
54	2	V1204183.D	1.	0406B21-002A	SAMP 8260B_W	26 Jun 2004 06:09

Data File : C:\HPCHEM\1\DATA\062504\V1204136.D Vial: 7
Acq On : 25 Jun 2004 10:39 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.363 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	7439	PASS
75	95	30	60	55.2	15652	PASS
95	95	100	100	100.0	28378	PASS
96	95	5	9	6.1	1736	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.7	21759	PASS
175	174	5	9	8.2	1791	PASS
176	174	95	101	96.2	20941	PASS
177	176	5	9	5.8	1213	PASS

V1204136.D VW052704.M Fri Jun 25 12:43:07 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.368	0.469	-27.4	92	0.01
3	pcc	Chloromethane	0.530	0.447	15.7	65	0.00
4	ccc	Vinyl chloride	0.404	0.373	7.7	68	0.00
5	T	Bromomethane	0.186	0.187	-0.5	101	0.04
6	T	Chloroethane	0.258	0.212	17.8	83	0.01
7	T	Trichlorofluoromethane	0.675	0.923	-36.7#	104	0.01
8	T	Acrolein	0.064	0.022	65.6#	26#	0.00
9	ccc	1,1-Dichloroethene	0.423	0.381	9.9	70	0.01
10		Freon-113	0.327	0.325	0.6	79	0.01
11	T	Acetone	0.072	0.063	12.5	0#	0.00
12	T	Iodomethane	0.681	0.568	16.6	66	0.01
13	T	Carbon disulfide	1.384	0.945	31.7#	54	0.01
14		Methyl Acetate	0.885	0.424	52.1#	40#	0.00
15	T	Vinyl acetate	0.443	0.212	52.1#	40#	0.00
16	T	Methylene chloride	0.616	0.403	34.6#	63	0.00
17	T	Acrylonitrile	0.248	0.156	37.1#	49#	0.00
18		Methyl tert-butyl ether	1.415	1.203	15.0	66	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.410	18.8	63	0.01
20	pcc	1,1-Dichloroethane	1.070	0.876	18.1	67	0.01
21	T	2,2-Dichloropropane	0.413	0.522	-26.4	100	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.486	9.2	71	0.00
23	T	2-Butanone	0.074	0.065	12.2	67	0.00
24	T	Bromochloromethane	0.249	0.230	7.6	74	0.00
25	ccc	Chloroform	0.877	0.817	6.8	78	0.00
26		Cyclohexane	0.848	0.709	16.4	69	0.01
27	T	1,1,1-Trichloroethane	0.614	0.763	-24.3	96	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
29	S	Dibromofluoromethane	0.299	0.312	-4.3	80	0.00
30	T	1,1-Dichloropropene	0.138	0.146	-5.8	77	0.01
31	T	Carbon tetrachloride	0.313	0.453	-44.7#	104	0.00
32	M	Benzene	1.300	1.258	3.2	68	0.00
33	T	1,2-Dichloroethane	0.440	0.509	-15.7	85	0.00
34	M	Trichloroethene	0.289	0.316	-9.3	81	0.00
35		Methylcyclohexane	0.268	0.301	-12.3	78	0.00
36	ccc	1,2-Dichloropropane	0.340	0.302	11.2	63	0.00
37	T	Dibromomethane	0.179	0.187	-4.5	73	0.00
38	T	Bromodichloromethane	0.322	0.367	-14.0	82	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.240	17.2	55	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.409	-2.0	68	0.00
41	T	4-Methyl-2-pentanone	0.339	0.290	14.5	56	0.00
42	S	Toluene-d8	0.953	1.010	-6.0	75	0.00
43	ccc	Toluene	0.687	0.734	-6.8	73	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.368	-9.9	72	0.00
45	T	1,1,2-Trichloroethane	0.191	0.187	2.1	69	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
47	T	2-Hexanone	0.340	0.322	5.3	65	0.00
48	T	Tetrachloroethene	0.318	0.362	-13.8	86	0.00
49	T	1,3-Dichloropropane	0.594	0.559	5.9	71	0.00
50	T	Dibromochloromethane	0.309	0.339	-9.7	79	0.00
51	T	1,2-Dibromoethane	0.307	0.314	-2.3	75	0.00
52	pcc	Chlorobenzene	1.018	1.020	-0.2	78	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.357	-21.4	87	-0.01
54	ccc	Ethylbenzene	1.566	1.662	-6.1	76	0.00
55	T	m,p-Xylene	1.191	1.306	-9.7	78	0.00

(#) = Out of Range
V1204137.D VW052704.M Fri Jun 25 12:43:43 2004 Page 1

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.317	-9.9	79	0.00
57	T	Styrene	1.009	1.012	-0.3	71	-0.01
58	pcc	Bromoform	0.211	0.242	-14.7	86	0.00
59	S	4-Bromofluorobenzene	0.431	0.503	-16.7	84	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
61	T	Bromobenzene	0.674	0.746	-10.7	82	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.689	13.4	65	0.00
63	T	1,2,3-Trichloropropane	1.241	0.798	35.7#	48#	-0.01
64	T	Isopropylbenzene	2.175	2.400	-10.3	81	0.00
65	T	n-Propylbenzene	2.837	2.943	-3.7	76	0.00
66	T	trans-1,4-Dichloro-2-butene	0.048	0.010	79.2#	14#	0.00
67	T	2-Chlorotoluene	1.847	1.899	-2.8	77	0.00
68	T	4-Chlorotoluene	2.170	2.262	-4.2	77	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.934	-4.3	79	0.00
70	T	tert-Butylbenzene	1.653	1.876	-13.5	83	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.077	-4.5	79	0.00
72	T	sec-Butylbenzene	1.987	2.098	-5.6	79	0.00
73	T	1,3-Dichlorobenzene	1.199	1.256	-4.8	78	0.00
74	T	4-Isopropyltoluene	1.803	1.968	-9.2	81	0.00
75	T	1,4-Dichlorobenzene	1.329	1.330	-0.1	80	0.00
76	T	1,2-Dichlorobenzene	1.214	1.256	-3.5	80	0.00
77	T	n-Butylbenzene	1.555	1.744	-12.2	83	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.152	-14.3	90	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.686	-15.1	86	0.00
80	T	Hexachlorobutadiene	0.229	0.298	-30.1#	102	0.00
81	T	Naphthalene	1.855	2.035	-9.7	76	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.646	-13.3	83	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	127671	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	178466	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	130442	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	75447	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	55757	52.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.54%				
42) Toluene-d8	8.60	98	180211	53.00	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 106.00%				
59) 4-Bromofluorobenzene	11.35	95	65561	58.35	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 116.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	59834	63.69	ug/L		98
3) Chloromethane	1.47	50	57051	42.16	ug/L		94
4) Vinyl chloride	1.57	62	47639	46.18	ug/L		96
5) Bromomethane	1.83	94	23813	58.44	ug/L		99
6) Chloroethane	1.90	64	27047	41.08	ug/L		98
7) Trichlorofluoromethane	2.10	101	117799	68.36	ug/L		98
8) Acrolein	2.43	56	5503	33.41	ug/L		95
9) 1,1-Dichloroethene	2.54	96	48663	45.02	ug/L	#	59
10) Freon-113	2.56	101	41538	49.71	µg/L	#	86
11) Acetone	2.57	58	16144	103.07	ug/L	#	1
12) Iodomethane	2.68	142	145032	83.42	ug/L	#	71
13) Carbon disulfide	2.75	76	241273	68.29	ug/L		100
14) Methyl Acetate	2.89	43	54193	23.98	µg/L	#	8
15) Vinyl acetate	2.89	43	54193	47.96	ug/L		92
16) Methylene chloride	3.00	84	51440	41.24	ug/L	#	68
17) Acrylonitrile	3.26	53	39771	62.78	ug/L		94
18) Methyl tert-butyl ether	3.32	73	153626	42.53	µg/L		96
19) trans-1,2-Dichloroethene	3.32	96	52318	40.57	ug/L		87
20) 1,1-Dichloroethane	3.84	63	111794	40.90	ug/L		98
21) 2,2-Dichloropropane	4.70	77	66621	63.15	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	61992	45.41	ug/L		90
23) 2-Butanone	4.74	72	16678	88.01	ug/L		54
24) Bromochloromethane	5.07	128	29417	46.33	ug/L	#	78
25) Chloroform	5.21	83	104295	46.55	ug/L		97
26) Cyclohexane	5.57	56	90513	41.81	µg/L		89
27) 1,1,1-Trichloroethane	5.47	97	97402	62.09	ug/L		97
30) 1,1-Dichloropropene	5.73	110	26048	53.03	ug/L		93
31) Carbon tetrachloride	5.72	119	80777	72.38	ug/L		99
32) Benzene	6.02	78	224596	48.41	ug/L		99
33) 1,2-Dichloroethane	6.05	62	90859	57.81	ug/L		97
34) Trichloroethene	6.95	130	56389	54.72	ug/L		93
35) Methylcyclohexane	7.21	55	53653	56.11	µg/L		94
36) 1,2-Dichloropropane	7.25	63	53822	44.41	ug/L	#	100
37) Dibromomethane	7.41	93	33415	52.18	ug/L		91
38) Bromodichloromethane	7.65	83	65585	57.00	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	85715	82.77	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	73006	51.04	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	103504	85.62	ug/L		91
43) Toluene	8.68	92	131075	53.47	ug/L		95
44) trans-1,3-Dichloropropene	9.00	75	65734	49.71	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	33448	49.09	ug/L		96
47) 2-Hexanone	9.54	43	83945	94.67	ug/L		88
48) Tetrachloroethene	9.39	166	47179	56.95	ug/L		91
49) 1,3-Dichloropropane	9.41	76	72865	47.04	ug/L		100

(#) = qualifier out of range (m) = manual integration
V1204137.D VW052704.M Fri Jun 25 12:43:30 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

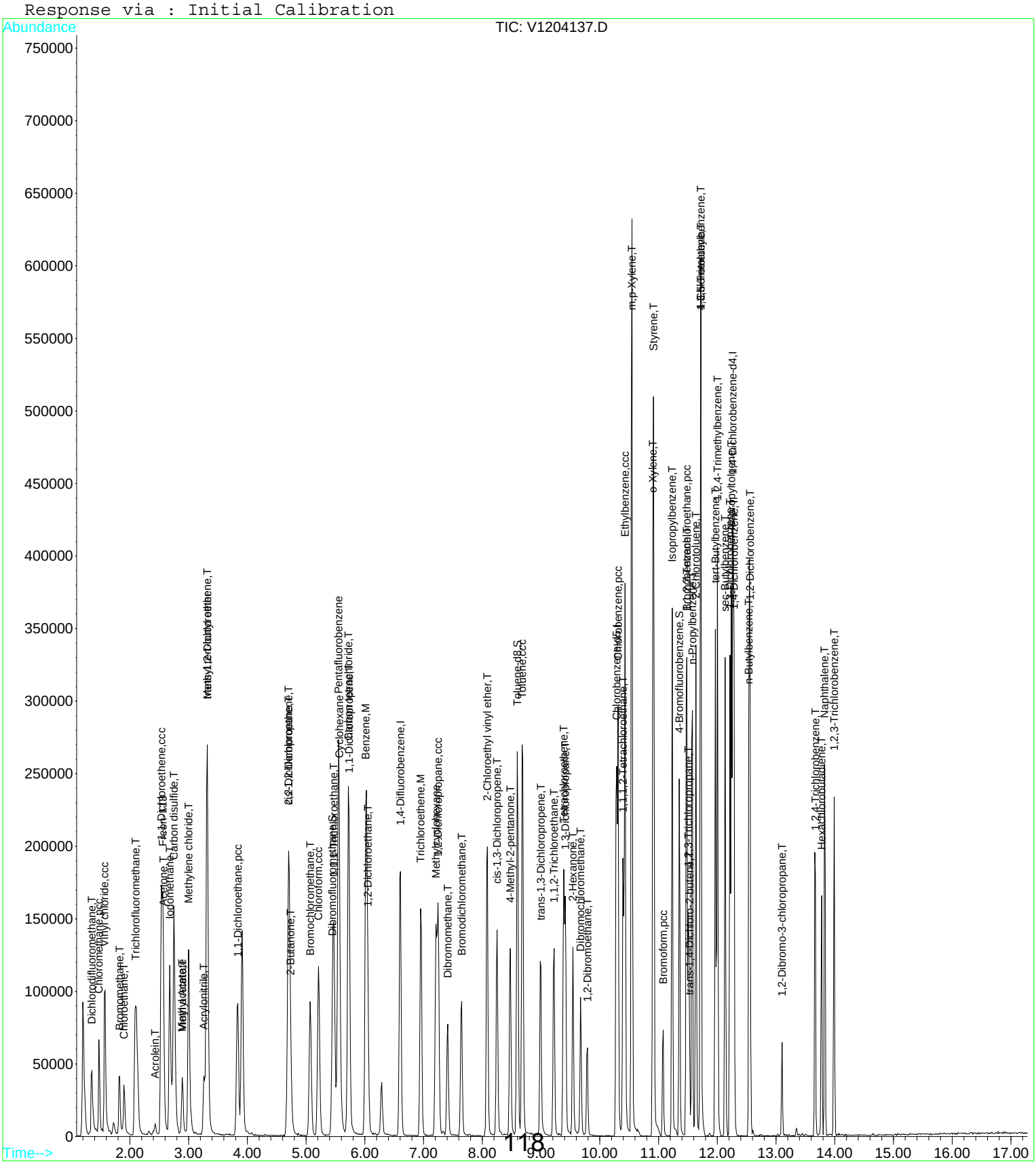
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	44185	54.74	ug/L		96
51)	1,2-Dibromoethane	9.79	107	40909	51.12	ug/L	#	99
52)	Chlorobenzene	10.31	112	133108	50.14	ug/L		99
53)	1,1,1,2-Tetrachloroethane	10.39	131	46512	60.74	ug/L		95
54)	Ethylbenzene	10.43	91	216785	53.06	ug/L		98
55)	m,p-Xylene	10.55	91	340812	109.71	ug/L		93
56)	o-Xylene	10.90	91	171835	54.99	ug/L		92
57)	Styrene	10.91	104	132033	50.17	ug/L		91
58)	Bromoform	11.08	173	31611	57.56	ug/L		95
61)	Bromobenzene	11.48	156	56248	55.28	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	51951	43.26	ug/L		97
63)	1,2,3-Trichloropropane	11.51	75	60182	32.13	ug/L	#	1
64)	Isopropylbenzene	11.23	105	181099	55.19	ug/L		99
65)	n-Propylbenzene	11.58	91	222069	51.88	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1514	26.35	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	143244	51.38	ug/L		95
68)	4-Chlorotoluene	11.72	91	170689	52.12	ug/L		96
69)	1,3,5-Trimethylbenzene	11.72	105	145924	52.16	ug/L		100
70)	tert-Butylbenzene	11.97	119	141521	51.99	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	156669	52.26	ug/L		90
72)	sec-Butylbenzene	12.13	105	158262	52.80	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	94735	52.36	ug/L		96
74)	4-Isopropyltoluene	12.24	119	148444	54.58	ug/L		96
75)	1,4-Dichlorobenzene	12.29	146	100334	50.04	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	94748	51.74	ug/L		97
77)	n-Butylbenzene	12.54	91	131615	51.53	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	11431	57.07	ug/L		80
79)	1,2,4-Trichlorobenzene	13.67	180	51743	57.53	ug/L		100
80)	Hexachlorobutadiene	13.78	225	22469	64.94	ug/L		99
81)	Naphthalene	13.83	128	153529	49.29	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	48733	56.62	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	109352	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	163102	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	115580	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	56433	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	52813	54.18	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.36%			
42) Toluene-d8	8.60	98	158829	51.11	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 102.22%			
59) 4-Bromofluorobenzene	11.35	95	52963	53.20	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 106.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D.	d	
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

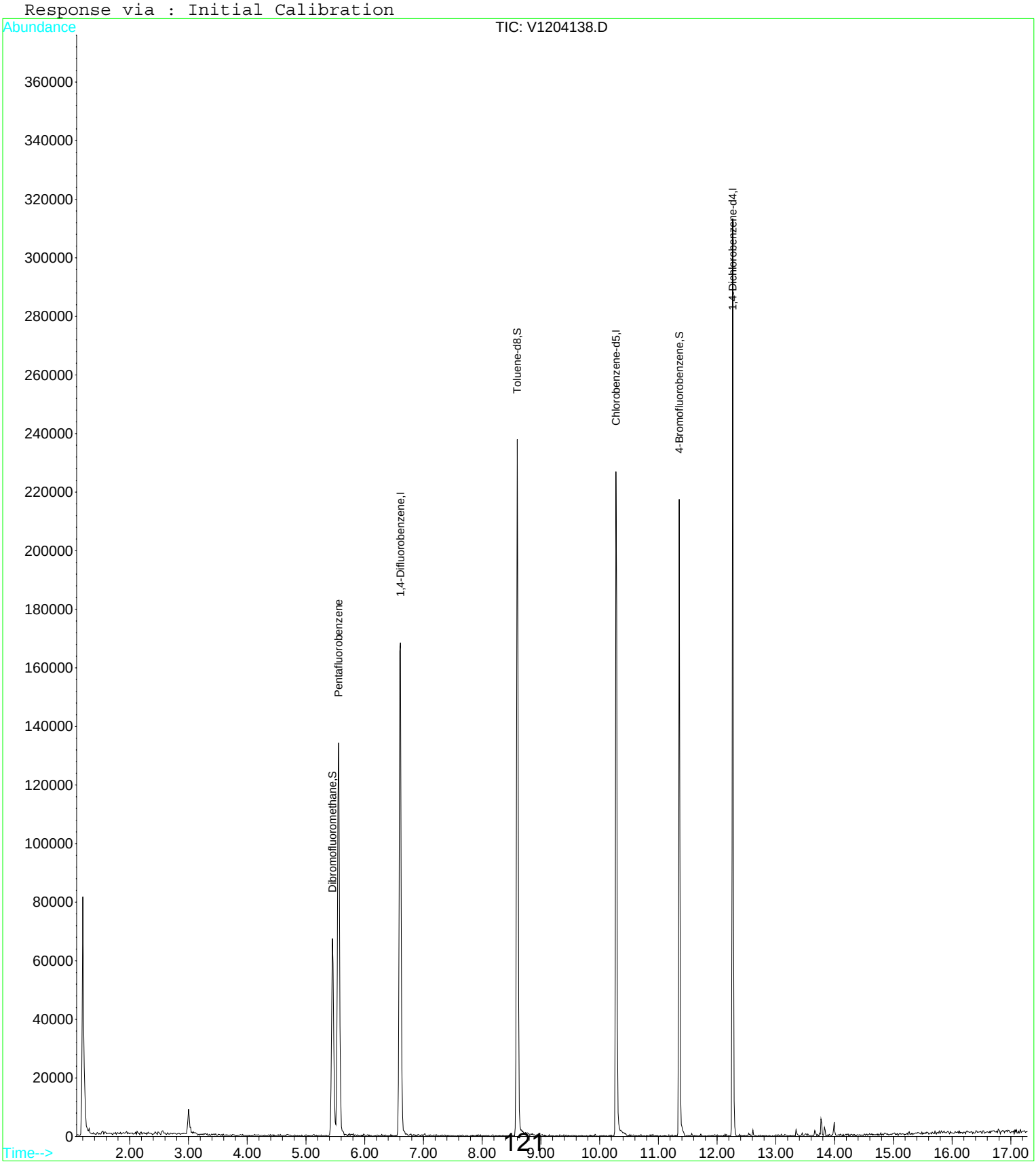
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.	d	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204138.D Vial: 9
Acq On : 25 Jun 2004 11:32 am Operator: TMP
Sample : MB-47082 Inst : GC/MS 12
Misc : MBLK 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:00 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204142.D Vial: 13
Acq On : 25 Jun 2004 1:12 pm Operator: TMP
Sample : 0406C14-007A *5 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:32 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	113011	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	166849	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	121341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	59225	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	52244	52.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.78%			
42) Toluene-d8	8.60	98	168146	52.90	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 105.80%			
59) 4-Bromofluorobenzene	11.36	95	55572	53.17	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 106.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	2.58	58	8945	59.98	ug/L #	1
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D. d		
15) Vinyl acetate	0.00	43	0	N.D. d		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	8.48	43	33601	29.73	ug/L	95
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204142.D Vial: 13
Acq On : 25 Jun 2004 1:12 pm Operator: TMP
Sample : 0406C14-007A *5 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:32 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

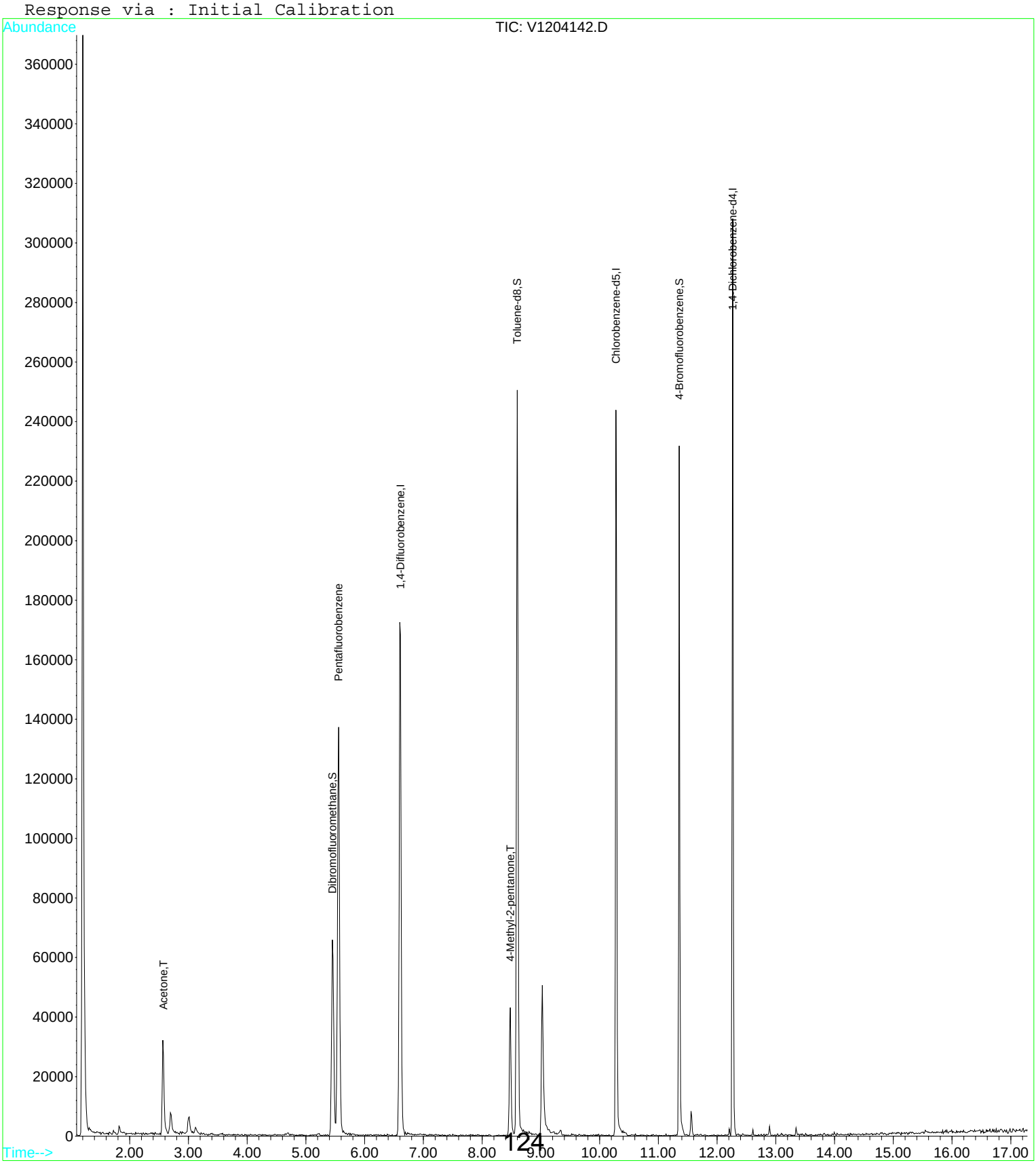
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204142.D Vial: 13
Acq On : 25 Jun 2004 1:12 pm Operator: TMP
Sample : 0406C14-007A *5 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:32 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204142.D Vial: 13
Acq On : 25 Jun 2004 1:12 pm Operator: TMP
Sample : 0406C14-007A *5 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

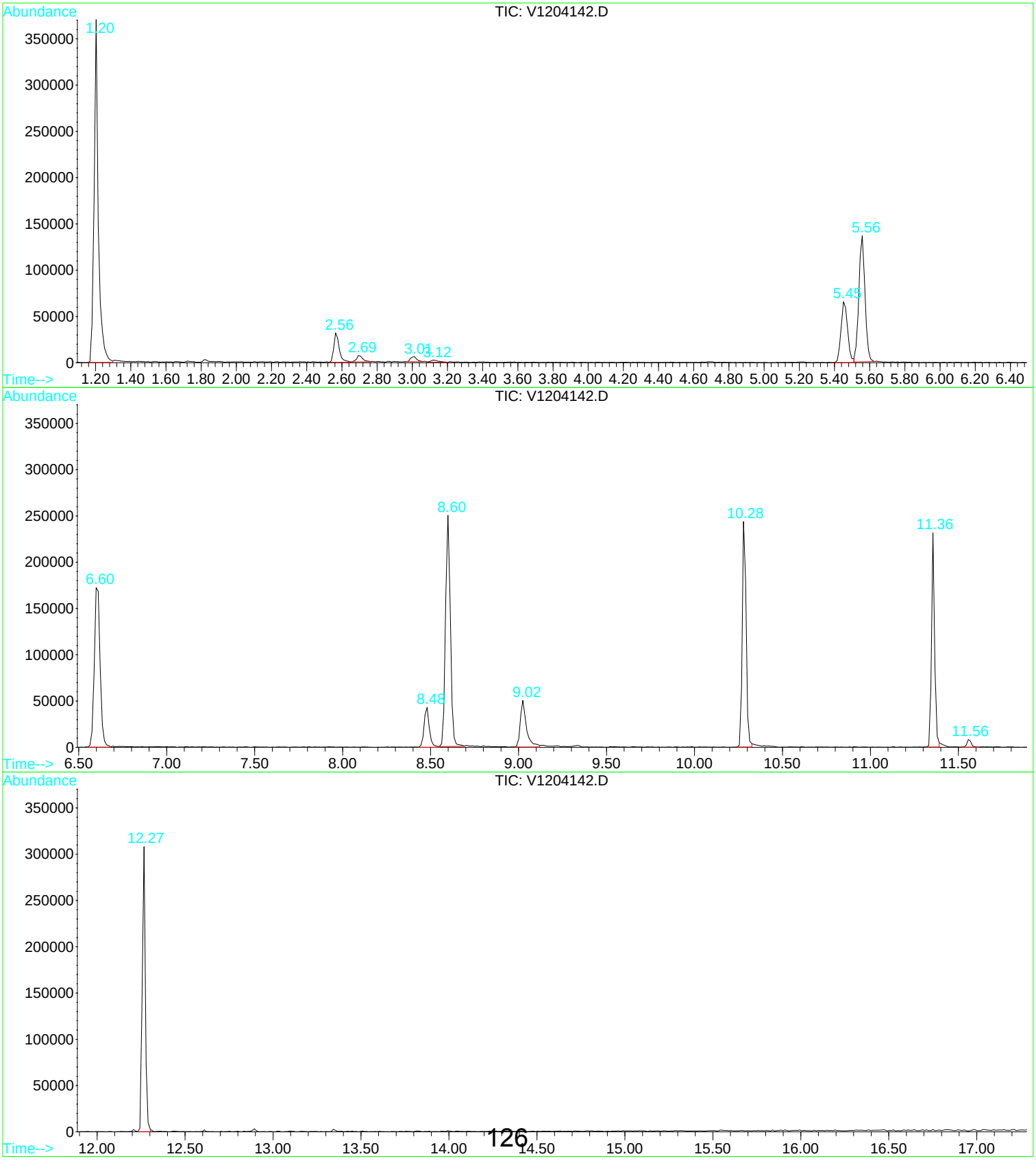
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.203	6	10	18	rBV	370350	614450	100.00%	18.329%
2	2.564	122	125	132	rBV	31701	67360	10.96%	2.009%
3	2.694	132	136	142	rVV2	6970	17575	2.86%	0.524%
4	3.013	159	163	167	rVV	5308	13459	2.19%	0.401%
5	3.120	169	172	179	rVB4	2393	7012	1.14%	0.209%
6	5.451	364	369	374	rBV	65682	171168	27.86%	5.106%
7	5.557	374	378	384	rVB	136227	329748	53.67%	9.836%
8	6.599	462	466	473	rBV	172346	394159	64.15%	11.758%
9	8.480	621	625	631	rBV	43081	88888	14.47%	2.651%
10	8.598	631	635	643	rVV	249654	480773	78.24%	14.341%
11	9.024	667	671	679	rBV	50338	121323	19.74%	3.619%
12	10.279	774	777	781	rBV	243597	377803	61.49%	11.270%
13	11.355	865	868	871	rBV	231518	281351	45.79%	8.393%
14	11.557	882	885	890	rVB	8216	13621	2.22%	0.406%
15	12.267	942	945	948	rBV	307946	373681	60.82%	11.147%

Sum of corrected areas: 3352371

V1204142.D VW052704.M Thu Jul 15 15:04:04 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204142.D
Operator : TMP
Acquired : 25 Jun 2004 1:12 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406C14-007A *5
Misc Info : SAMP 8260_TCL4.2_W
Vial Number: 13
Quant File :VW052704.RES (RTE Integrator)



V1204142.D VW052704.M Thu Jul 15 15:04:05 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204142.D Vial: 13
Acq On : 25 Jun 2004 1:12 pm Operator: TMP
Sample : 0406C14-007A *5 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	93.17 ug/L	614450	Pentafluorobenzene	5.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 2-Pentanol, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	16.06 ug/L	121323	Chlorobenzene-d5	10.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
5	2-Hexanol	102	C6H14O	000626-93-7	78

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 1:12 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204142.D
Name: 0406C14-007A *5
Misc: SAMP 8260 TCL4.2 W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	93.2	ug/L	614450	ISTD01	5.56	329748	50.0
2-Pentanol, 4-methyl	9.02	16.1	ug/L	121323	ISTD03	10.28	377803	50.0

V1204142.D VW052704.M Fri Jul 16 08:46:02 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	117267	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	166829	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	123534	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	62400	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	52807	52.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 105.92%			
42) Toluene-d8	8.60	98	168111	52.89	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 105.78%			
59) 4-Bromofluorobenzene	11.35	95	61167	57.48	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 114.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.	d	
4) Vinyl chloride	0.00	62	0	N.D.	d	
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.	d	
7) Trichlorofluoromethane	0.00	101	0	N.D.	d	
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.56	96	5524	5.56	ug/L #	67
10) Freon-113	0.00	101	0	N.D.	d	
11) Acetone	2.56	58	103000	787.96	ug/L #	1
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.	d	
14) Methyl Acetate	0.00	43	0	N.D.	d	
15) Vinyl acetate	0.00	43	0	N.D.	d	
16) Methylene chloride	0.00	84	0	N.D.	d	
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.	d	
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.	d	
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	5.21	83	5803	2.82	ug/L	91
26) Cyclohexane	0.00	56	0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D.	d	
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.	d	
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.	d	
41) 4-Methyl-2-pentanone	8.48	43	49153	43.50	ug/L	93
43) Toluene	8.69	92	294696	128.59	ug/L	96
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.	d	
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:35 2004 Quant Results File: VW052704.RES

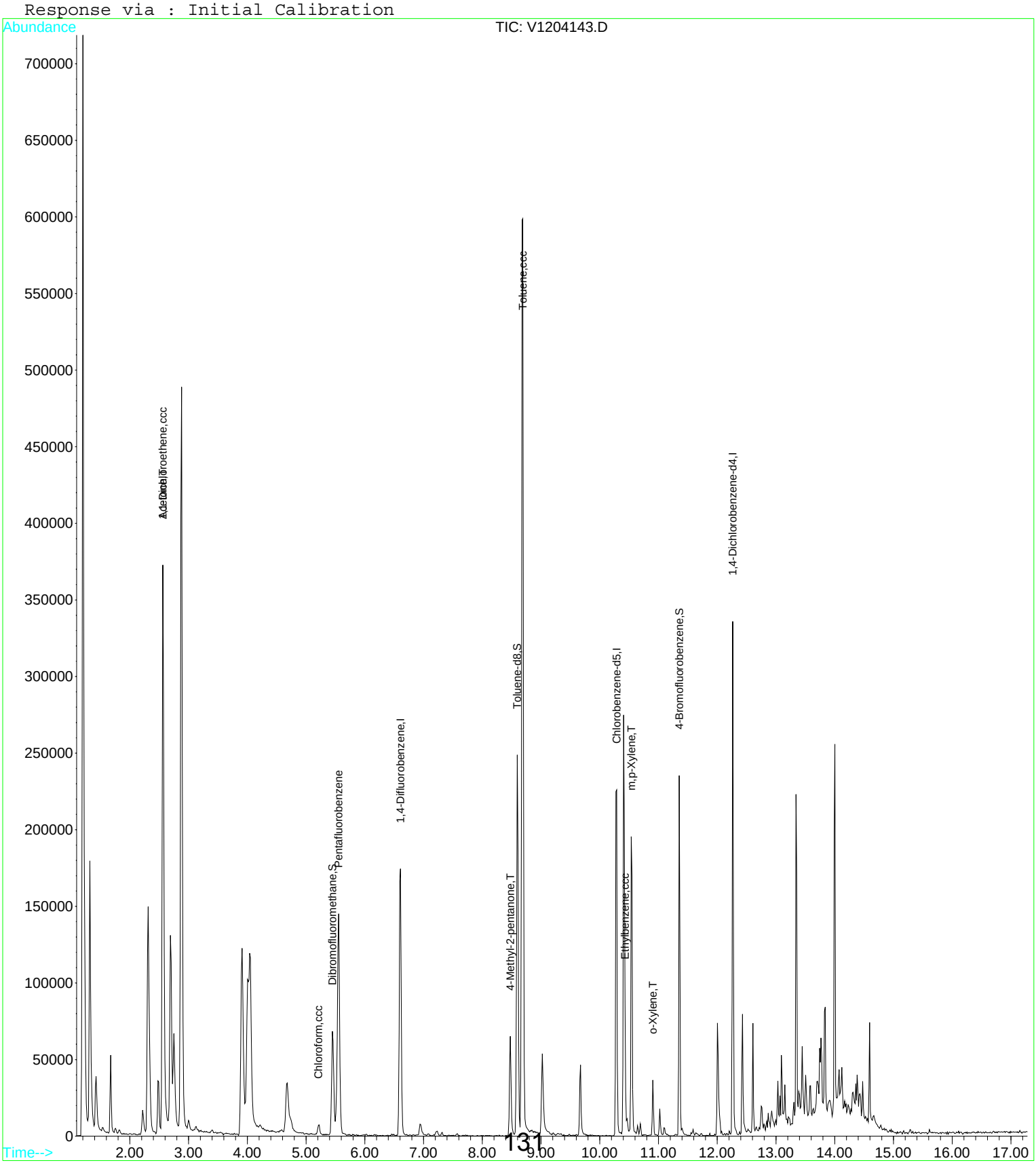
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50) Dibromochloromethane	0.00	129	0	N.D.	
51) 1,2-Dibromoethane	0.00	107	0	N.D.	
52) Chlorobenzene	10.69	112	927	N.D.	
53) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54) Ethylbenzene	10.43	91	28254	7.30 ug/L	95
55) m,p-Xylene	10.54	91	107518	36.55 ug/L	96
56) o-Xylene	10.90	91	16941	5.73 ug/L	90
57) Styrene	0.00	104	0	N.D. d	
58) Bromoform	0.00	173	0	N.D.	
61) Bromobenzene	0.00	156	0	N.D.	
62) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63) 1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64) Isopropylbenzene	0.00	105	0	N.D. d	
65) n-Propylbenzene	0.00	91	0	N.D.	
66) trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67) 2-Chlorotoluene	0.00	91	0	N.D.	
68) 4-Chlorotoluene	0.00	91	0	N.D.	
69) 1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
70) tert-Butylbenzene	0.00	119	0	N.D.	
71) 1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72) sec-Butylbenzene	0.00	105	0	N.D. d	
73) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
74) 4-Isopropyltoluene	0.00	119	0	N.D.	
75) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
76) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
77) n-Butylbenzene	0.00	91	0	N.D.	
78) 1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80) Hexachlorobutadiene	0.00	225	0	N.D.	
81) Naphthalene	0.00	128	0	N.D. d	
82) 1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:35 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.200	6	10	17	rBV	793192	1324757	100.00%	10.157%
2	1.318	17	20	26	rVV2	177689	328986	24.83%	2.522%
3	1.425	26	29	37	rVB	35665	81184	6.13%	0.622%
4	1.673	47	50	55	rBV	50826	72045	5.44%	0.552%
5	2.218	92	96	100	rBV	15819	35372	2.67%	0.271%
6	2.312	100	104	112	rVV	148514	365624	27.60%	2.803%
7	2.478	115	118	122	rBV	34566	72529	5.47%	0.556%
8	2.561	122	125	132	rVV	371053	772099	58.28%	5.920%
9	2.691	133	136	139	rVV	129071	299684	22.62%	2.298%
10	2.750	139	141	148	rVV	64803	154725	11.68%	1.186%
11	2.880	148	152	160	rVV	486574	997621	75.31%	7.649%
12	2.999	160	162	168	rVV2	7628	20589	1.55%	0.158%
13	3.910	234	239	243	rBV	122123	359242	27.12%	2.754%
14	4.005	243	247	248	rVV	99687	235773	17.80%	1.808%
15	4.040	248	250	263	rVB	114767	344810	26.03%	2.644%
16	4.679	299	304	321	rVB2	32601	138873	10.48%	1.065%
17	5.223	344	350	355	rVB	6539	18417	1.39%	0.141%
18	5.448	365	369	373	rBV	67267	172540	13.02%	1.323%
19	5.555	373	378	384	rVB	143485	378560	28.58%	2.902%
20	6.608	462	467	474	rBV	174131	396869	29.96%	3.043%
21	6.939	492	495	502	rBV2	7007	18585	1.40%	0.142%
22	8.477	621	625	631	rBV	65015	128605	9.71%	0.986%
23	8.596	631	635	639	rBV	247568	469610	35.45%	3.601%
24	8.690	639	643	647	rVV	593088	1226515	92.58%	9.404%
25	9.022	667	671	683	rVB	52486	122628	9.26%	0.940%
26	9.672	722	726	731	rBV	45947	81737	6.17%	0.627%
27	10.288	774	778	781	rBV	225791	390259	29.46%	2.992%
28	10.406	785	788	792	rVV2	273557	453117	34.20%	3.474%
29	10.536	796	799	804	rVB	192878	303893	22.94%	2.330%
30	10.903	827	830	833	rBV	35986	46986	3.55%	0.360%
31	11.021	837	840	844	rBV	17418	24393	1.84%	0.187%
32	11.353	865	868	871	rBV	234793	305452	23.06%	2.342%
33	12.004	920	923	928	rBV	73237	132458	10.00%	1.016%
34	12.264	942	945	948	rBV	334617	402422	30.38%	3.085%
35	12.429	956	959	965	rBV	78420	116011	8.76%	0.889%
36	12.607	971	974	977	rBV	71474	73973	5.58%	0.567%
37	12.749	982	986	989	rVV3	16681	35567	2.68%	0.273%
38	12.867	995	996	999	rVV2	11336	18035	1.36%	0.138%
39	12.926	999	1001	1005	rVV4	12663	30675	2.32%	0.235%
40	13.033	1008	1010	1012	rVV	31472	46418	3.50%	0.356%
41	13.068	1012	1013	1014	rVV	21855	21791	1.64%	0.167%
42	13.092	1014	1015	1018	rVV2	48060	70524	5.32%	0.541%
43	13.151	1018	1020	1024	rVV	28542	46638	3.52%	0.358%
44	13.210	1024	1025	1028	rVV3	7301	15254	1.15%	0.117%
45	13.305	1031	1033	1034	rVV	16464	24868	1.88%	0.191%

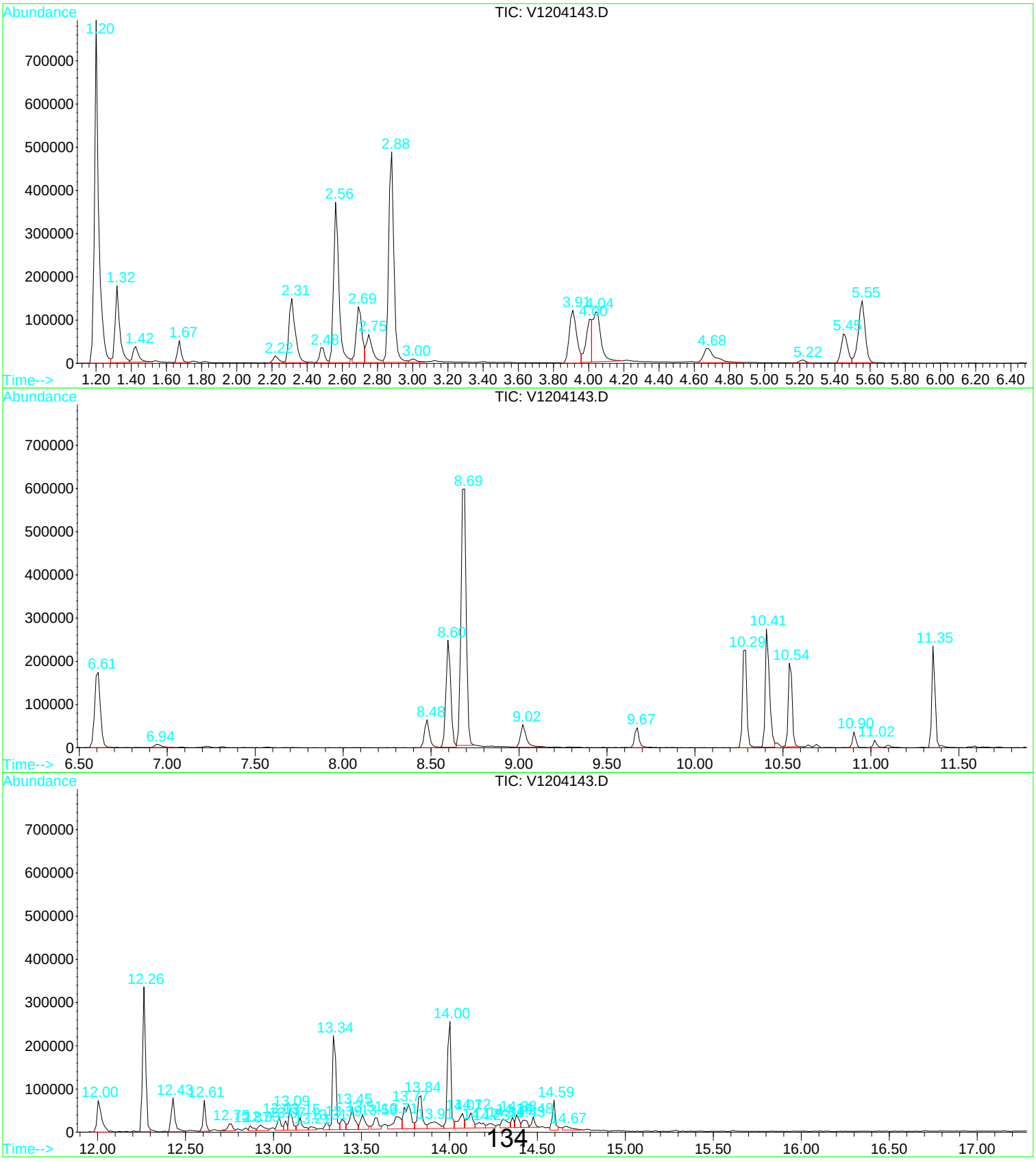
46	13.341	1034	1036	1039	rVV	217188	301508	22.76%	2.312%
47	13.388	1039	1040	1042	rVV2	22985	39658	2.99%	0.304%
48	13.447	1042	1045	1048	rVV	52165	98816	7.46%	0.758%
49	13.506	1048	1050	1053	rVV3	33054	63830	4.82%	0.489%
50	13.589	1054	1057	1059	rVV	25807	54019	4.08%	0.414%
51	13.707	1062	1067	1069	rVV3	28183	95042	7.17%	0.729%
52	13.767	1069	1072	1075	rVV2	56116	154436	11.66%	1.184%
53	13.838	1075	1078	1081	rVV	75864	145576	10.99%	1.116%
54	13.909	1081	1084	1089	rVV5	14557	61262	4.62%	0.470%
55	14.003	1089	1092	1094	rVV	246698	349212	26.36%	2.677%
56	14.074	1094	1098	1099	rVV3	33974	77774	5.87%	0.596%
57	14.122	1099	1102	1104	rVV2	35220	75162	5.67%	0.576%
58	14.169	1104	1106	1109	rVV4	12868	34278	2.59%	0.263%
59	14.228	1109	1111	1114	rVV4	10044	26450	2.00%	0.203%
60	14.311	1116	1118	1121	rVV4	17944	52191	3.94%	0.400%
61	14.358	1121	1122	1123	rVV	23351	25499	1.92%	0.196%
62	14.382	1123	1124	1126	rVV2	28891	40134	3.03%	0.308%
63	14.429	1126	1128	1130	rVV2	16370	35040	2.65%	0.269%
64	14.477	1130	1132	1135	rVB	24227	27798	2.10%	0.213%
65	14.595	1140	1142	1144	rVV	69325	81284	6.14%	0.623%
66	14.666	1146	1148	1156	rVB6	8291	27189	2.05%	0.208%

Sum of corrected areas: 13042871

V1204143.D VW052704.M Thu Jul 15 15:04:51 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204143.D
Operator : TMP
Acquired : 25 Jun 2004 1:37 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406C14-006A
Misc Info : SAMP 8260_TCL4.2_W
Vial Number: 14
Quant File :VW052704.RES (RTE Integrator)



V1204143.D VW052704.M Thu Jul 15 15:04:52 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	174.97 ug/L	1324760	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 Propene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	43.45 ug/L	328986	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	59
3	Cyclopropene	40	C3H4	1000194-05-8	9
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropane	42	C3H6	000075-19-4	9

****

Peak Number 3 Sulfur dioxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	10.72 ug/L	81184	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Sulfur dioxide	64	O2S	007446-09-5	9
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	4
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 4 1,1-Dichloro-1-fluoroethane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	48.29 ug/L	365624	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dichloro-1-fluoroethane	116	C2H3Cl2F	001717-00-6	72
2	1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	7
3	1,3,5-Triazine	81	C3H3N3	000290-87-9	3
4	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	2
5	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	2

****

Peak Number 5 Isopropyl Alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.69	39.58 ug/L	299684	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	40
3	2-Propanone, 1-methoxy-	88	C4H8O2	005878-19-3	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	4-Penten-2-ol	86	C5H10O	000625-31-0	9

****

Peak Number 6 1-Propanethiol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	20.44 ug/L	154725	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanethiol	76	C3H8S	000107-03-9	78
2	4,4'-Diisothiocyanatostilbene-2,2'-	454	C16H10N2O6S4	053005-05-3	64
3	Thiourea	76	CH4N2S	000062-56-6	9
4	Carbon disulfide	76	CS2	000075-15-0	9
5	Carbon disulfide	76	CS2	000075-15-0	9

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 7 1-Propene, 3-chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	131.76 ug/L	997621	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3-chloro-	76	C3H5Cl	000107-05-1	86
2	1,5-Hexadiyne	78	C6H6	000628-16-0	64
3	2-Butenal	70	C4H6O	004170-30-3	43
4	1-Propene, 1-chloro-, (Z)-	76	C3H5Cl	016136-84-8	15
5	1-Propene, 3-chloro-	76	C3H5Cl	000107-05-1	10

****

Peak Number 8 2-Propen-1-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	47.45 ug/L	359242	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-ol	58	C3H6O	000107-18-6	9
2	2-Propen-1-ol	58	C3H6O	000107-18-6	9
3	2-Propyn-1-ol, propionate	112	C6H8O2	001932-92-9	9
4	Methane, isocyanato-	57	C2H3NO	000624-83-9	4
5	Ethanedial	58	C2H2O2	000107-22-2	4

****

Peak Number 9 1-Propanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	31.14 ug/L	235773	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	59
2	1-Propanol	60	C3H8O	000071-23-8	59
3	1-Propene, 2-fluoro-	60	C3H5F	001184-60-7	52
4	1-Propene, 2-fluoro-	60	C3H5F	001184-60-7	52
5	1-Propanol	60	C3H8O	000071-23-8	45

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 10 Allyl mercaptan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.04	45.54 ug/L	344810	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl mercaptan	74	C3H6S	000870-23-5	62
2	Thiirane, methyl-	74	C3H6S	001072-43-1	58
3	Thiirane, methyl-	74	C3H6S	001072-43-1	49
4	Thiirane, methyl-	74	C3H6S	001072-43-1	47
5	Thiirane, methyl-	74	C3H6S	001072-43-1	25

****

Peak Number 11 Silanol, dimethyl(1,1,2-trimethylpropyl) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	18.34 ug/L	138873	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, dimethyl(1,1,2-trimethylpr	160	C8H20OSi	055644-10-5	78
2	Propanoic acid, 2-methyl-, tert-but	202	C10H22O2Si	1000221-67-3	78
3	Butanoic acid, 3-methyl-, tert-buty	216	C11H24O2Si	1000221-67-5	78
4	Silanol, trimethyl-, formate	118	C4H10O2Si	018243-21-5	64
5	Acetic acid, (trimethylsilyl)-	132	C5H12O2Si	002345-38-2	64

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Peak Number 12 2-Hexanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	15.71 ug/L	122628	Chlorobenzene-d5	10.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	78
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
5	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 13 Benzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	16.46 ug/L	132458	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde	106	C7H6O	000100-52-7	97
2	Benzaldehyde	106	C7H6O	000100-52-7	94
3	Benzaldehyde	106	C7H6O	000100-52-7	94
4	Benzaldehyde	106	C7H6O	000100-52-7	94
5	Benzaldehyde	106	C7H6O	000100-52-7	91

****

Peak Number 14 1-Hexanol, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	14.41 ug/L	116011	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	80
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	1-Butoxy-2-ethylhexane	186	C12H26O	1000139-90-4	64
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59

****

Peak Number 15 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	37.46 ug/L	301508	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	91
2	Dodecane	170	C12H26	000112-40-3	90
3	Dodecane	170	C12H26	000112-40-3	83
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
5	Tridecane	184	C13H28	000629-50-5	78

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 16 Dodecane, 6-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	12.28 ug/L	98816	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	94
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	90
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	81

****

Peak Number 17 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	11.81 ug/L	95042	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	62
2	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
3	Dotriacontane	451	C32H66	000544-85-4	58
4	Eicosane	282	C20H42	000112-95-8	50
5	Octacosane	394	C28H58	000630-02-4	50

****

Peak Number 18 Cyclohexane, (1-octylnonyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	19.19 ug/L	154436	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-octylnonyl)-	322	C23H46	055124-77-1	50
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	46
3	17-Pentatriacontene	491	C35H70	006971-40-0	43
4	Nitric acid, nonyl ester	189	C9H19NO3	020633-13-0	43
5	Cyclohexane, decyl-	224	C16H32	001795-16-0	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204143.D Vial: 14
Acq On : 25 Jun 2004 1:37 pm Operator: TMP
Sample : 0406C14-006A Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 19 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	18.09 ug/L	145576	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
2	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	53
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
4	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	53
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	53

****

Peak Number 20 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	43.39 ug/L	349212	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	93
3	Tridecane	184	C13H28	000629-50-5	91
4	Tridecane	184	C13H28	000629-50-5	91
5	Tridecane	184	C13H28	000629-50-5	90

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 1:37 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204143.D
Name: 0406C14-006A
Misc: SAMP 8260_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	175.0	ug/L	1324760	ISTD01	5.55	378560	50.0
Propene	1.32	43.5	ug/L	328986	ISTD01	5.55	378560	50.0
Sulfur dioxide	1.42	10.7	ug/L	81184	ISTD01	5.55	378560	50.0
1,1-Dichloro-1-fluoroethane	2.31	48.3	ug/L	365624	ISTD01	5.55	378560	50.0
Isopropyl Alcohol	2.69	39.6	ug/L	299684	ISTD01	5.55	378560	50.0
1-Propanethiol	2.75	20.4	ug/L	154725	ISTD01	5.55	378560	50.0
1-Propene, 3-chloro-	2.88	131.8	ug/L	997621	ISTD01	5.55	378560	50.0
2-Propen-1-ol	3.91	47.4	ug/L	359242	ISTD01	5.55	378560	50.0
1-Propanol	4.00	31.1	ug/L	235773	ISTD01	5.55	378560	50.0
Allyl mercaptan	4.04	45.5	ug/L	344810	ISTD01	5.55	378560	50.0
Silanol, dimethyl(1,1,2-trimethylpropyl)	4.68	18.3	ug/L	138873	ISTD01	5.55	378560	50.0
2-Hexanol	9.02	15.7	ug/L	122628	ISTD03	10.29	390259	50.0
Benzaldehyde	12.00	16.5	ug/L	132458	ISTD04	12.26	402422	50.0
1-Hexanol, 2-ethyl-	12.43	14.4	ug/L	116011	ISTD04	12.26	402422	50.0
Dodecane	13.34	37.5	ug/L	301508	ISTD04	12.26	402422	50.0
Dodecane, 6-methyl-	13.45	12.3	ug/L	98816	ISTD04	12.26	402422	50.0
Tridecane	13.71	11.8	ug/L	95042	ISTD04	12.26	402422	50.0
Cyclohexane, (1-octylnonyl)-	13.77	19.2	ug/L	154436	ISTD04	12.26	402422	50.0
Undecane, 2,6-dimethyl	13.84	18.1	ug/L	145576	ISTD04	12.26	402422	50.0
Tridecane	14.00	43.4	ug/L	349212	ISTD04	12.26	402422	50.0

V1204143.D VW052704.M Fri Jul 16 08:46:29 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204149.D Vial: 20
Acq On : 25 Jun 2004 4:05 pm Operator: TMP
Sample : 0406C14-006A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:24 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	110063	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	156480	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	118369	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	61438	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	48351	51.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 103.40%			
42) Toluene-d8	8.60	98	159611	53.54	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 107.08%			
59) 4-Bromofluorobenzene	11.35	95	58336	57.21	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 114.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	2.56	58	11002	78.94	ug/L #	17
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D. d		
14) Methyl Acetate	0.00	43	0	N.D. d		
15) Vinyl acetate	0.00	43	0	N.D. d		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.68	92	29990	13.95	ug/L	96
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204149.D Vial: 20
Acq On : 25 Jun 2004 4:05 pm Operator: TMP
Sample : 0406C14-006A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:24 2004 Quant Results File: VW052704.RES

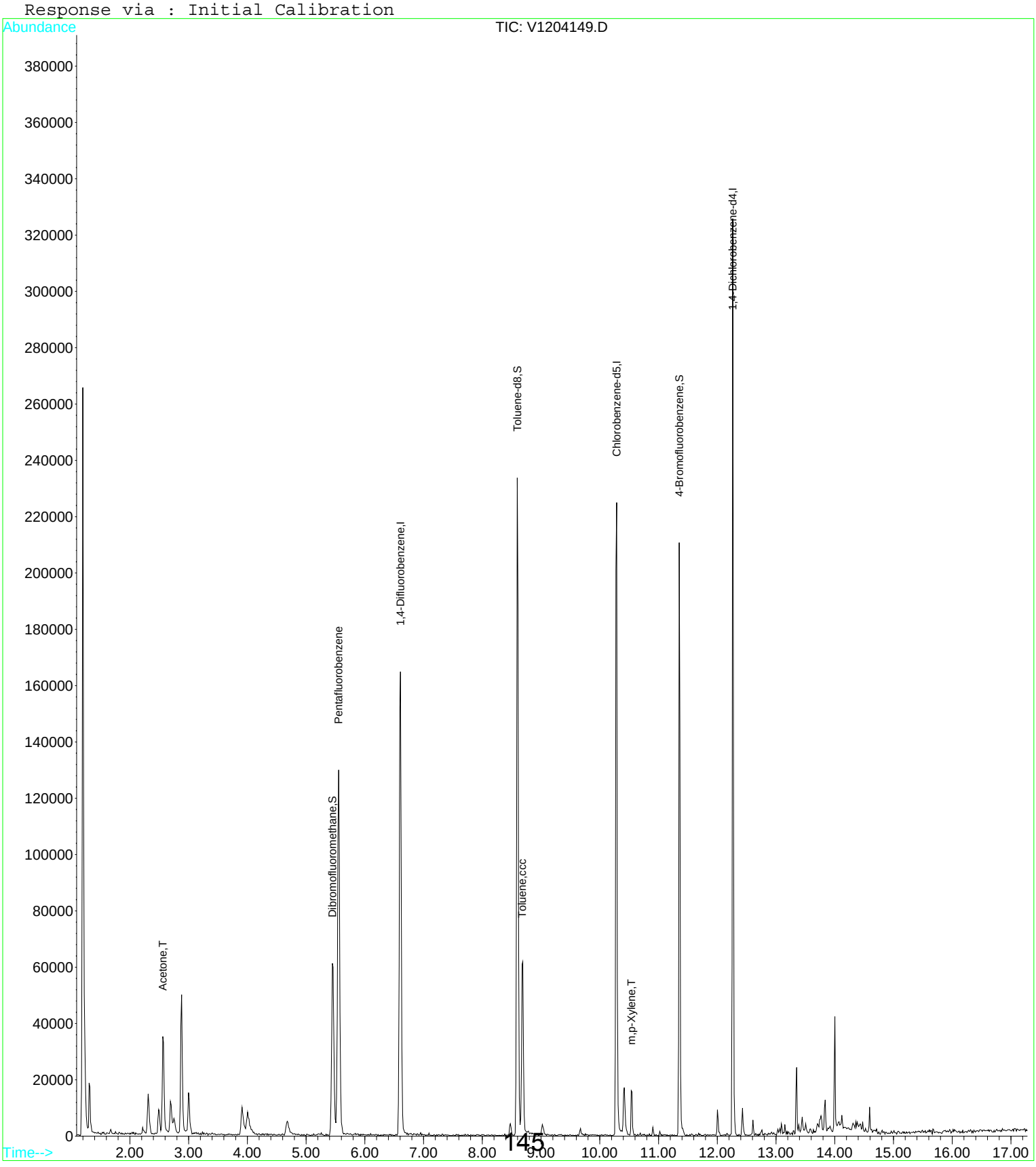
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D. d	
55)	m,p-Xylene	10.54	91	8828	3.13 ug/L	96
56)	o-Xylene	10.90	91	1316	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D. d	
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204149.D Vial: 20
Acq On : 25 Jun 2004 4:05 pm Operator: TMP
Sample : 0406C14-006A *10 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 16:24 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 12:15:35**
Prep End Date: **6/25/2004 12:14:00**

Prep Batch **47074** Prep Code: **5035** Technician: **Toi Patin**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B33-003AMS	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B33-003AMSD	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406B54-003A	Soil		8.79	0	0	5	0.569	6/24/2004	6/25/2004
0406B54-007A	Soil		7.29	0	0	5	0.686	6/24/2004	6/25/2004
0406C14-001A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406C14-002A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
0406C14-003A	Waste		1	0	0	10	10.000	6/24/2004	6/25/2004
LCS-47074			5	0	0	5	1.000	6/24/2004	6/25/2004
MB-47074			5	0	0	5	1.000	6/24/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52662**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/28/2004**	SeqNo: **1011226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52662**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/28/2004**	SeqNo: **1011226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	250									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2312	0	2500	0	92.5	65.3	133	0	0		
Surr: Dibromofluoromethane	2708	0	2500	0	108	80.1	121	0	0		
Surr: Toluene-d8	2972	0	2500	0	119	67.8	145	0	0		

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	1000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	250									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2596	0	2500	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	2697	0	2500	0	108	80.1	121	0	0		
Surr: Toluene-d8	2589	0	2500	0	104	67.8	145	0	0		

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	10									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1008909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	52.21	0	50	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	52.73	0	50	0	105	80.1	121	0	0		
Surr: Toluene-d8	48.16	0	50	0	96.3	67.8	145	0	0		

Sample ID: **LCS-47074**	SampType: **LCS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	2128	250	2500	0	85.1	58.8	139	0	0		
Benzene	2316	250	2500	0	92.6	77.6	128	0	0		
Chlorobenzene	2519	250	2500	0	101	80.4	131	0	0		
Toluene	2685	250	2500	0	107	79.4	132	0	0		
Trichloroethene	2716	250	2500	0	109	81.8	147	0	0		
Surr: 4-Bromofluorobenzene	2680	0	2500	0	107	65.3	133	0	0		
Surr: Dibromofluoromethane	2751	0	2500	0	110	80.1	121	0	0		
Surr: Toluene-d8	2610	0	2500	0	104	67.8	145	0	0		

Sample ID: **0406B33-003AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	227700	25000	250000	0	91.1	46.3	140	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **0406B33-003AMS**	SampType: **MS**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008583**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	234000	25000	250000	0	93.6	58.7	138	0	0		
Chlorobenzene	252100	25000	250000	0	101	55.3	141	0	0		
Toluene	262400	25000	250000	0	105	52.1	144	0	0		
Trichloroethene	262500	25000	250000	0	105	65.4	148	0	0		
Surr: 4-Bromofluorobenzene	273000	0	250000	0	109	65.3	133	0	0		
Surr: Dibromofluoromethane	269800	0	250000	0	108	80.1	121	0	0		
Surr: Toluene-d8	257700	0	250000	0	103	67.8	145	0	0		

Sample ID: **0406B33-003AMSD**	SampType: **MSD**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52530**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/24/2004**	SeqNo: **1008584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	210400	25000	250000	0	84.2	46.3	140	227700	7.90	22.9	
Benzene	235400	25000	250000	0	94.2	58.7	138	234000	0.639	16.8	
Chlorobenzene	247800	25000	250000	0	99.1	55.3	141	252100	1.72	23.5	
Toluene	264900	25000	250000	0	106	52.1	144	262400	0.967	18.6	
Trichloroethene	257400	25000	250000	0	103	65.4	148	262500	1.94	21.4	
Surr: 4-Bromofluorobenzene	271200	0	250000	0	108	65.3	133	273000	0	0	
Surr: Dibromofluoromethane	275100	0	250000	0	110	80.1	121	269800	0	0	
Surr: Toluene-d8	254000	0	250000	0	102	67.8	145	257700	0	0	

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	250									
1,1,2,2-Tetrachloroethane	BRL	250									
1,1,2-Trichloroethane	BRL	250									
1,1-Dichloroethane	BRL	250									
1,1-Dichloroethene	BRL	250									
1,2,4-Trichlorobenzene	BRL	250									

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane	BRL	250									
1,2-Dibromoethane	BRL	250									
1,2-Dichlorobenzene	BRL	250									
1,2-Dichloroethane	BRL	250									
1,2-Dichloroethene, Total	BRL	250									
1,2-Dichloropropane	BRL	250									
1,3-Dichlorobenzene	BRL	250									
1,4-Dichlorobenzene	BRL	250									
2-Butanone	BRL	500									
2-Hexanone	BRL	500									
4-Methyl-2-pentanone	BRL	500									
Acetone	BRL	5000									
Benzene	BRL	250									
Bromodichloromethane	BRL	250									
Bromoform	BRL	250									
Bromomethane	BRL	250									
Carbon disulfide	BRL	500									
Carbon tetrachloride	BRL	250									
Chlorobenzene	BRL	250									
Chloroethane	BRL	500									
Chloroform	BRL	250									
Chloromethane	BRL	500									
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Hexachlorobutadiene	BRL	250									
Isopropylbenzene	BRL	250									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47074

Sample ID: **MB-47074**	SampType: **MBLK**	TestCode: **8260B_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52578**
Client ID:	Batch ID: **47074**	TestNo: **SW8260B**		Analysis Date: **6/25/2004**	SeqNo: **1010487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	BRL	500									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
Naphthalene	BRL	250									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Xylenes, Total	BRL	250									
Surr: 4-Bromofluorobenzene	2610	250	2500	0	104	65.3	133	0	0		
Surr: Dibromofluoromethane	2636	250	2500	0	105	80.1	121	0	0		
Surr: Toluene-d8	2408	250	2500	0	96.3	67.8	145	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

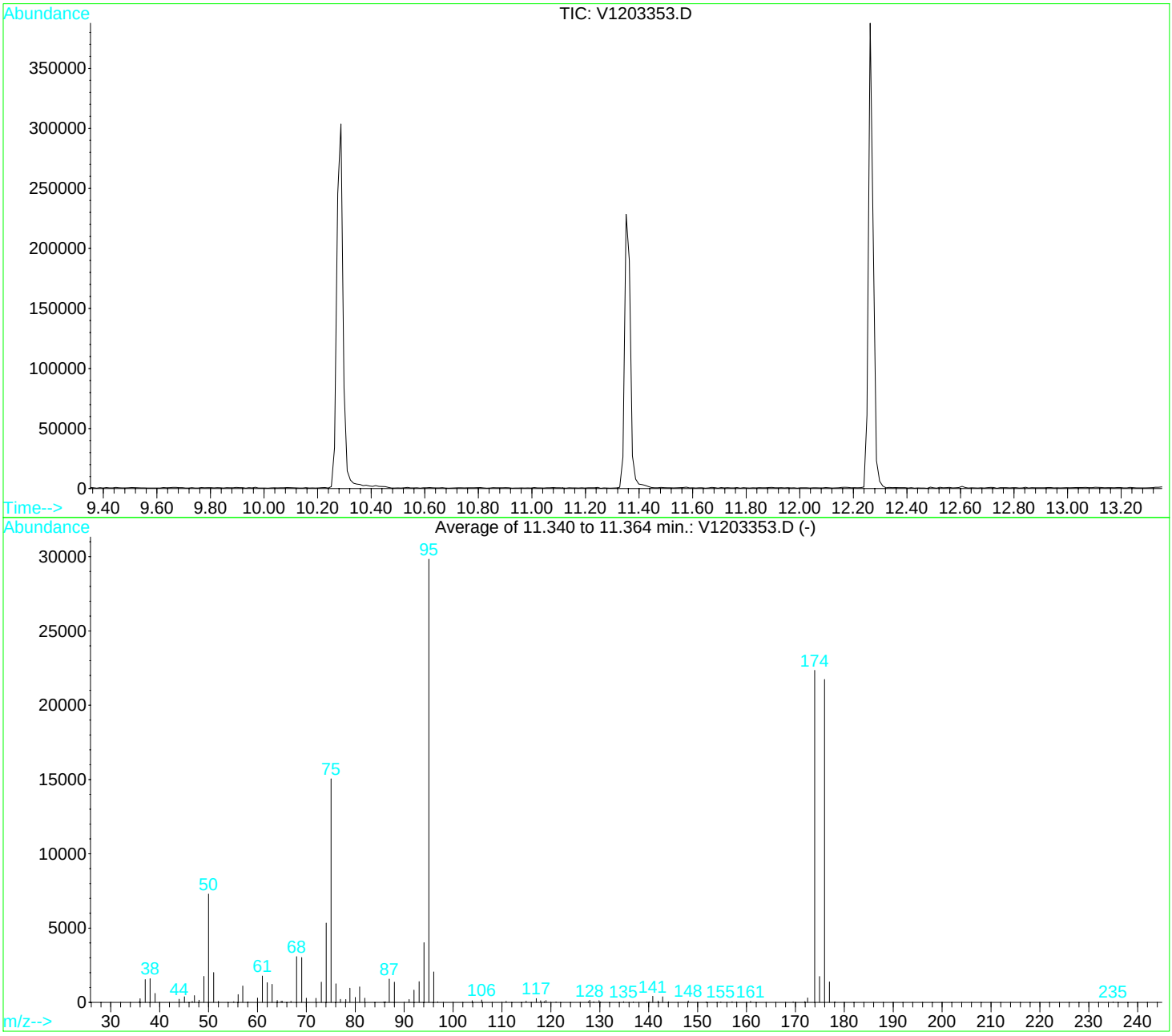
Injection Log

Directory: C:\HPCHEM\1\DATA\052704

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1203351.D	1.	BLANK	BLANK	27 May 2004 08:31
2	2	V1203352.D	1.	BLANK	BLANK	27 May 2004 08:56
3	3	V1203353.D	1.	BFB	TUNE BFB_4	27 May 2004 09:21
4	4	V1203354.D	1.	8260 ICAL 002 W	ICAL 8260B_W_CLP	27 May 2004 09:52
5	5	V1203355.D	1.	8260 ICAL 005 W	ICAL 8260B_W_CLP	27 May 2004 10:43
6	6	V1203356.D	1.	8260 ICAL 010 W	ICAL 8260B_W_CLP	27 May 2004 11:08
7	7	V1203357.D	1.	8260 ICAL 020 W	ICAL 8260B_W_CLP	27 May 2004 11:33
8	8	V1203358.D	1.	8260 ICAL 030 W	ICAL 8260B_W_CLP	27 May 2004 12:30
9	9	V1203359.D	1.	8260 ICAL 050 W	ICAL 8260B_W_CLP	27 May 2004 12:55
10	10	V1203360.D	1.	8260 ICAL 100 W	ICAL 8260B_W_CLP	27 May 2004 13:20
11	11	V1203361.D	1.	8260 ICAL 150 W	ICAL 8260B_W_CLP	27 May 2004 13:45
12	12	V1203362.D	1.	8260 ICAL 200 W	ICAL 8260B_W_CLP	27 May 2004 14:10
13	13	V1203363.D	1.	MB----------	MBLK 8260B_W_CLP	27 May 2004 14:35
14	14	V1203364.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 15:00
15	15	V1203365.D	1.	BFB	TUNE BFB_4	27 May 2004 16:05
16	16	V1203366.D	1.	8260 ICV 050 W	ICV 8260B_W_CLP	27 May 2004 16:30
17	17	V1203367.D	1.	MB----------	MBLK 8260B_W	27 May 2004 16:56
18	18	V1203368.D	1.	APPIX IX STD 4	CCV 8260B_W	27 May 2004 17:21
19	19	V1203369.D	1.	MB-45785	MBLK 8260B_W	27 May 2004 17:46
20	20	V1203370.D	1.	0405649-008A	SAMP 8260_A2_W	27 May 2004 18:11

BFB

Data File : C:\HPCHEM\1\DATA\052704\V1203353.D Vial: 3
Acq On : 27 May 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.364 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.4	7291	PASS
75	95	30	60	50.4	15046	PASS
95	95	100	100	100.0	29830	PASS
96	95	5	9	6.9	2057	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	74.9	22347	PASS
175	174	5	9	7.8	1747	PASS
176	174	95	101	97.3	21737	PASS
177	176	5	9	6.3	1378	PASS

V1203353.D VW052704.M Fri May 28 11:05:19 2004

Response Factor Report GC/MS 12

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
1)		Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluoromet	0.405	0.368	0.343	0.381	0.372	0.382	0.368	8.54
3)	pcc	Chloromethane	0.593	0.618	0.520	0.517	0.512	0.475	0.530	10.51
4)	ccc	Vinyl chloride	0.465	0.431	0.400	0.410	0.376	0.358	0.404	10.43
5)	T	Bromomethane	0.237	0.246	0.176	0.139	0.165	0.149	0.186	22.26
6)	T	Chloroethane	0.270	0.293	0.233	0.191			0.258	14.96
7)	T	Trichlorofluorometh	0.699	0.677	0.616	0.667	0.715	0.697	0.675	6.03
8)	T	Acrolein	0.069	0.065	0.067	0.062	0.059		0.064	6.32
9)	ccc	1,1-Dichloroethene	0.519	0.402	0.442	0.409	0.415	0.338	0.423	13.34
10)		Freon-113	0.396	0.333	0.336	0.308	0.305	0.266	0.327	12.49
11)	T	Acetone	0.088	0.097	0.080		0.056	0.056	0.072	23.13
12)	T	Iodomethane	0.745	0.700	0.680	0.645	0.658	0.601	0.681	7.53
13)	T	Carbon disulfide	1.632	1.447	1.422	1.316	1.314	1.078	1.384	12.92
14)		Methyl Acetate	1.055	0.944	0.954	0.804	0.782		0.885	13.58
15)	T	Vinyl acetate	0.528	0.472	0.477	0.402	0.391		0.443	13.58
16)	T	Methylene chloride	0.810	0.611	0.561	0.481	0.457	0.416	0.616	38.07
17)	T	Acrylonitrile	0.281	0.275	0.262	0.238	0.233	0.200	0.248	11.34
18)		Methyl tert-butyl e	1.483	1.394	1.442	1.363	1.435	1.379	1.415	2.81
19)	T	trans-1,2-Dichloroe	0.592	0.505	0.500	0.486	0.477	0.427	0.505	10.39
20)	pcc	1,1-Dichloroethane	1.178	1.095	1.062	0.986	1.034	1.023	1.070	5.81
21)	T	2,2-Dichloropropane	0.443	0.415	0.430	0.391	0.405	0.412	0.413	6.98
22)	T	cis-1,2-Dichloroeth	0.529	0.507	0.529	0.511	0.544	0.556	0.535	3.21
23)	T	2-Butanone	0.065	0.088	0.081	0.073	0.070	0.080	0.074	10.41
24)	T	Bromochloromethane	0.258	0.242	0.266	0.234	0.233	0.243	0.249	5.38
25)	ccc	Chloroform	1.122	0.958	0.846	0.789	0.808	0.822	0.877	12.71
26)		Cyclohexane	1.033	0.858	0.835	0.769	0.821	0.812	0.848	9.40
27)	T	1,1,1-Trichloroetha	0.641	0.595	0.612	0.595	0.609	0.638	0.614	4.37
28)	I	1,4-Difluorobenzene	----------ISTD----------							
29)	S	Dibromofluoromethan	0.313	0.299	0.280	0.279	0.301	0.298	0.299	6.17
30)	T	1,1-Dichloropropene	0.137	0.117	0.138	0.136	0.140	0.144	0.138	6.16
31)	T	Carbon tetrachlorid	0.291	0.275	0.306	0.312	0.334	0.365	0.313	9.55
32)	M	Benzene	1.273	1.284	1.361	1.316	1.339	1.339	1.300	6.28
33)	T	1,2-Dichloroethane	0.432	0.437	0.455	0.431	0.440	0.453	0.440	1.93
34)	M	Trichloroethene	0.231	0.267	0.292	0.280	0.291	0.321	0.289	10.04
35)		Methylcyclohexane	0.213	0.211	0.276	0.276	0.296	0.300	0.268	13.49
36)	ccc	1,2-Dichloropropane	0.356	0.346	0.362	0.343	0.346	0.340	0.340	6.61
37)	T	Dibromomethane	0.173	0.174	0.186	0.184	0.182	0.185	0.179	5.20
38)	T	Bromodichloromethan	0.302	0.286	0.340	0.321	0.328	0.350	0.322	6.52
39)	T	2-Chloroethyl vinyl	0.199	0.259	0.309	0.313	0.325	0.317	0.290	14.87
40)	T	cis-1,3-Dichloropro	0.334	0.379	0.398	0.430	0.441	0.456	0.401	12.33
41)	T	4-Methyl-2-pentanon	0.276	0.326	0.390	0.371	0.374	0.362	0.339	14.46
42)	S	Toluene-d8	0.831	0.995	0.977	0.968	1.011	0.992	0.953	6.12
43)	ccc	Toluene	0.611	0.678	0.737	0.724	0.731	0.723	0.687	8.89
44)	T	trans-1,3-Dichlorop	0.228	0.280	0.329	0.369	0.381	0.402	0.335	18.53
45)	T	1,1,2-Trichloroetha	0.186	0.200	0.198	0.196	0.198	0.201	0.191	6.28
46)	I	Chlorobenzene-d5	----------ISTD----------							
47)	T	2-Hexanone	0.245	0.310	0.351	0.368	0.362	0.373	0.340	12.85
48)	T	Tetrachloroethene	0.324	0.300	0.309	0.312	0.325	0.322	0.318	3.60
49)	T	1,3-Dichloropropane	0.560	0.570	0.642	0.587	0.629	0.615	0.594	7.70
50)	T	Dibromochloromethan	0.297	0.290	0.299	0.317	0.328	0.337	0.309	6.74
51)	T	1,2-Dibromoethane	0.296	0.300	0.324	0.311	0.322	0.331	0.307	8.56
52)	pcc	Chlorobenzene	0.982	1.012	1.023	0.973	1.032	1.011	1.018	4.05#
53)	T	1,1,1,2-Tetrachloro	0.265	0.266	0.282	0.306	0.325	0.347	0.294	13.75
54)	ccc	Ethylbenzene	1.358	1.480	1.597	1.620	1.715	1.730	1.566	11.55
55)	T	m,p-Xylene	1.060	1.098	1.282	1.240	1.321	1.280	1.191	12.80
56)	T	o-Xylene	0.950	1.052	1.187	1.232	1.310	1.313	1.198	11.12
57)	T	Styrene	0.832	0.919	1.039	1.052	1.078	1.049	1.009	8.60

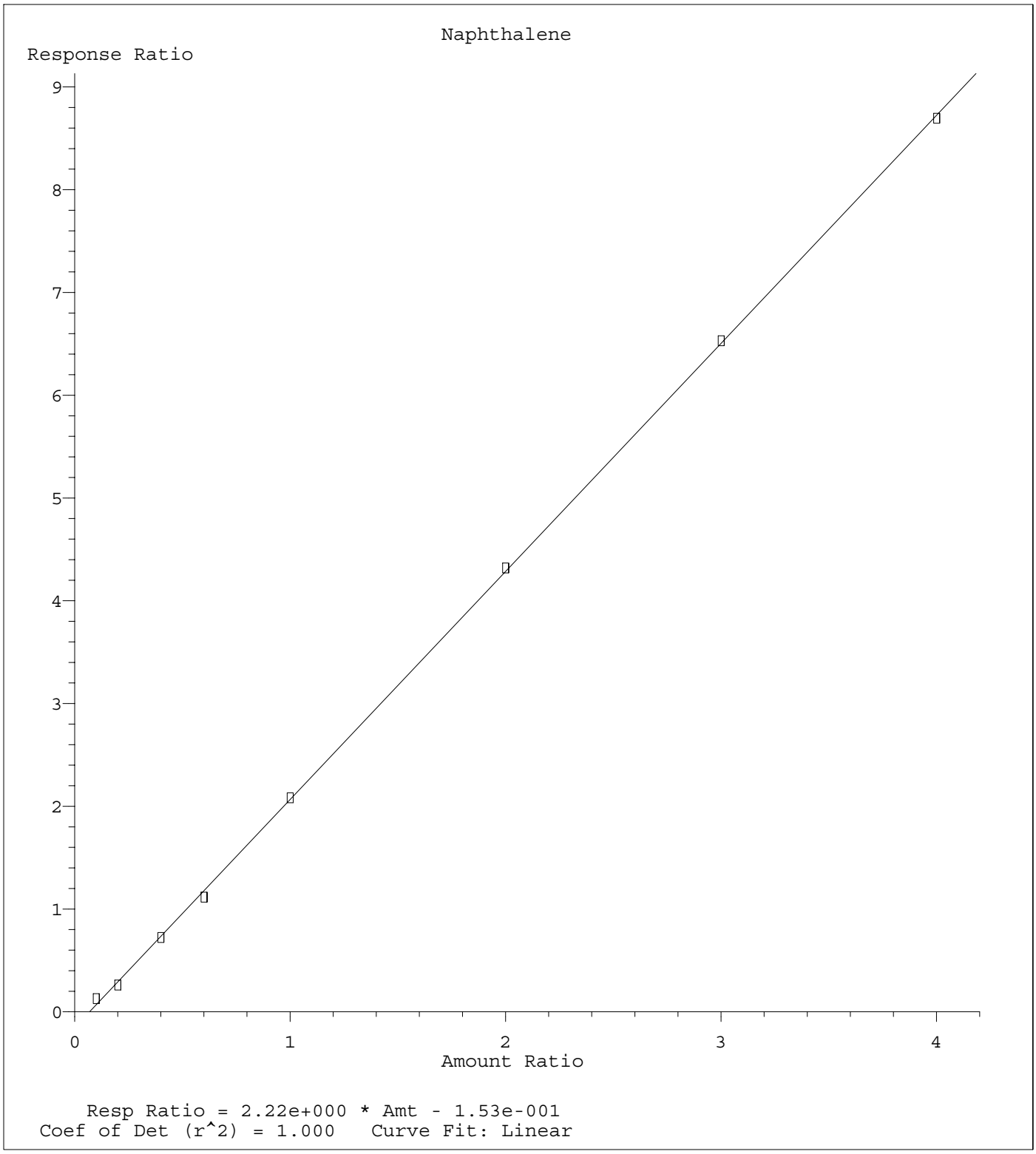
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

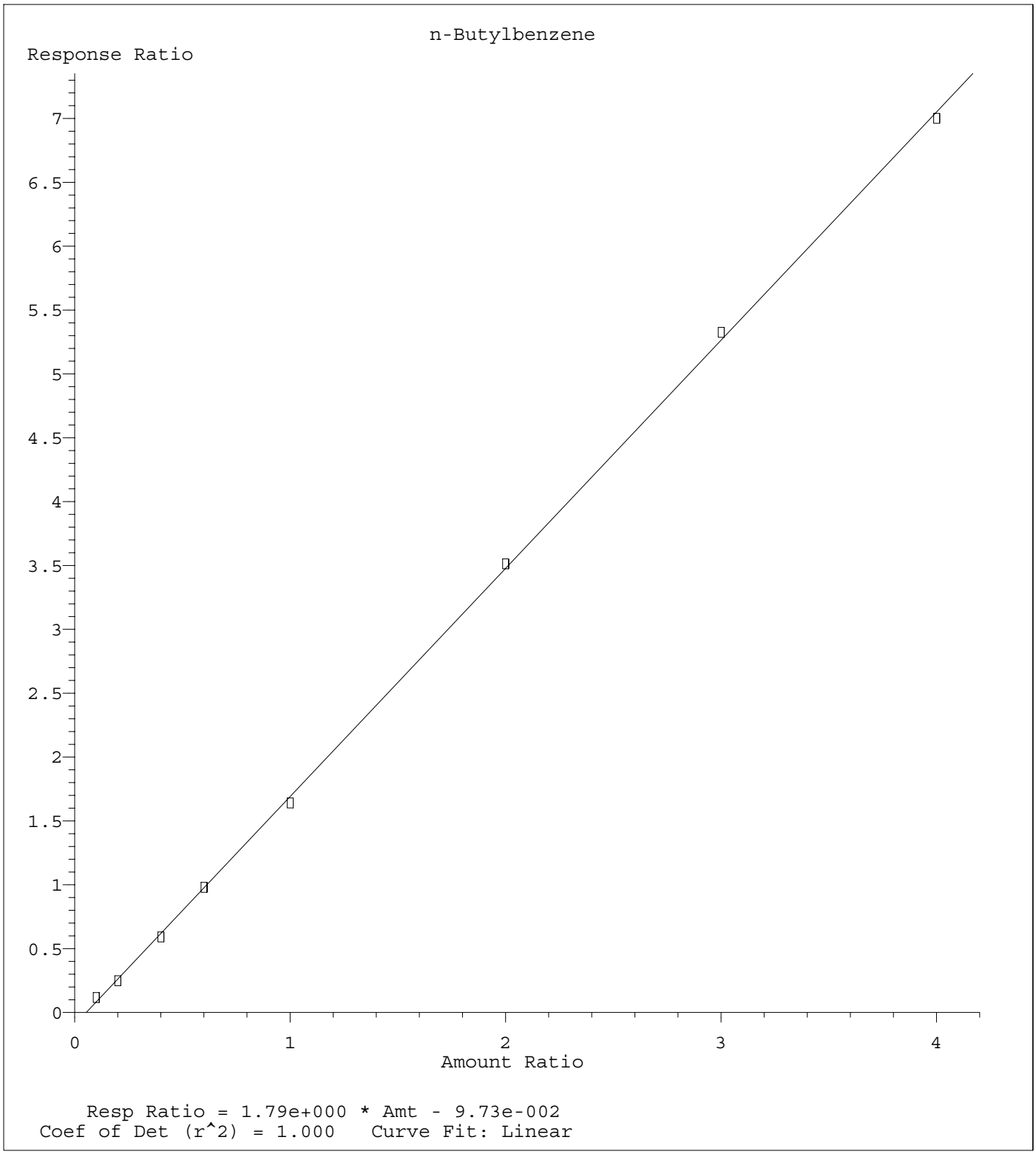
Calibration Files
5 =V1203355.D 10 =V1203356.D 20 =V1203357.D
50 =V1203359.D 100 =V1203360.D 200 =V1203362.D

		Compound	5	10	20	50	100	200	Avg	%RSD
58)	pcc	Bromoform	0.188	0.177	0.207	0.209	0.230	0.248	0.211	12.02#
59)	S	4-Bromofluorobenzen	0.342	0.435	0.423	0.442	0.490	0.499	0.431	13.51
60)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
61)	T	Bromobenzene	0.644	0.679	0.648	0.705	0.730	0.720	0.674	9.31
62)	pcc	1,1,2,2-Tetrachloro	0.867	0.777	0.785	0.830	0.814	0.676	0.796	8.07
63)	T	1,2,3-Trichloroprop	1.127	1.089	1.241	1.292	1.348	1.356	1.241	9.74
64)	T	Isopropylbenzene	1.675	1.765	2.101	2.315	2.394	2.456	2.175	14.02
65)	T	n-Propylbenzene	2.456	2.626	2.929	3.015	3.124	3.158	2.837	13.65
66)	T	trans-1,4-Dichloro-	0.038	0.028	0.043	0.055	0.055	0.058	0.048	22.36
67)	T	2-Chlorotoluene	1.657	1.758	1.896	1.908	2.008	2.013	1.847	11.92
68)	T	4-Chlorotoluene	1.915	2.113	2.169	2.281	2.346	2.369	2.170	10.44
69)	T	1,3,5-Trimethylbenz	1.576	1.545	1.820	1.913	2.033	2.011	1.854	10.55
70)	T	tert-Butylbenzene	1.256	1.290	1.627	1.752	1.849	1.911	1.653	15.49
71)	T	1,2,4-Trimethylbenz	1.519	1.711	1.987	2.057	2.154	2.198	1.987	12.37
72)	T	sec-Butylbenzene	1.522	1.617	1.936	2.057	2.197	2.265	1.987	14.20
73)	T	1,3-Dichlorobenzene	1.225	1.110	1.265	1.249	1.247	1.251	1.199	7.55
74)	T	4-Isopropyltoluene	1.428	1.503	1.826	1.883	1.968	2.011	1.803	12.25
75)	T	1,4-Dichlorobenzene	1.421	1.224	1.294	1.290	1.329	1.294	1.329	4.98
76)	T	1,2-Dichlorobenzene	1.189	1.236	1.249	1.228	1.264	1.227	1.214	6.06
77)	T	n-Butylbenzene	1.166	1.244	1.479	1.640	1.756	1.750	1.555	15.26
78)	T	1,2-Dibromo-3-chlor	0.121	0.125	0.142	0.131	0.145	0.149	0.133	13.37
79)	T	1,2,4-Trichlorobenz	0.506	0.461	0.541	0.622	0.657	0.691	0.596	14.61
80)	T	Hexachlorobutadiene	0.242	0.214	0.219	0.227	0.244	0.264	0.229	12.00
81)	T	Naphthalene	1.280	1.303	1.808	2.083	2.159	2.174	1.855	20.25
82)	T	1,2,3-Trichlorobenz	0.433	0.561	0.554	0.603	0.640	0.646	0.570	13.11

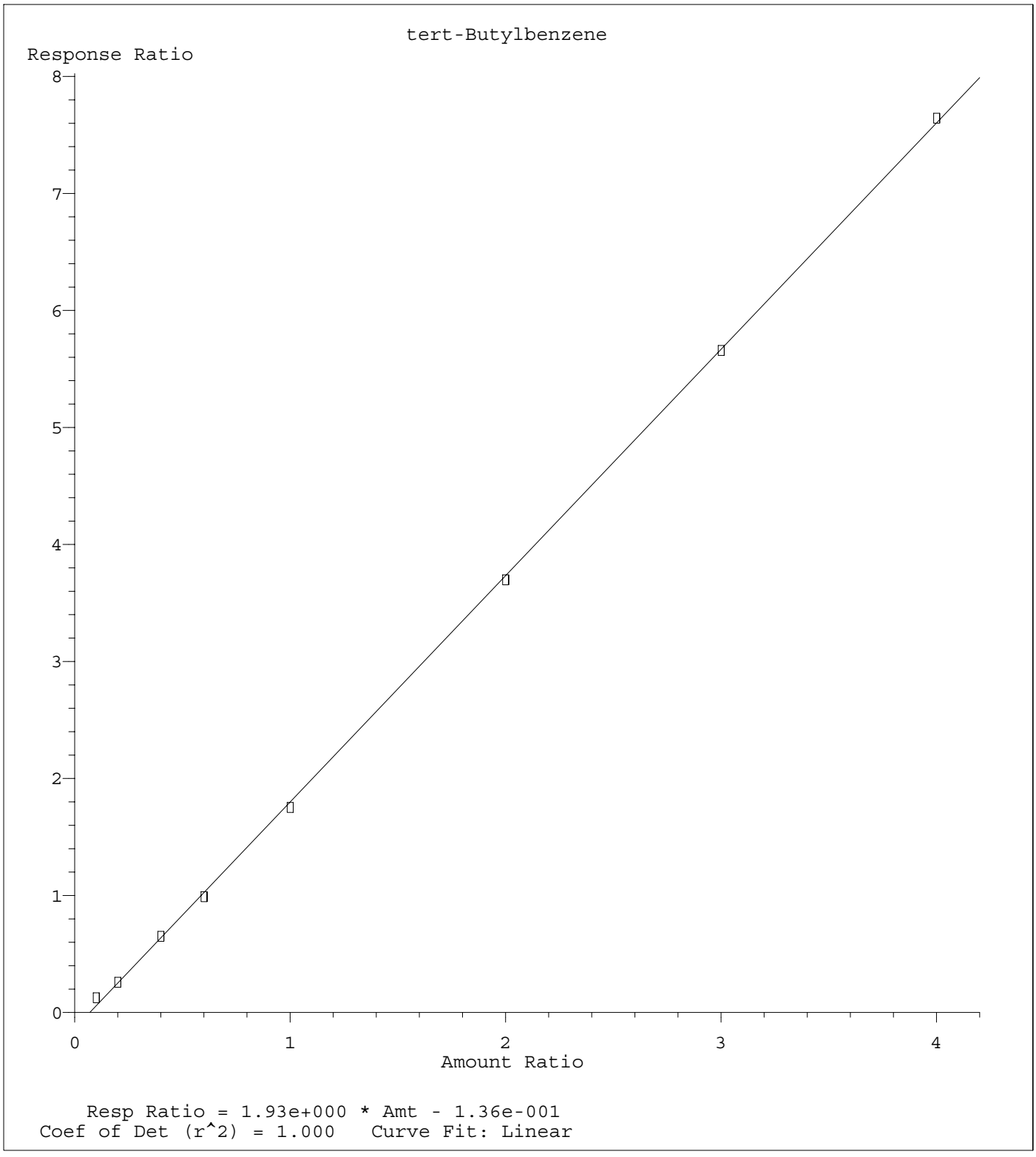
(#) = Out of Range ### Number of calibration levels exceeded format ###



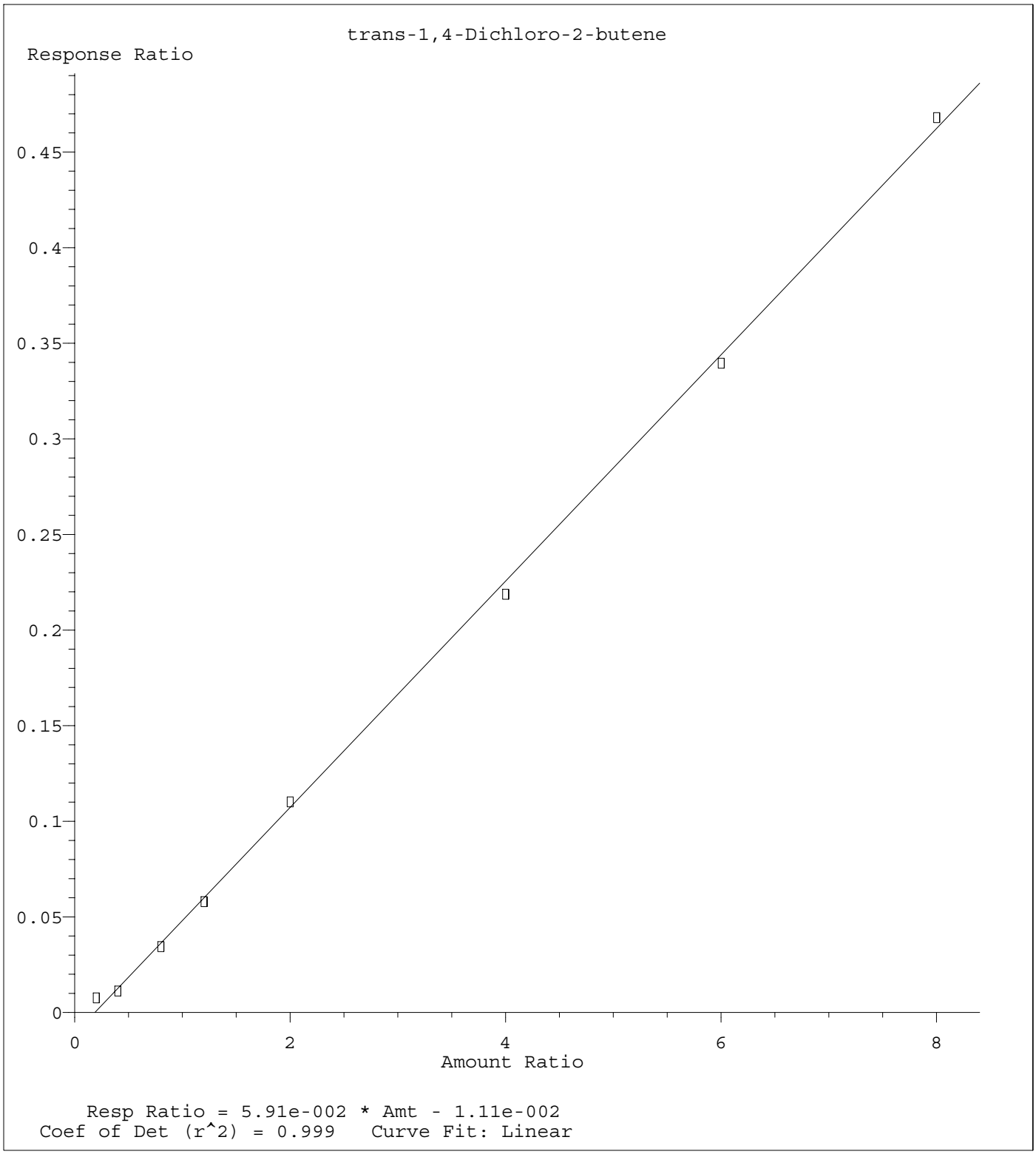
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



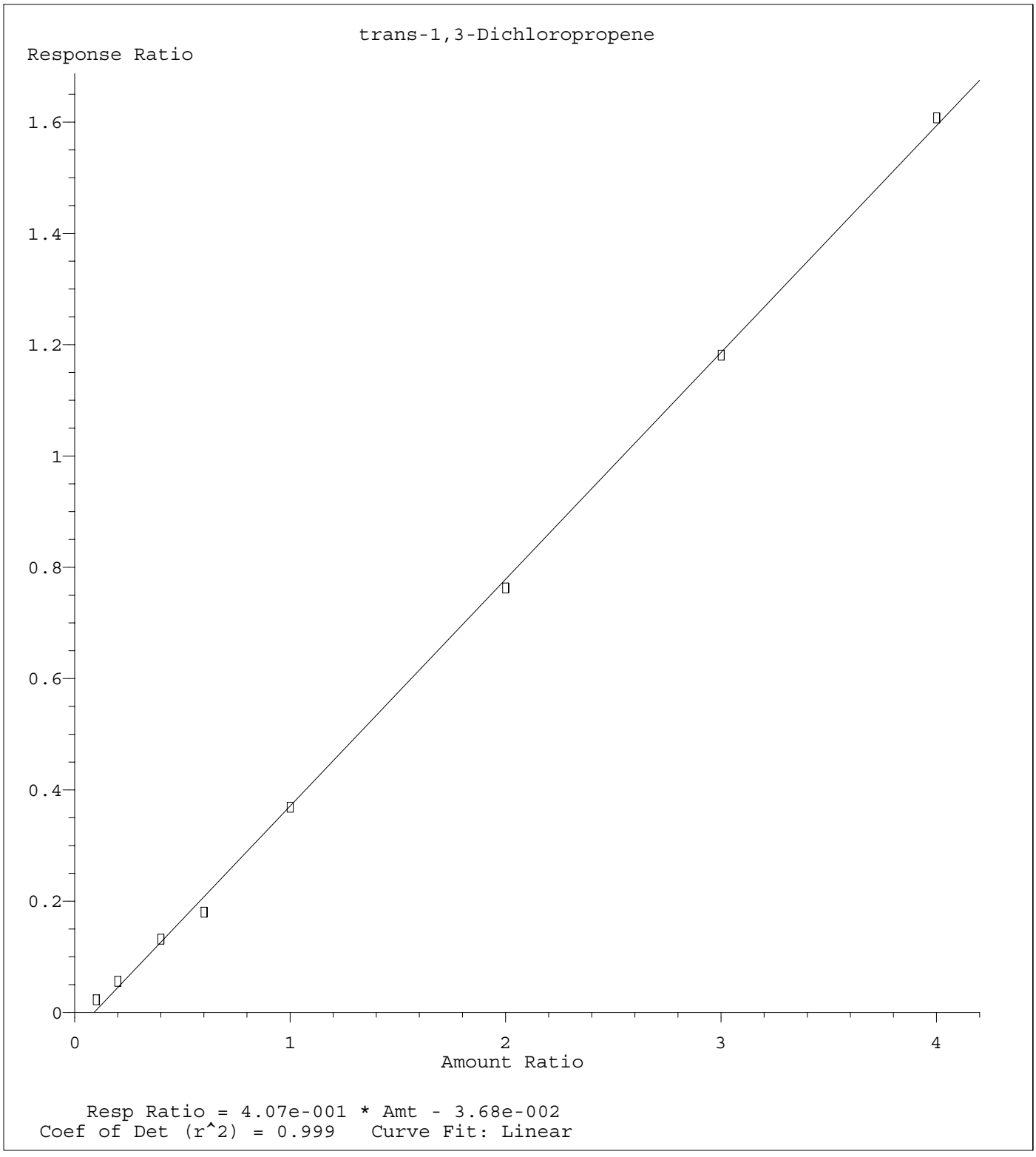
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



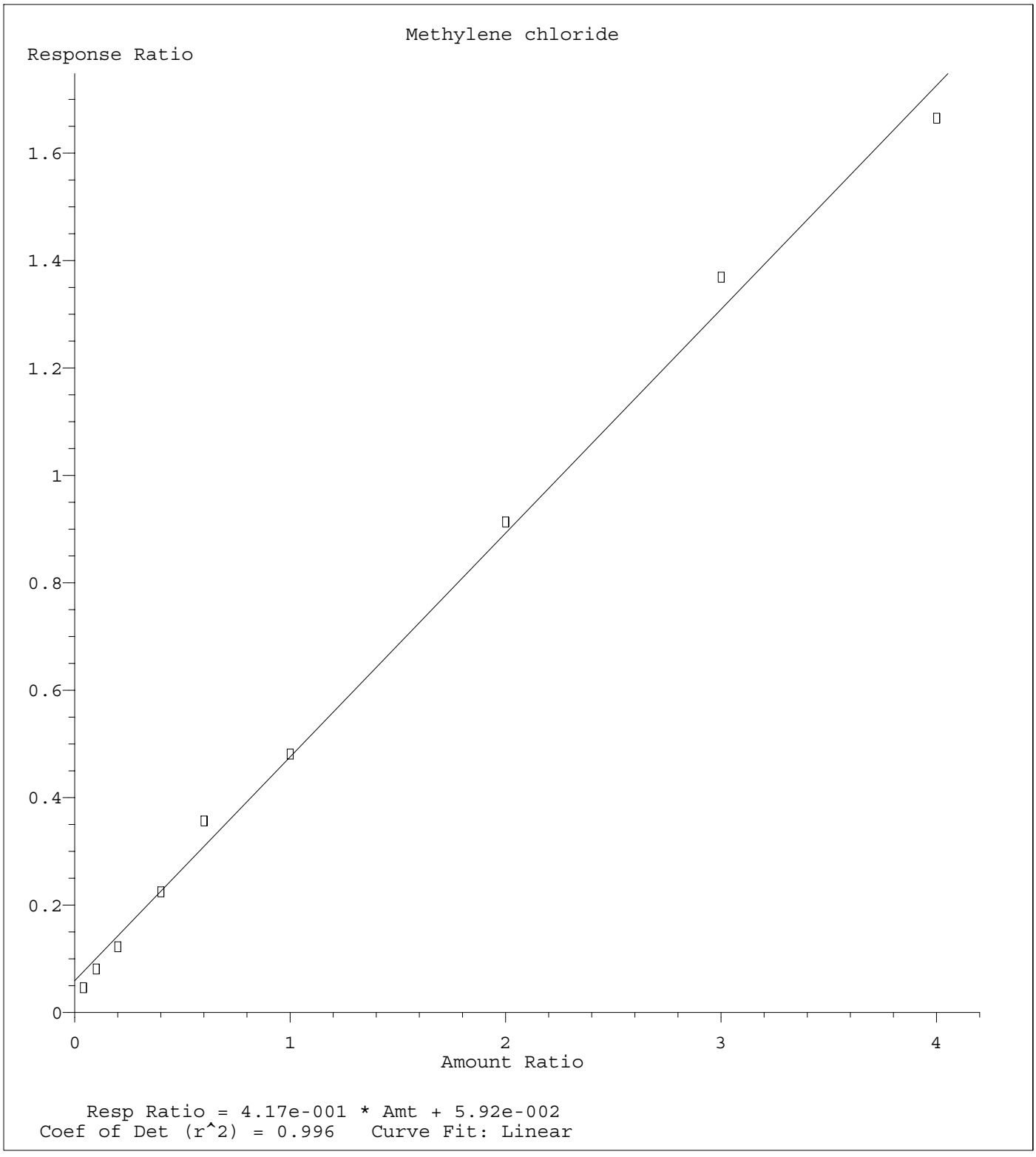
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



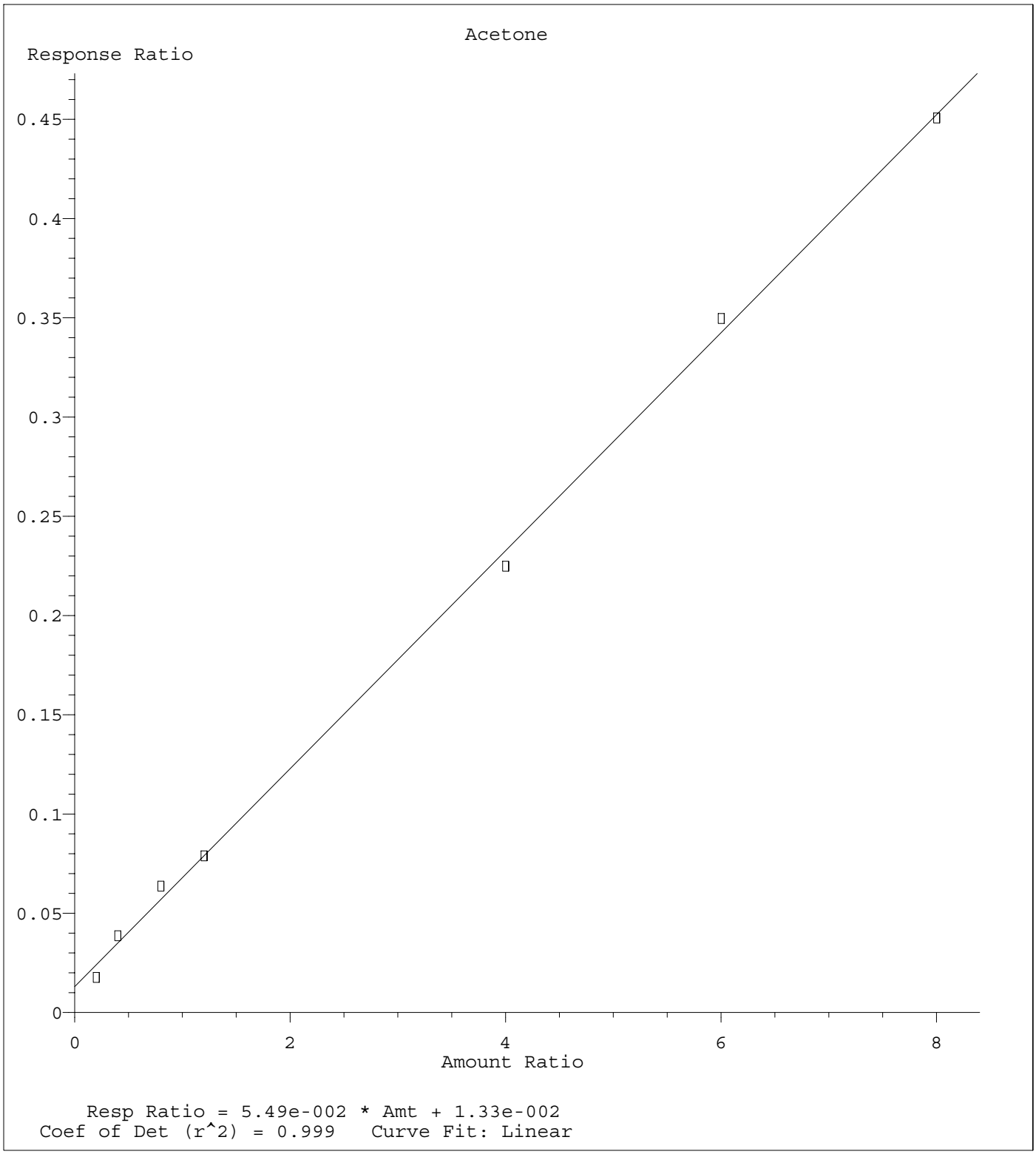
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



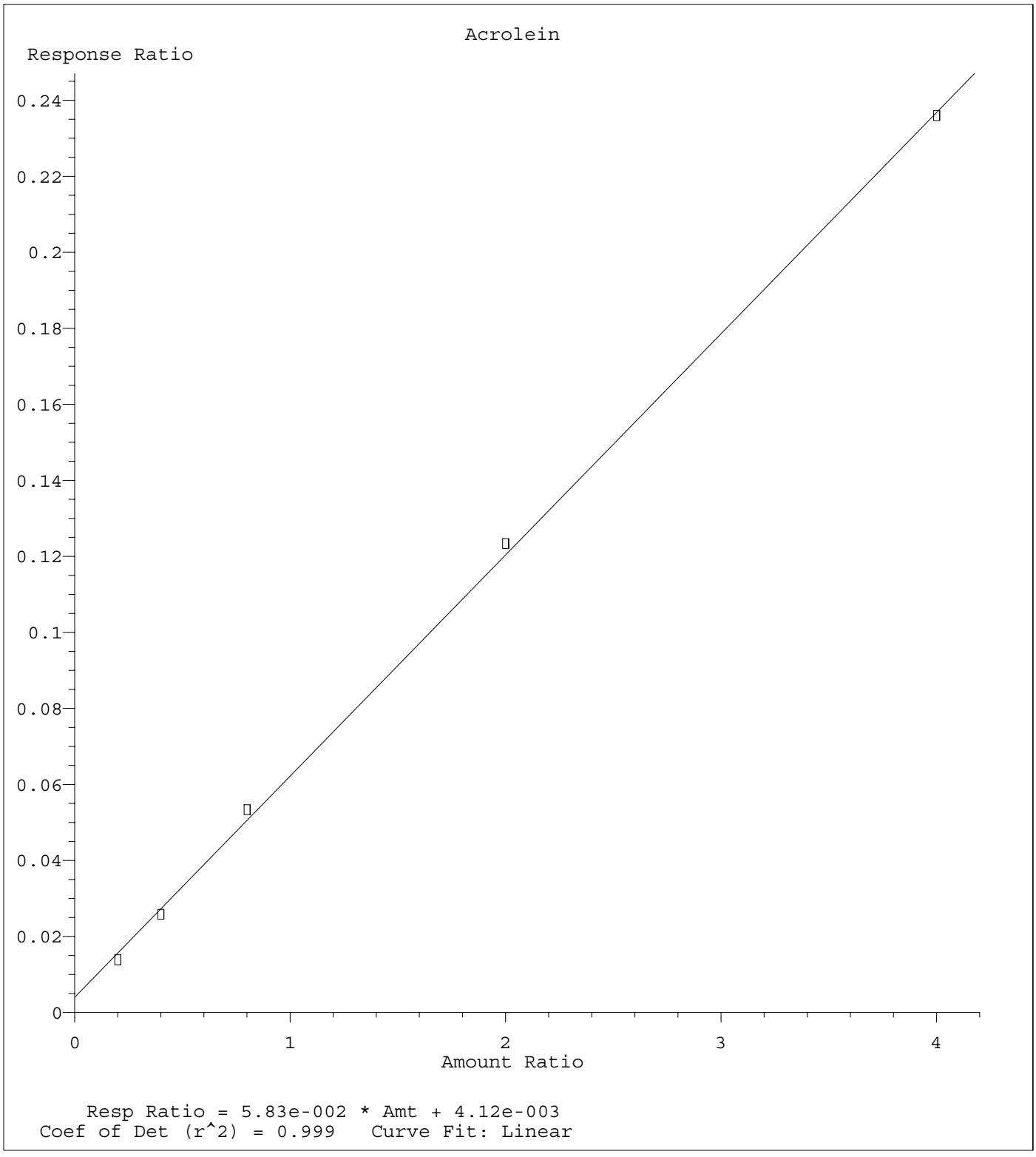
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



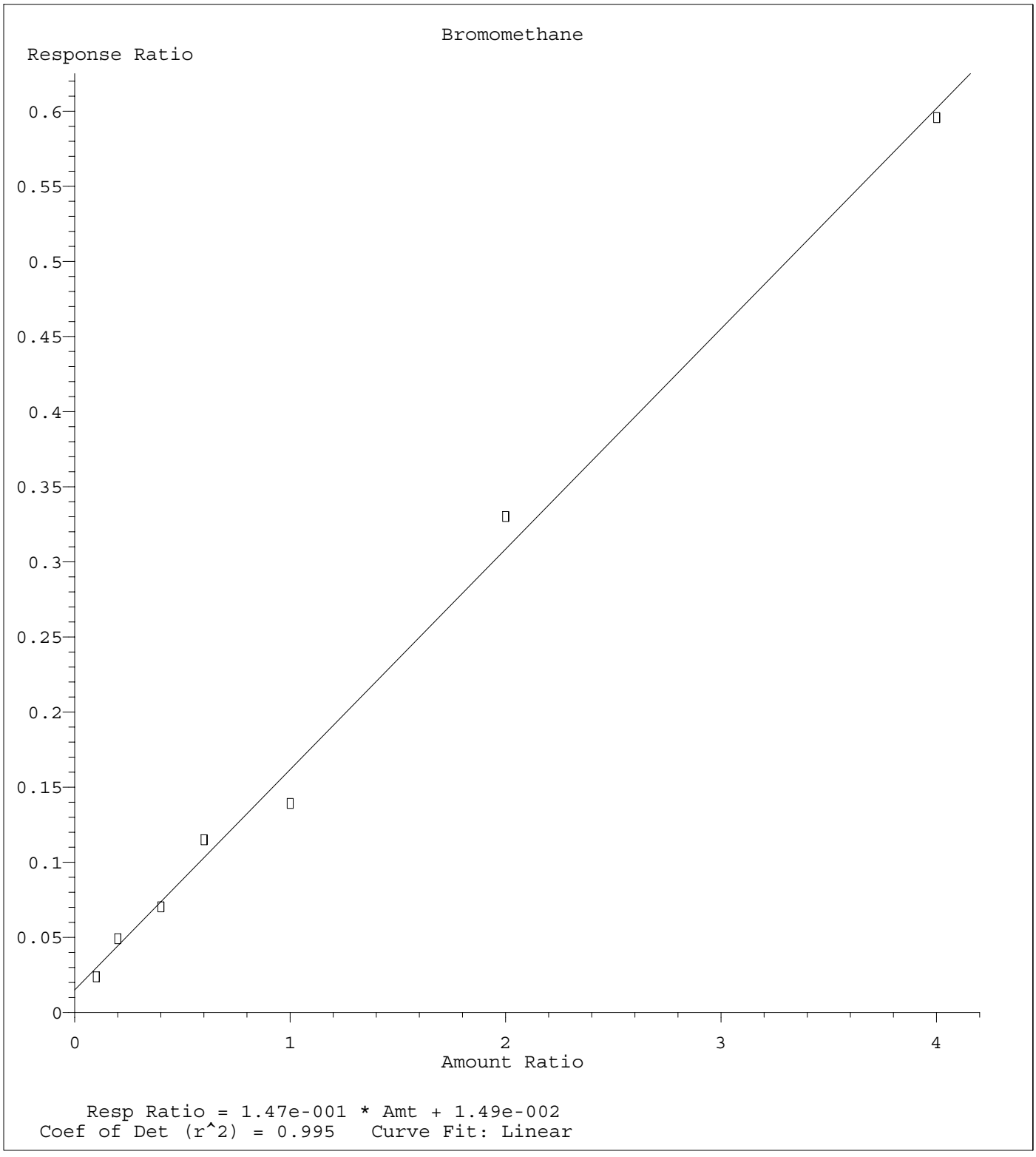
Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004



Method Name: C:\HPCHEM\1\METHODS\VW052704.M
Calibration Table Last Updated: Thu May 27 15:25:35 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	140600	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	223860	50.00 ug/L	0.00
46) Chlorobenzene-d5	10.29	117	146358	50.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73278	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.45	113	3032	2.27 ug/L	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 4.54%#		
42) Toluene-d8	8.59	98	8086	1.90 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.80%		
59) 4-Bromofluorobenzene	11.35	95	1982	1.57 ug/L	0.00
Spiked Amount 50.000			Recovery = 3.14%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.34	85	1669	1.61 ug/L #	43
3) Chloromethane	1.47	50	2607	1.75 ug/L	93
4) Vinyl chloride	1.57	62	2077	1.83 ug/L #	43
5) Bromomethane	1.83	94	1297	Below Cal	96
6) Chloroethane	1.90	64	1583	2.18 ug/L #	44
7) Trichlorofluoromethane	2.10	101	3379	1.78 ug/L	100
8) Acrolein	2.42	56	921	2.08 ug/L #	12
9) 1,1-Dichloroethene	2.54	96	3040	2.55 ug/L	94
10) Freon-113	2.55	101	2116	2.30 µg/L #	66
11) Acetone	2.57	58	1241	Below Cal #	11
12) Iodomethane	2.68	142	7848	4.10 ug/L #	84
13) Carbon disulfide	2.75	76	16330	4.20 ug/L	100
14) Methyl Acetate	2.89	43	6874	2.76 µg/L #	9
15) Vinyl acetate	2.89	43	6874	5.52 ug/L #	87
16) Methylene chloride	3.00	84	6490	Below Cal #	71
17) Acrylonitrile	3.26	53	2981	4.27 ug/L	93
18) Methyl tert-butyl ether	3.32	73	7785	1.96 µg/L #	74
19) trans-1,2-Dichloroethene	3.32	96	2971	2.09 ug/L	79
20) 1,1-Dichloroethane	3.83	63	6447	2.14 ug/L #	90
21) 2,2-Dichloropropane	4.70	77	2008	1.73 ug/L #	51
22) cis-1,2-Dichloroethene	4.71	96	3030	2.02 ug/L	97
23) 2-Butanone	4.75	72	785m	3.76 ug/L	
24) Bromochloromethane	5.06	128	1507	2.16 ug/L #	63
25) Chloroform	5.21	83	7850	3.18 ug/L	97
26) Cyclohexane	5.55	56	7602	3.19 µg/L #	48
27) 1,1,1-Trichloroethane	5.47	97	3170	1.83 ug/L #	83
30) 1,1-Dichloropropene	5.73	110	1282	2.08 ug/L	81
31) Carbon tetrachloride	5.72	119	2558	1.83 ug/L	86
32) Benzene	6.02	78	9826	1.69 ug/L	96
33) 1,2-Dichloroethane	6.05	62	3941	2.00 ug/L #	75
34) Trichloroethene	6.95	130	2896	2.24 ug/L	83
35) Methylcyclohexane	7.21	55	1801	1.50 µg/L #	89
36) 1,2-Dichloropropane	7.25	63	2542	1.67 ug/L #	100
37) Dibromomethane	7.41	93	1709	2.13 ug/L	85
38) Bromodichloromethane	7.64	83	2924	2.03 ug/L #	95
39) 2-Chloroethyl vinyl ether	8.09	63	2614	2.01 µg/L #	100
40) cis-1,3-Dichloropropene	8.25	75	2898	1.62 ug/L #	56
41) 4-Methyl-2-pentanone	8.48	43	4385	2.89 ug/L #	72
43) Toluene	8.69	92	5051	1.64 ug/L	92
44) trans-1,3-Dichloropropene	8.99	75	2336	5.79 ug/L #	46
45) 1,1,2-Trichloroethane	9.22	83	1506	1.76 ug/L	99
47) 2-Hexanone	9.54	43	2479	2.49 ug/L #	82
48) Tetrachloroethene	9.39	166	1784	1.92 ug/L #	68
49) 1,3-Dichloropropane	9.41	76	2010	1.67 ug/L	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

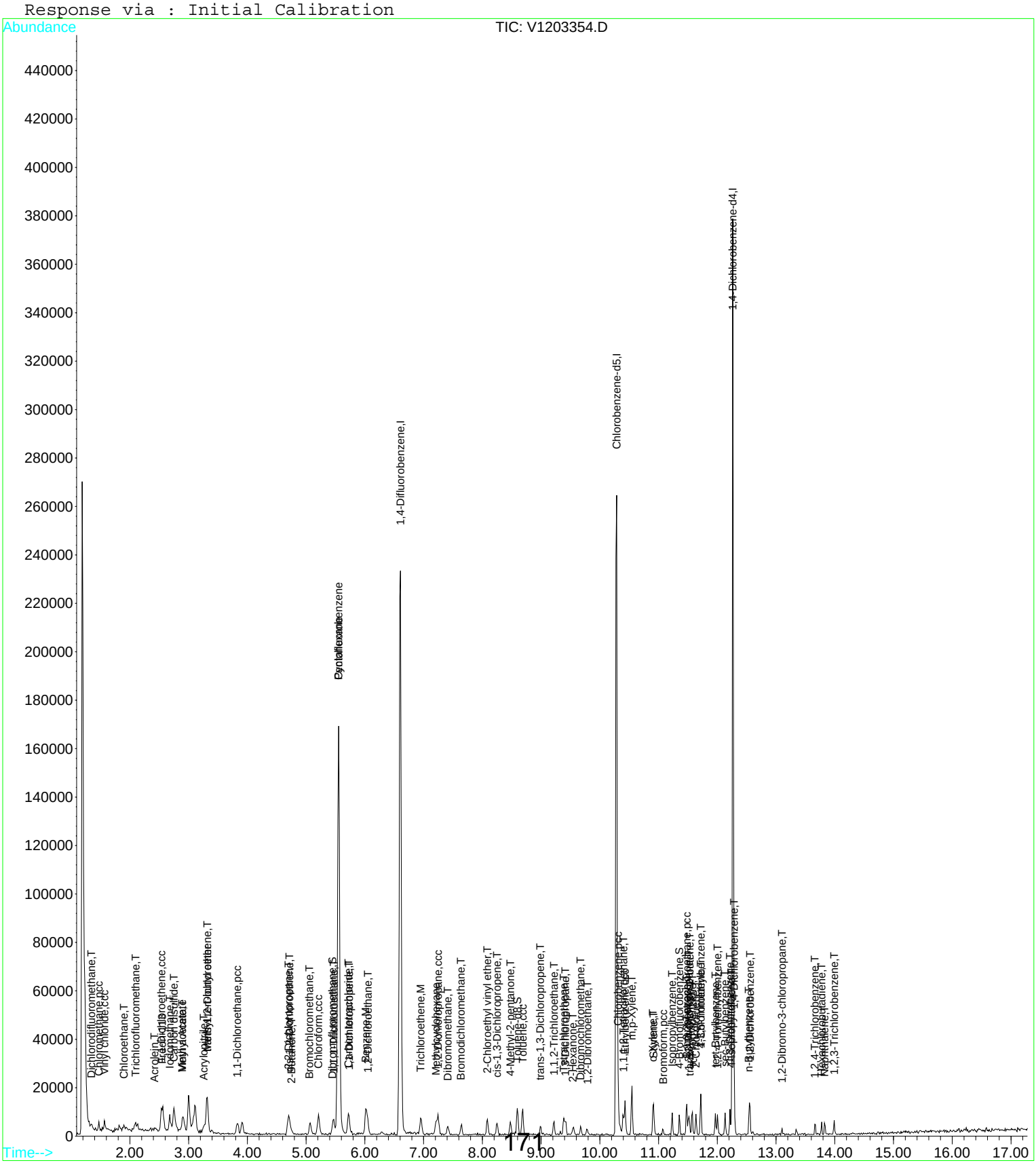
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	1607	1.77	ug/L		91
51)	1,2-Dibromoethane	9.79	107	1429m	1.59	ug/L		
52)	Chlorobenzene	10.31	112	6530	2.19	ug/L		92
53)	1,1,1,2-Tetrachloroethane	10.41	131	1281	1.49	ug/L	#	47
54)	Ethylbenzene	10.43	91	7109	1.55	ug/L		99
55)	m,p-Xylene	10.55	91	10133	2.91	ug/L		100
56)	o-Xylene	10.90	91	4421	1.26	ug/L		84
57)	Styrene	10.91	104	3653	1.24	ug/L		93
58)	Bromoform	11.08	173	1063	1.73	ug/L	#	36
61)	Bromobenzene	11.48	156	1549	1.57	ug/L	#	51
62)	1,1,2,2-Tetrachloroethane	11.48	83	2596	2.23	ug/L	#	85
63)	1,2,3-Trichloropropane	11.52	75	3085	1.70	ug/L	#	1
64)	Isopropylbenzene	11.23	105	4131	1.30	ug/L		94
65)	n-Propylbenzene	11.58	91	5956	1.43	ug/L		88
66)	trans-1,4-Dichloro-2-buten	11.53	124	102m	10.55	ug/L		
67)	2-Chlorotoluene	11.64	91	4006	1.48	ug/L		93
68)	4-Chlorotoluene	11.72	91	5003	1.57	ug/L		84
69)	1,3,5-Trimethylbenzene	11.72	105	3397	1.25	ug/L		92
70)	tert-Butylbenzene	11.97	119	3383	4.71	ug/L	#	82
71)	1,2,4-Trimethylbenzene	12.00	105	3530	1.21	ug/L	#	71
72)	sec-Butylbenzene	12.13	105	3612	1.24	ug/L	#	69
73)	1,3-Dichlorobenzene	12.22	146	2903	1.65	ug/L	#	89
74)	4-Isopropyltoluene	12.24	119	3452	1.31	ug/L	#	63
75)	1,4-Dichlorobenzene	12.29	146	4209	2.16	ug/L	#	72
76)	1,2-Dichlorobenzene	12.56	146	3011	1.69	ug/L	#	92
77)	n-Butylbenzene	12.54	91	3663	4.12	ug/L	#	68
78)	1,2-Dibromo-3-chloropropan	13.10	75	275m	1.41	ug/L		
79)	1,2,4-Trichlorobenzene	13.66	180	1078	1.23	ug/L	#	67
80)	Hexachlorobutadiene	13.78	225	496m	1.48	ug/L		
81)	Naphthalene	13.82	128	2913	4.34	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	1399	1.67	ug/L	#	68

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: VW052704.RES

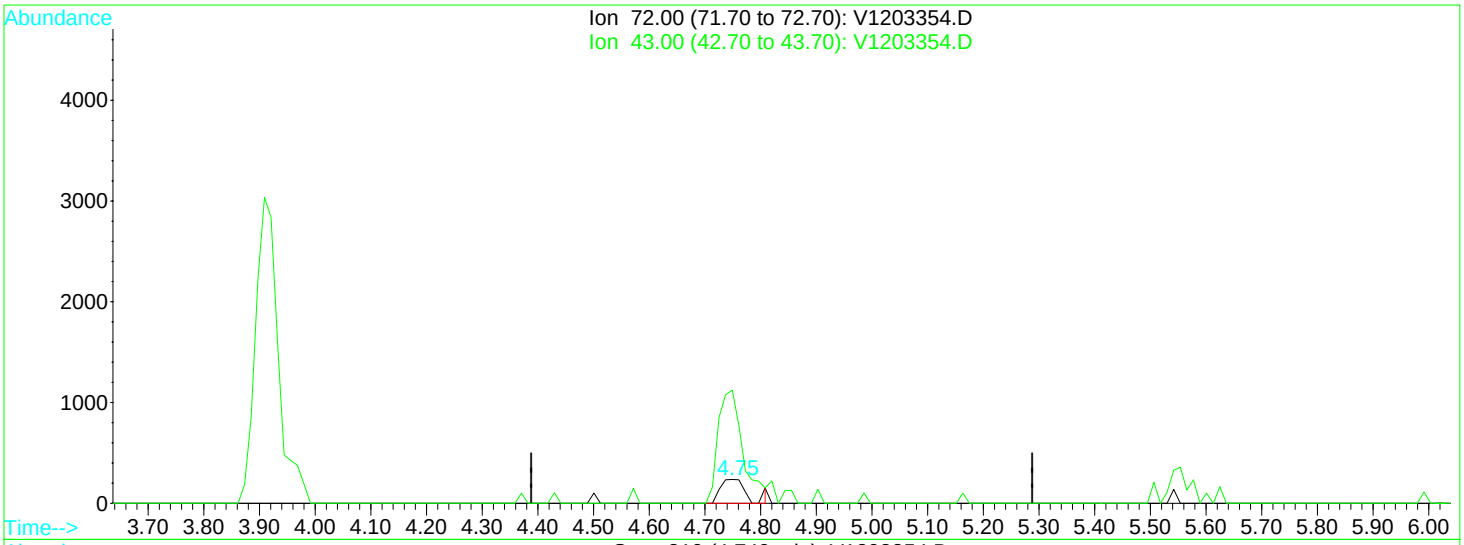
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

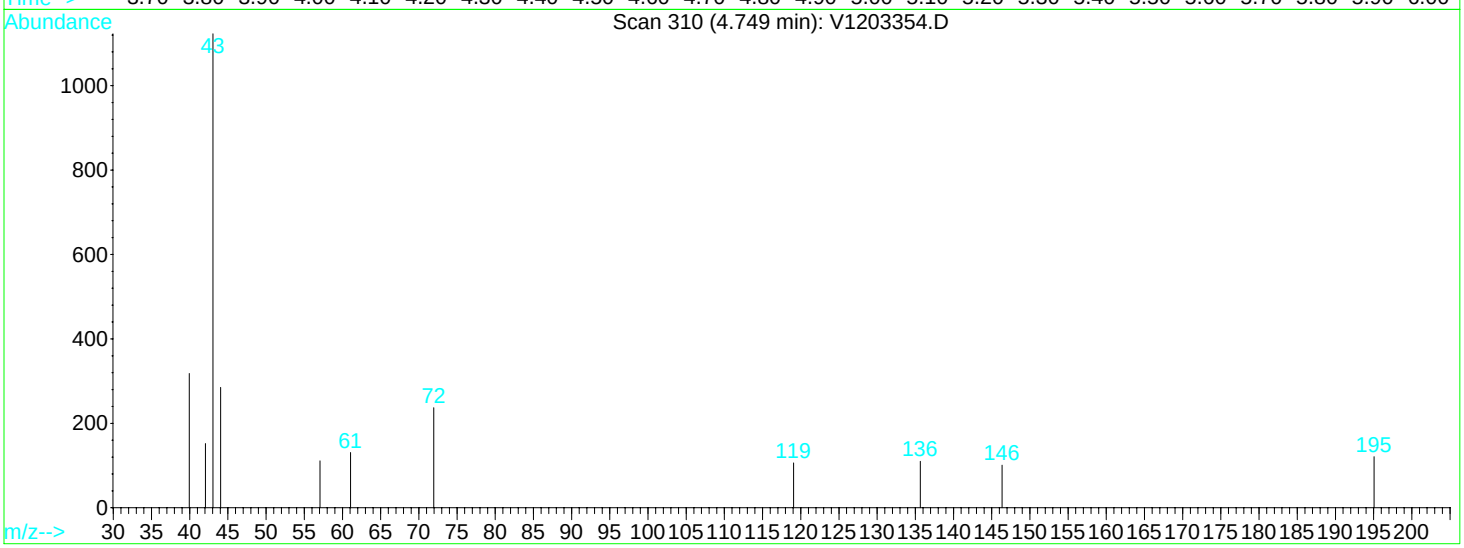


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(23) 2-Butanone (T)

4.75min 3.76ug/L m

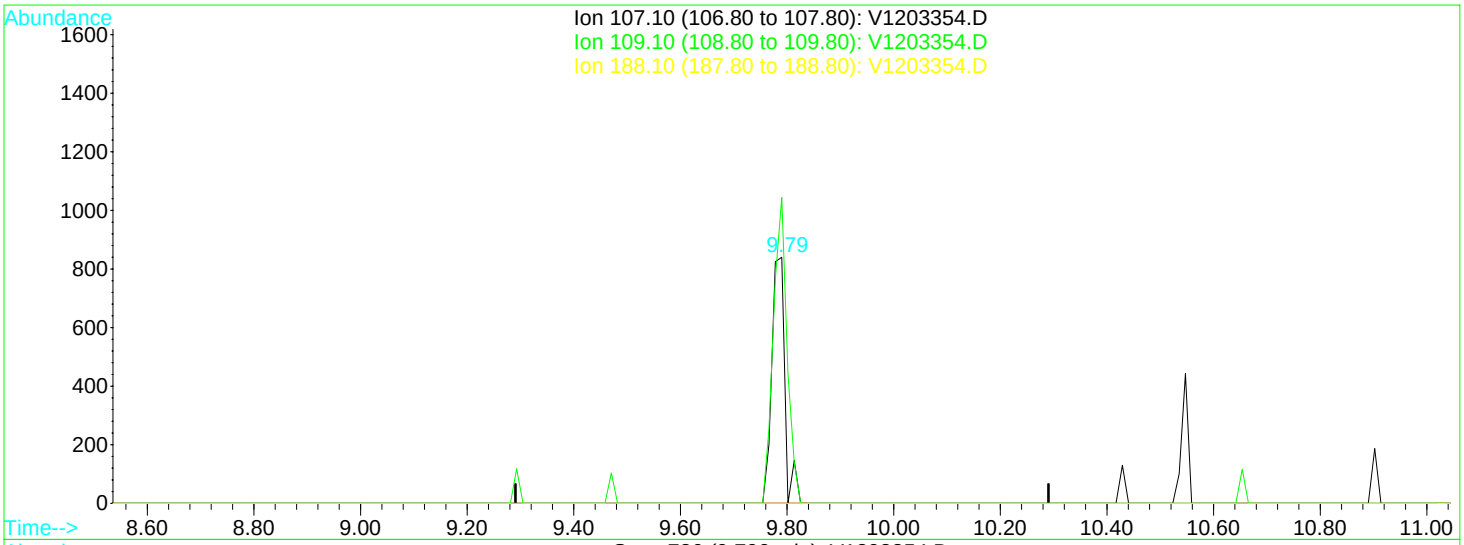
response 785

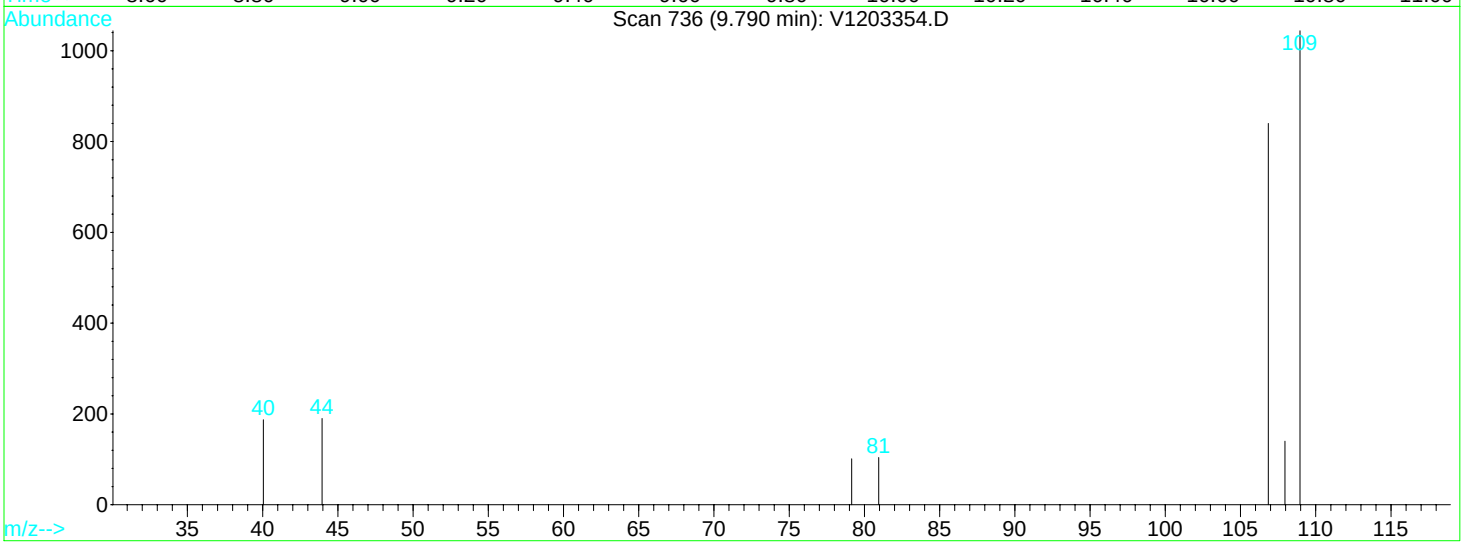
Ion	Exp%	Act%
72.00	100	100
43.00	362.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(51) 1,2-Dibromoethane (T)

9.79min 1.59ug/L m

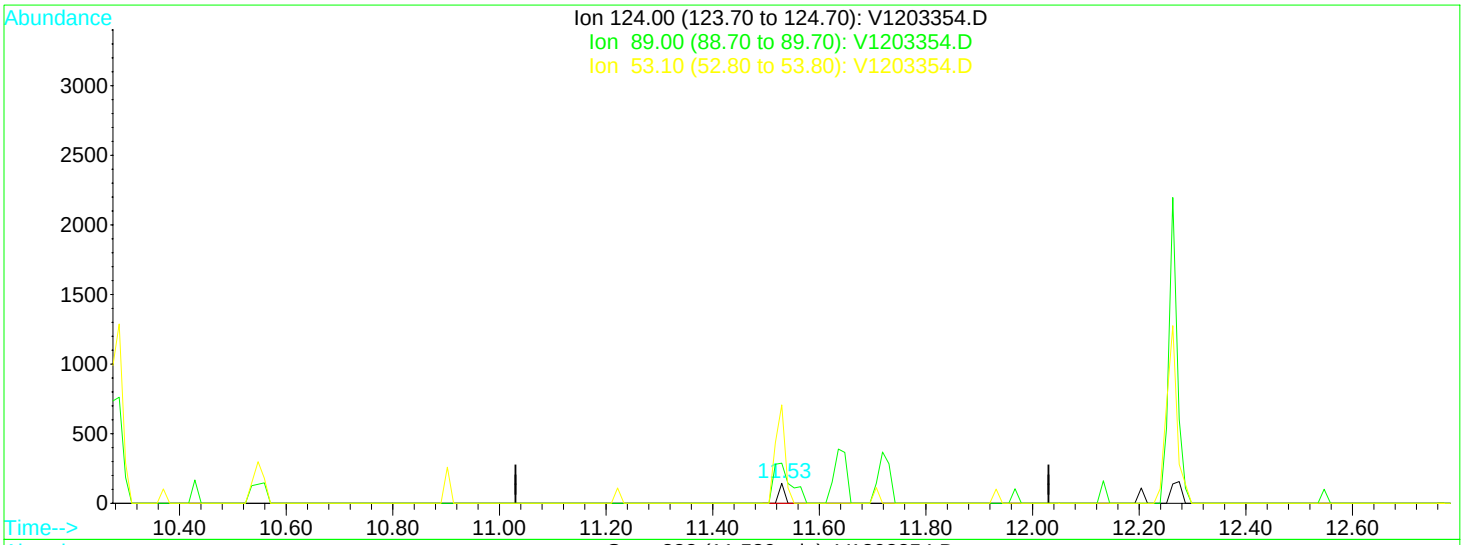
response 1429

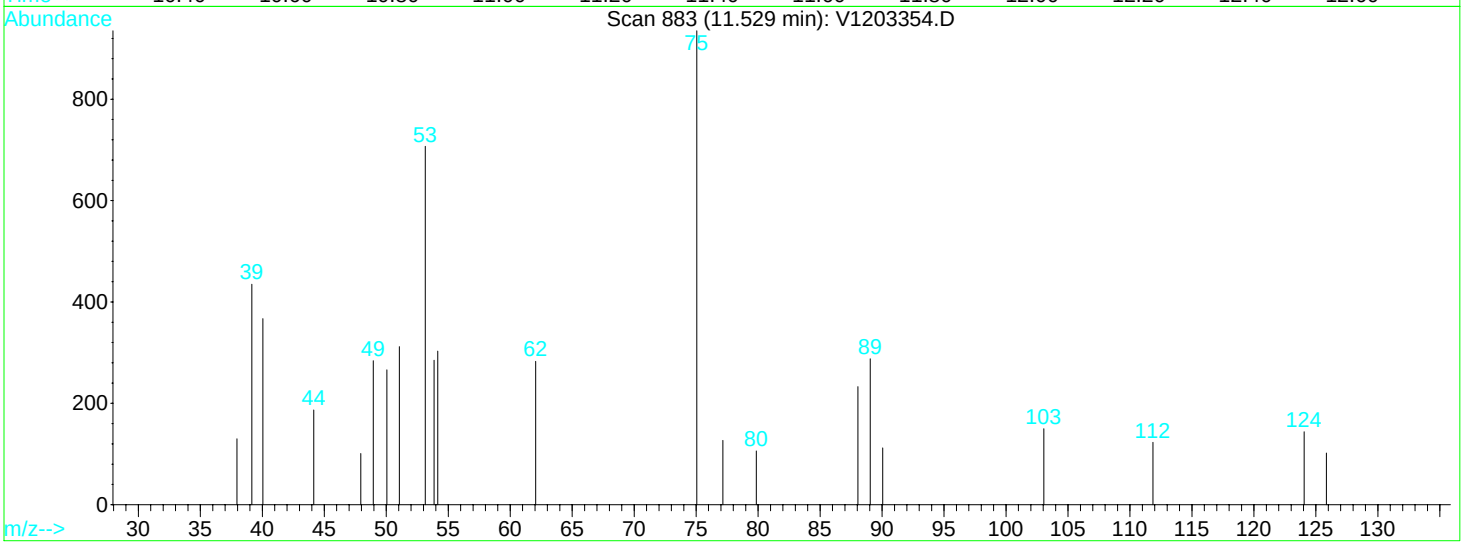
Ion	Exp%	Act%
107.10	100	100
109.10	92.90	131.49#
188.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 10.55ug/L m

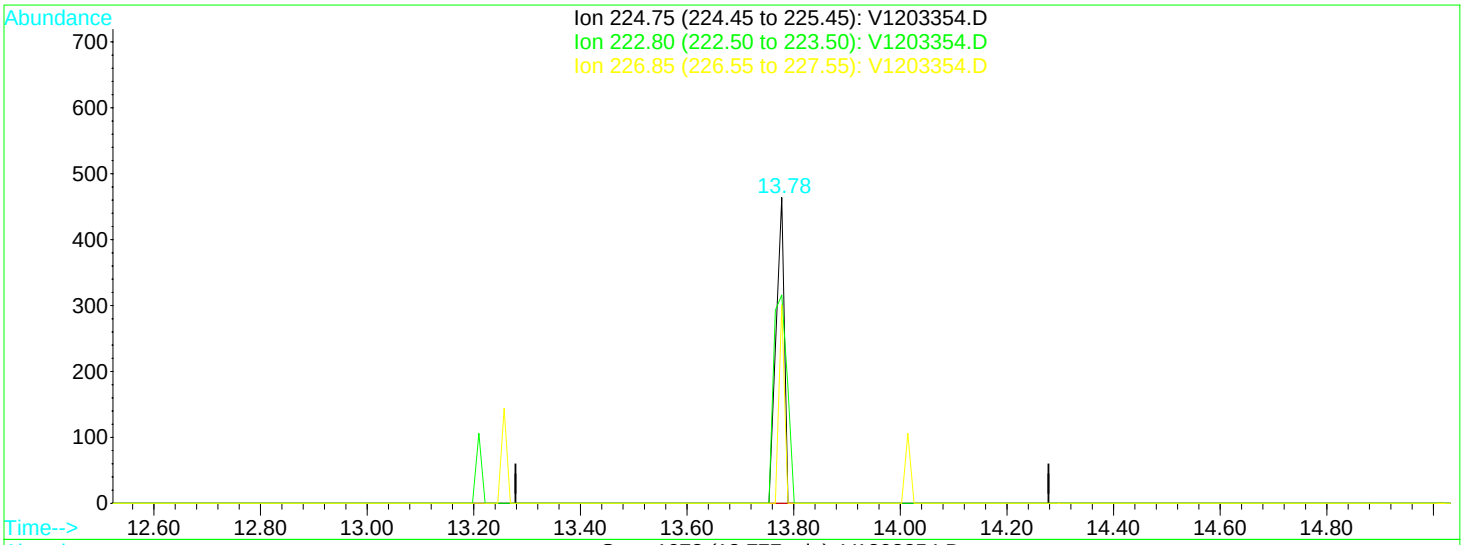
response 102

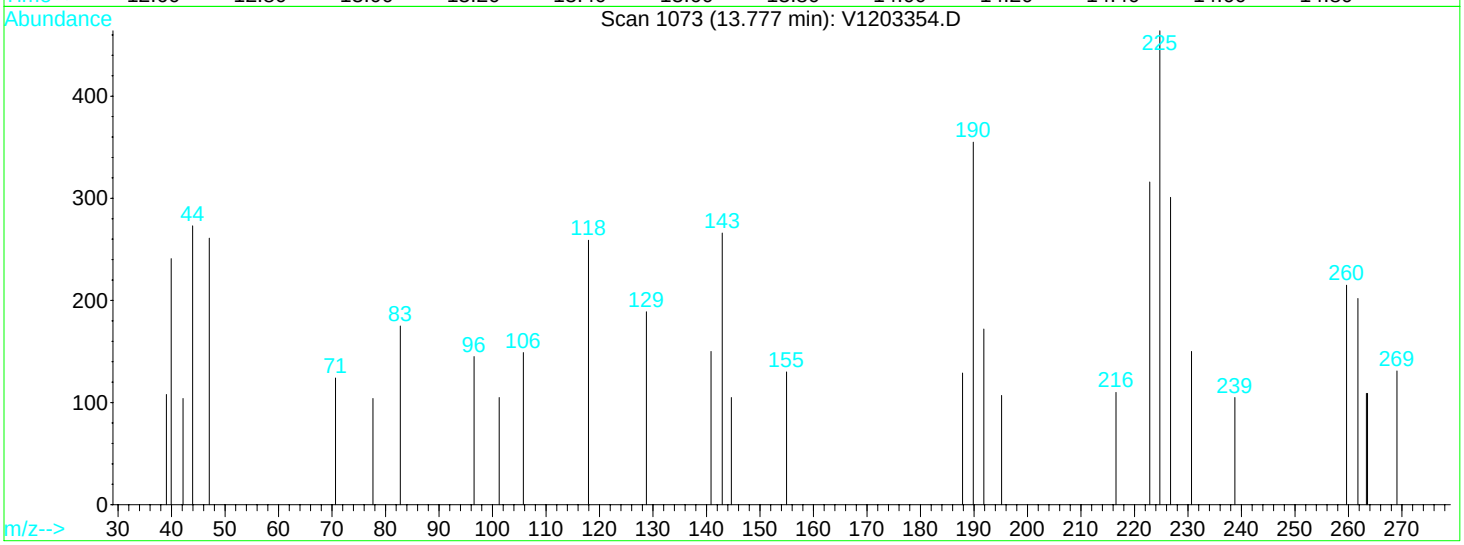
Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203354.D Vial: 4
Acq On : 27 May 2004 9:52 am Operator: TMP
Sample : 8260 ICAL 002 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:35 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203354.D

(80) Hexachlorobutadiene (T)

13.78min 1.48ug/L m

response 496

Ion	Exp%	Act%
224.75	100	100
222.80	62.10	0.00#
226.85	62.80	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	156400	50.00 ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	254808	50.00 ug/L	-0.01
46) Chlorobenzene-d5	10.28	117	157093	50.00 ug/L	-0.01
60) 1,4-Dichlorobenzene-d4	12.26	152	81746	50.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.46	113	7988	5.25 ug/L	0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 10.50%#		
42) Toluene-d8	8.60	98	21171	4.36 ug/L	0.00
Spiked Amount 50.000			Recovery = 8.72%		
59) 4-Bromofluorobenzene	11.35	95	5380	3.98 ug/L	0.00
Spiked Amount 50.000			Recovery = 7.96%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.35	85	6341	5.51 ug/L	98
3) Chloromethane	1.47	50	9275	5.59 ug/L	98
4) Vinyl chloride	1.57	62	7271	5.75 ug/L	98
5) Bromomethane	1.83	94	3710	3.02 ug/L	93
6) Chloroethane	1.90	64	4230	5.24 ug/L	95
7) Trichlorofluoromethane	2.10	101	10937	5.18 ug/L	94
8) Acrolein	2.43	56	2168	8.35 ug/L	99
9) 1,1-Dichloroethene	2.53	96	8120	6.13 ug/L	84
10) Freon-113	2.55	101	6197	6.05 µg/L	96
11) Acetone	2.57	58	2759	3.95 ug/L #	50
12) Iodomethane	2.68	142	23302	10.94 ug/L	88
13) Carbon disulfide	2.75	76	51036	11.79 ug/L	100
14) Methyl Acetate	2.89	43	16504	5.96 µg/L #	4
15) Vinyl acetate	2.89	43	16504	11.92 ug/L #	84
16) Methylene chloride	3.00	84	12663	2.62 ug/L #	74
17) Acrylonitrile	3.26	53	8805	11.35 ug/L	98
18) Methyl tert-butyl ether	3.32	73	23195	5.24 µg/L #	83
19) trans-1,2-Dichloroethene	3.31	96	9256	5.86 ug/L	91
20) 1,1-Dichloroethane	3.83	63	18420	5.50 ug/L	93
21) 2,2-Dichloropropane	4.70	77	6925	5.36 ug/L	97
22) cis-1,2-Dichloroethene	4.70	96	8272	4.95 ug/L	89
23) 2-Butanone	4.75	72	2037	8.78 ug/L #	12
24) Bromochloromethane	5.07	128	4028	5.18 ug/L #	56
25) Chloroform	5.21	83	17542	6.39 ug/L	100
26) Cyclohexane	5.56	56	16154	6.09 µg/L #	73
27) 1,1,1-Trichloroethane	5.47	97	10027	5.22 ug/L	96
30) 1,1-Dichloropropene	5.72	110	3485	4.97 ug/L	96
31) Carbon tetrachloride	5.72	119	7417	4.65 ug/L	96
32) Benzene	6.02	78	32435	4.90 ug/L	95
33) 1,2-Dichloroethane	6.04	62	11010	4.91 ug/L	93
34) Trichloroethene	6.95	130	5883	4.00 ug/L #	80
35) Methylcyclohexane	7.21	55	5424	3.97 µg/L #	93
36) 1,2-Dichloropropane	7.25	63	9083	5.25 ug/L #	100
37) Dibromomethane	7.40	93	4412	4.83 ug/L	88
38) Bromodichloromethane	7.65	83	7688	4.68 ug/L #	90
39) 2-Chloroethyl vinyl ether	8.09	63	10127	6.85 µg/L #	100
40) cis-1,3-Dichloropropene	8.24	75	8508	4.17 ug/L	95
41) 4-Methyl-2-pentanone	8.48	43	14056	8.14 ug/L #	92
43) Toluene	8.68	92	15574	4.45 ug/L	93
44) trans-1,3-Dichloropropene	8.99	75	5802	7.30 ug/L	93
45) 1,1,2-Trichloroethane	9.21	83	4739	4.87 ug/L	97
47) 2-Hexanone	9.54	43	7689	7.20 ug/L #	72
48) Tetrachloroethene	9.39	166	5087	5.10 ug/L	90
49) 1,3-Dichloropropane	9.41	76	4802	4.72 ug/L	98

(#) = qualifier out of range (m) = manual integration
V1203355.D VW052704.M Fri May 28 11:05:53 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

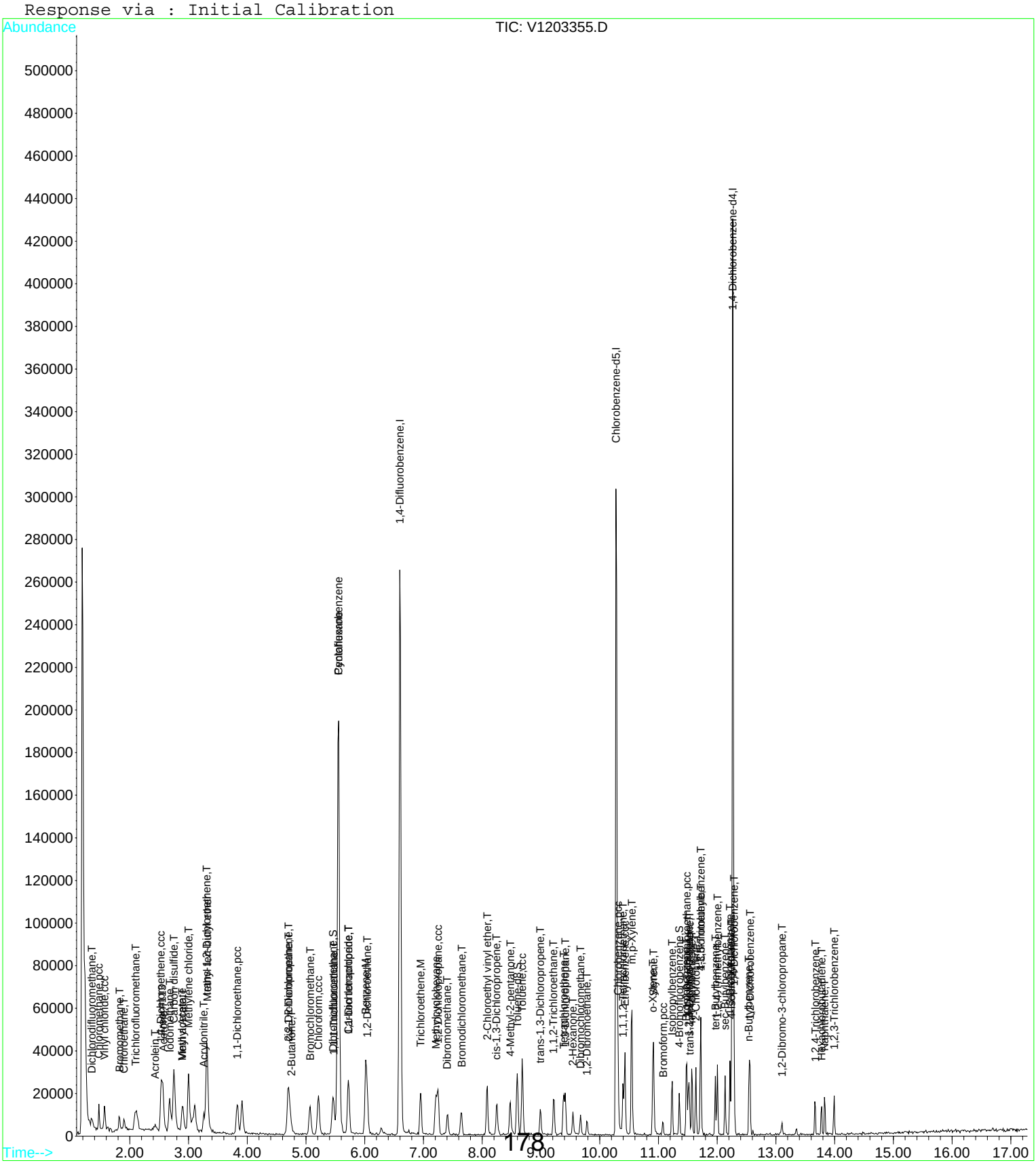
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	4663	4.80	ug/L		98
51)	1,2-Dibromoethane	9.78	107	4644	4.82	ug/L	#	95
52)	Chlorobenzene	10.31	112	15424	4.82	ug/L		89
53)	1,1,1,2-Tetrachloroethane	10.40	131	4169	4.52	ug/L	#	71
54)	Ethylbenzene	10.43	91	21327	4.33	ug/L		98
55)	m,p-Xylene	10.55	91	33303	8.90	ug/L		98
56)	o-Xylene	10.90	91	14922	3.97	ug/L		91
57)	Styrene	10.92	104	13076	4.13	ug/L		95
58)	Bromoform	11.08	173	2958	4.47	ug/L	#	95
61)	Bromobenzene	11.47	156	5267	4.78	ug/L	#	65
62)	1,1,2,2-Tetrachloroethane	11.48	83	7091	5.45	ug/L	#	96
63)	1,2,3-Trichloropropane	11.52	75	9209	4.54	ug/L	#	1
64)	Isopropylbenzene	11.24	105	13690	3.85	ug/L		98
65)	n-Propylbenzene	11.57	91	20077	4.33	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	623m	15.82	ug/L		
67)	2-Chlorotoluene	11.64	91	13547	4.49	ug/L		97
68)	4-Chlorotoluene	11.72	91	15652	4.41	ug/L		91
69)	1,3,5-Trimethylbenzene	11.72	105	12881	4.25	ug/L		100
70)	tert-Butylbenzene	11.97	119	10269	6.76	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	12420	3.82	ug/L		86
72)	sec-Butylbenzene	12.13	105	12443	3.83	ug/L		97
73)	1,3-Dichlorobenzene	12.22	146	10012	5.11	ug/L		98
74)	4-Isopropyltoluene	12.24	119	11677	3.96	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	11618	5.35	ug/L	#	93
76)	1,2-Dichlorobenzene	12.56	146	9720	4.90	ug/L		95
77)	n-Butylbenzene	12.54	91	9530	5.99	ug/L		95
78)	1,2-Dibromo-3-chloropropan	13.10	75	989	4.56	ug/L	#	1
79)	1,2,4-Trichlorobenzene	13.67	180	4133	4.24	ug/L		95
80)	Hexachlorobutadiene	13.78	225	1981	5.28	ug/L		92
81)	Naphthalene	13.83	128	10464	6.33	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	3539	3.80	ug/L		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: VW052704.RES

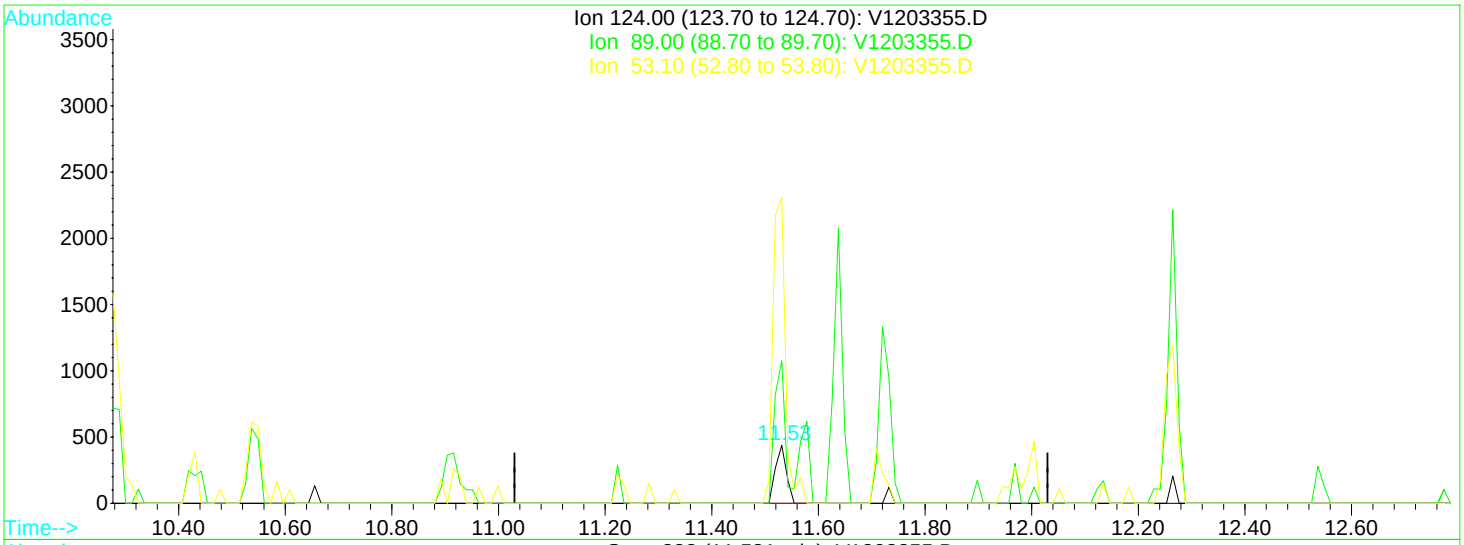
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration

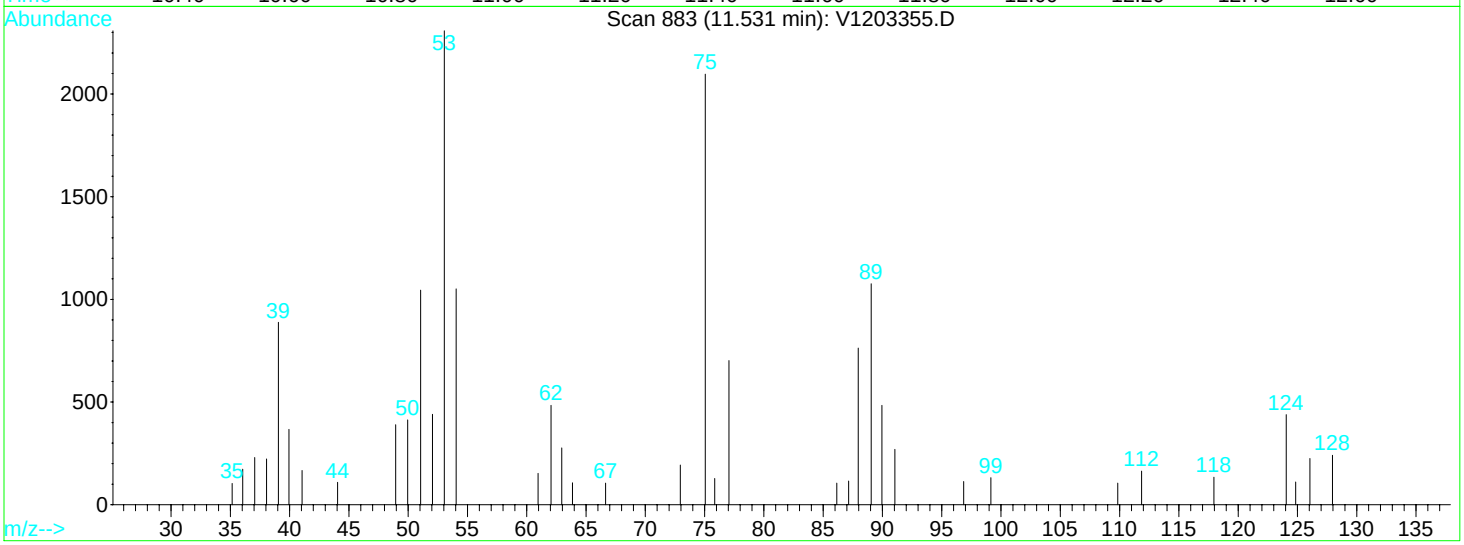


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\052704\V1203355.D Vial: 5
Acq On : 27 May 2004 10:43 am Operator: TMP
Sample : 8260 ICAL 005 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:36 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration





TIC: V1203355.D

(66) trans-1,4-Dichloro-2-butene (T)

11.53min 15.82ug/L m

response 623

Ion	Exp%	Act%
124.00	100	100
89.00	0.00	0.00
53.10	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	132072	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	212604	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	151408	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	84203	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	12709	10.00	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 20.00%#				
42) Toluene-d8	8.60	98	42325	10.45	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.90%				
59) 4-Bromofluorobenzene	11.35	95	13171	10.10	ug/L		0.00
Spiked Amount 50.000			Recovery = 20.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.36	85	9711	9.99	ug/L		98
3) Chloromethane	1.47	50	16317	11.66	ug/L		92
4) Vinyl chloride	1.57	62	11374	10.66	ug/L		93
5) Bromomethane	1.82	94	6485	11.66	ug/L		94
6) Chloroethane	1.90	64	7731	11.35	ug/L		100
7) Trichlorofluoromethane	2.10	101	17881	10.03	ug/L		98
8) Acrolein	2.43	56	3411	18.60	ug/L		90
9) 1,1-Dichloroethene	2.54	96	10621	9.50	ug/L	#	56
10) Freon-113	2.55	101	8806	10.19	µg/L	#	84
11) Acetone	2.57	58	5101	23.07	ug/L	#	30
12) Iodomethane	2.68	142	37004	20.58	ug/L		89
13) Carbon disulfide	2.75	76	76458	20.92	ug/L		100
14) Methyl Acetate	2.89	43	24944	10.67	µg/L	#	4
15) Vinyl acetate	2.89	43	24944	21.34	ug/L	#	83
16) Methylene chloride	3.00	84	16142	7.57	ug/L	#	74
17) Acrylonitrile	3.27	53	14543	22.19	ug/L		96
18) Methyl tert-butyl ether	3.32	73	36814	9.85	µg/L	#	83
19) trans-1,2-Dichloroethene	3.32	96	13330	9.99	ug/L		90
20) 1,1-Dichloroethane	3.84	63	28920	10.23	ug/L		96
21) 2,2-Dichloropropane	4.70	77	10969	10.05	ug/L		95
22) cis-1,2-Dichloroethene	4.70	96	13388	9.48	ug/L		89
23) 2-Butanone	4.75	72	4662	23.78	ug/L		72
24) Bromochloromethane	5.07	128	6391	9.73	ug/L	#	61
25) Chloroform	5.21	83	25309	10.92	ug/L		89
26) Cyclohexane	5.56	56	22659	10.12	µg/L	#	82
27) 1,1,1-Trichloroethane	5.49	97	15729	9.69	ug/L		91
30) 1,1-Dichloropropene	5.73	110	4992	8.53	ug/L		93
31) Carbon tetrachloride	5.72	119	11694	8.80	ug/L		95
32) Benzene	6.02	78	54589	9.88	ug/L		100
33) 1,2-Dichloroethane	6.05	62	18561	9.91	ug/L		99
34) Trichloroethene	6.95	130	11352	9.25	ug/L		85
35) Methylcyclohexane	7.21	55	8973	7.88	µg/L		88
36) 1,2-Dichloropropane	7.25	63	14693	10.18	ug/L	#	100
37) Dibromomethane	7.40	93	7391	9.69	ug/L		95
38) Bromodichloromethane	7.65	83	12177	8.88	ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	22049	17.87	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	16122	9.46	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	27755	19.27	ug/L		90
43) Toluene	8.68	92	28847	9.88	ug/L		90
44) trans-1,3-Dichloropropene	8.99	75	11887	11.37	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	8483	10.45	ug/L		97
47) 2-Hexanone	9.54	43	18800	18.27	ug/L		85
48) Tetrachloroethene	9.39	166	9087	9.45	ug/L		92
49) 1,3-Dichloropropane	9.41	76	17263	9.60	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

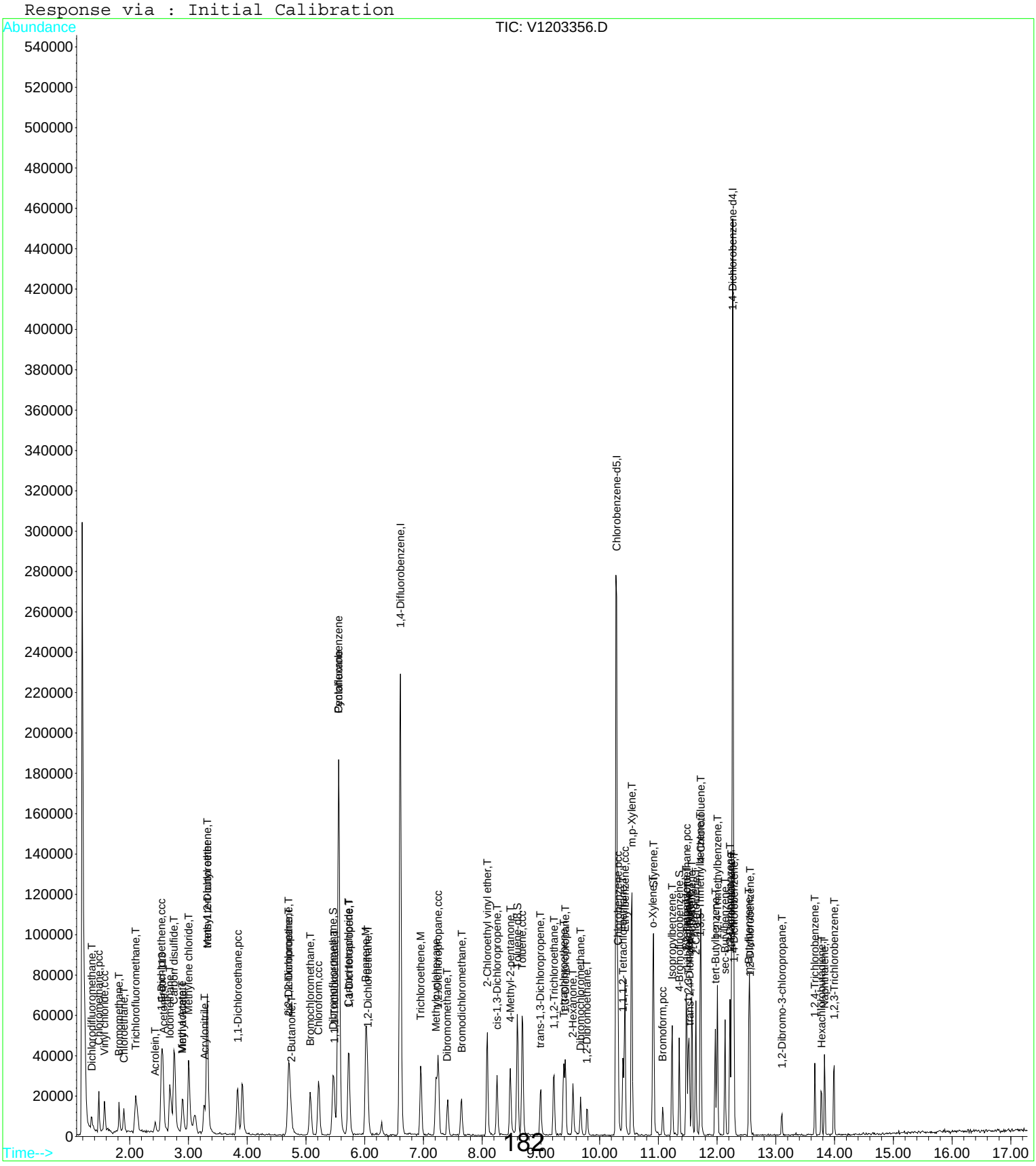
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	8786	9.38	ug/L		92
51)	1,2-Dibromoethane	9.78	107	9084	9.78	ug/L	#	93
52)	Chlorobenzene	10.31	112	30653	9.95	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.40	131	8042	9.05	ug/L		89
54)	Ethylbenzene	10.43	91	44802	9.45	ug/L		96
55)	m,p-Xylene	10.55	91	66483	18.44	ug/L		98
56)	o-Xylene	10.91	91	31842	8.78	ug/L		96
57)	Styrene	10.92	104	27821	9.11	ug/L		95
58)	Bromoform	11.07	173	5365	8.42	ug/L	#	94
61)	Bromobenzene	11.47	156	11436	10.07	ug/L	#	67
62)	1,1,2,2-Tetrachloroethane	11.48	83	13079	9.76	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	18342	8.78	ug/L	#	1
64)	Isopropylbenzene	11.24	105	29722	8.12	ug/L		99
65)	n-Propylbenzene	11.57	91	44215	9.26	ug/L		91
66)	trans-1,4-Dichloro-2-buten	11.53	124	944	18.86	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	29605	9.52	ug/L		90
68)	4-Chlorotoluene	11.72	91	35591	9.74	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	26011	8.33	ug/L		98
70)	tert-Butylbenzene	11.97	119	21732	10.19	ug/L		90
71)	1,2,4-Trimethylbenzene	12.01	105	28820	8.61	ug/L		90
72)	sec-Butylbenzene	12.14	105	27233	8.14	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	18690	9.26	ug/L		94
74)	4-Isopropyltoluene	12.24	119	25312	8.34	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	20611	9.21	ug/L		89
76)	1,2-Dichlorobenzene	12.56	146	20809	10.18	ug/L		94
77)	n-Butylbenzene	12.54	91	20946	9.68	ug/L		94
78)	1,2-Dibromo-3-chloropropan	13.11	75	2097	9.38	ug/L		87
79)	1,2,4-Trichlorobenzene	13.66	180	7770	7.74	ug/L		93
80)	Hexachlorobutadiene	13.78	225	3610	9.35	ug/L		94
81)	Naphthalene	13.83	128	21936	9.32	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	9444	9.83	ug/L		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203356.D Vial: 6
Acq On : 27 May 2004 11:08 am Operator: TMP
Sample : 8260 ICAL 010 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	148795	50.00 ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	225797	50.00 ug/L		0.00
46) Chlorobenzene-d5	10.29	117	156850	50.00 ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	88903	50.00 ug/L		0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	25268	18.72 ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 37.44%#			
42) Toluene-d8	8.60	98	88198	20.50 ug/L		0.00
Spiked Amount 50.000			Recovery = 41.00%			
59) 4-Bromofluorobenzene	11.35	95	26512	19.62 ug/L		0.00
Spiked Amount 50.000			Recovery = 39.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	20401	18.63 ug/L		98
3) Chloromethane	1.47	50	30979	19.64 ug/L		100
4) Vinyl chloride	1.57	62	23833	19.82 ug/L		100
5) Bromomethane	1.82	94	10458	18.87 ug/L		97
6) Chloroethane	1.90	64	13851	18.05 ug/L		94
7) Trichlorofluoromethane	2.10	101	36644	18.25 ug/L		99
8) Acrolein	2.43	56	7937	42.18 ug/L		94
9) 1,1-Dichloroethene	2.54	96	26281	20.86 ug/L		80
10) Freon-113	2.56	101	20005	20.54 µg/L		90
11) Acetone	2.57	58	9466	45.83 ug/L	#	18
12) Iodomethane	2.68	142	80950	39.95 ug/L		88
13) Carbon disulfide	2.75	76	169260	41.10 ug/L		100
14) Methyl Acetate	2.89	43	56754	21.55 µg/L	#	5
15) Vinyl acetate	2.89	43	56754	43.09 ug/L	#	87
16) Methylene chloride	3.00	84	33415	19.85 ug/L	#	73
17) Acrylonitrile	3.26	53	31220	42.28 ug/L		98
18) Methyl tert-butyl ether	3.32	73	85818	20.38 µg/L	#	87
19) trans-1,2-Dichloroethene	3.32	96	29780	19.81 ug/L		87
20) 1,1-Dichloroethane	3.83	63	63232	19.85 ug/L		99
21) 2,2-Dichloropropane	4.70	77	25602	20.82 ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	31475	19.78 ug/L		95
23) 2-Butanone	4.74	72	9673	43.80 ug/L	#	25
24) Bromochloromethane	5.07	128	15849	21.42 ug/L	#	64
25) Chloroform	5.21	83	50349	19.28 ug/L		95
26) Cyclohexane	5.55	56	49724	19.71 µg/L	#	91
27) 1,1,1-Trichloroethane	5.47	97	36401	19.91 ug/L		92
30) 1,1-Dichloropropene	5.73	110	12470	20.06 ug/L		95
31) Carbon tetrachloride	5.72	119	27660	19.59 ug/L		96
32) Benzene	6.02	78	122968	20.95 ug/L		98
33) 1,2-Dichloroethane	6.05	62	41096	20.67 ug/L		96
34) Trichloroethene	6.95	130	26414	20.26 ug/L		87
35) Methylcyclohexane	7.21	55	24953	20.62 µg/L		99
36) 1,2-Dichloropropane	7.25	63	32688	21.32 ug/L	#	100
37) Dibromomethane	7.41	93	16819	20.76 ug/L		90
38) Bromodichloromethane	7.65	83	30710	21.10 ug/L		92
39) 2-Chloroethyl vinyl ether	8.09	63	55747	42.55 µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	35926	19.85 ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	70389	46.02 ug/L	#	90
43) Toluene	8.69	92	66594	21.47 ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	29731	20.67 ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	17863	20.72 ug/L		97
47) 2-Hexanone	9.54	43	44103	41.36 ug/L		92
48) Tetrachloroethene	9.39	166	19386	19.46 ug/L		87
49) 1,3-Dichloropropane	9.41	76	40356	21.61 ug/L		98

(#) = qualifier out of range (m) = manual integration
V1203357.D VW052704.M Fri May 28 11:06:21 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

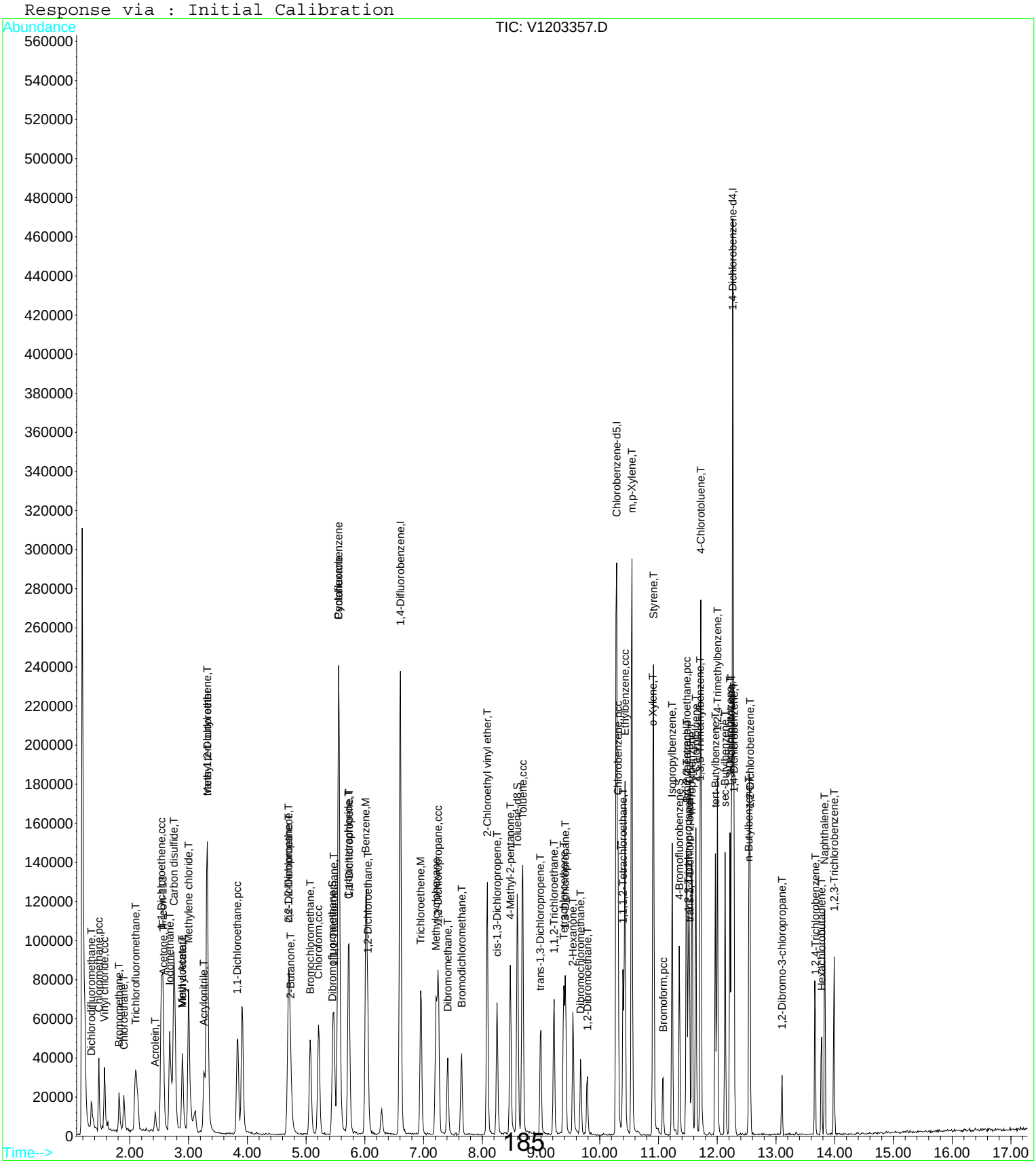
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	18755	19.32	ug/L		98
51)	1,2-Dibromoethane	9.79	107	20347	21.14	ug/L	#	96
52)	Chlorobenzene	10.31	112	64205	20.11	ug/L		95
53)	1,1,1,2-Tetrachloroethane	10.39	131	17672	19.19	ug/L		87
54)	Ethylbenzene	10.43	91	100224	20.40	ug/L		99
55)	m,p-Xylene	10.55	91	160807	43.05	ug/L		97
56)	o-Xylene	10.90	91	74453	19.82	ug/L		98
57)	Styrene	10.91	104	65202	20.61	ug/L		99
58)	Bromoform	11.08	173	13011	19.70	ug/L		99
61)	Bromobenzene	11.48	156	23053	19.23	ug/L	#	50
62)	1,1,2,2-Tetrachloroethane	11.48	83	27924	19.73	ug/L		99
63)	1,2,3-Trichloropropane	11.51	75	44130	20.00	ug/L	#	1
64)	Isopropylbenzene	11.23	105	74724	19.33	ug/L		97
65)	n-Propylbenzene	11.57	91	104156	20.65	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	3061	38.49	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	67412	20.52	ug/L		96
68)	4-Chlorotoluene	11.72	91	77132	19.99	ug/L		100
69)	1,3,5-Trimethylbenzene	11.71	105	64734	19.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	57870	20.34	ug/L		94
71)	1,2,4-Trimethylbenzene	12.00	105	70652	20.00	ug/L		91
72)	sec-Butylbenzene	12.13	105	68858	19.49	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	45002	21.11	ug/L		95
74)	4-Isopropyltoluene	12.24	119	64948	20.26	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	46029	19.48	ug/L		92
76)	1,2-Dichlorobenzene	12.56	146	44413	20.58	ug/L		96
77)	n-Butylbenzene	12.54	91	52601	19.28	ug/L		96
78)	1,2-Dibromo-3-chloropropan	13.10	75	5048	21.39	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	19237	18.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	7805	19.15	ug/L		95
81)	Naphthalene	13.83	128	64278	19.74	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	19713	19.44	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203357.D Vial: 7
Acq On : 27 May 2004 11:33 am Operator: TMP
Sample : 8260 ICAL 020 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:41 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	192935	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	294387	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	177255	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	96814	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51006	28.99	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 57.98%#				
42) Toluene-d8	8.59	98	161460	28.79	ug/L		0.00
Spiked Amount 50.000			Recovery = 57.58%				
59) 4-Bromofluorobenzene	11.35	95	45379	29.72	ug/L		0.00
Spiked Amount 50.000			Recovery = 59.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	44629	31.43	ug/L		98
3) Chloromethane	1.47	50	67808	33.16	ug/L		94
4) Vinyl chloride	1.57	62	53943	34.60	ug/L		99
5) Bromomethane	1.83	94	22183	34.08	ug/L		98
6) Chloroethane	1.90	64	32261	32.42	ug/L		99
7) Trichlorofluoromethane	2.10	101	80285	30.83	ug/L		98
8) Acrolein	2.43	56	17780	75.45	ug/L		96
9) 1,1-Dichloroethene	2.54	96	55458	33.95	ug/L		70
10) Freon-113	2.55	101	38797	30.72	µg/L		89
11) Acetone	2.57	58	15225	59.77	ug/L		57
12) Iodomethane	2.68	142	176144	67.05	ug/L		90
13) Carbon disulfide	2.75	76	369827	69.27	ug/L		100
14) Methyl Acetate	2.89	43	109044	31.93	µg/L	#	6
15) Vinyl acetate	2.89	43	109044	63.85	ug/L		88
16) Methylene chloride	3.00	84	68782	35.68	ug/L	#	75
17) Acrylonitrile	3.26	53	60965	63.68	ug/L		97
18) Methyl tert-butyl ether	3.32	73	167982	30.77	µg/L	#	86
19) trans-1,2-Dichloroethene	3.31	96	66235	33.99	ug/L		89
20) 1,1-Dichloroethane	3.83	63	125541	30.40	ug/L		98
21) 2,2-Dichloropropane	4.70	77	52664	33.04	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	63116	30.60	ug/L		90
23) 2-Butanone	4.74	72	15186	53.03	ug/L	#	17
24) Bromochloromethane	5.07	128	29556	30.80	ug/L	#	62
25) Chloroform	5.21	83	99600	29.42	ug/L		98
26) Cyclohexane	5.55	56	98315	30.05	µg/L		94
27) 1,1,1-Trichloroethane	5.47	97	74404	31.38	ug/L		96
30) 1,1-Dichloropropene	5.72	110	24125	29.77	ug/L		92
31) Carbon tetrachloride	5.72	119	52780	28.67	ug/L		96
32) Benzene	6.02	78	239346	31.27	ug/L		100
33) 1,2-Dichloroethane	6.05	62	76791	29.62	ug/L		97
34) Trichloroethene	6.95	130	49818	29.31	ug/L		90
35) Methylcyclohexane	7.21	55	48234	30.58	µg/L		95
36) 1,2-Dichloropropane	7.25	63	59047	29.54	ug/L	#	100
37) Dibromomethane	7.40	93	28230	26.72	ug/L		92
38) Bromodichloromethane	7.64	83	53868	28.38	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	99142	58.04	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	68794	29.16	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	118910	59.63	ug/L	#	90
43) Toluene	8.68	92	120755	29.86	ug/L		95
44) trans-1,3-Dichloropropene	8.99	75	53054	26.62	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	30809	27.41	ug/L		96
47) 2-Hexanone	9.54	43	72176	59.90	ug/L		86
48) Tetrachloroethene	9.39	166	35272	31.33	ug/L		89
49) 1,3-Dichloropropane	9.41	76	66615	31.65	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

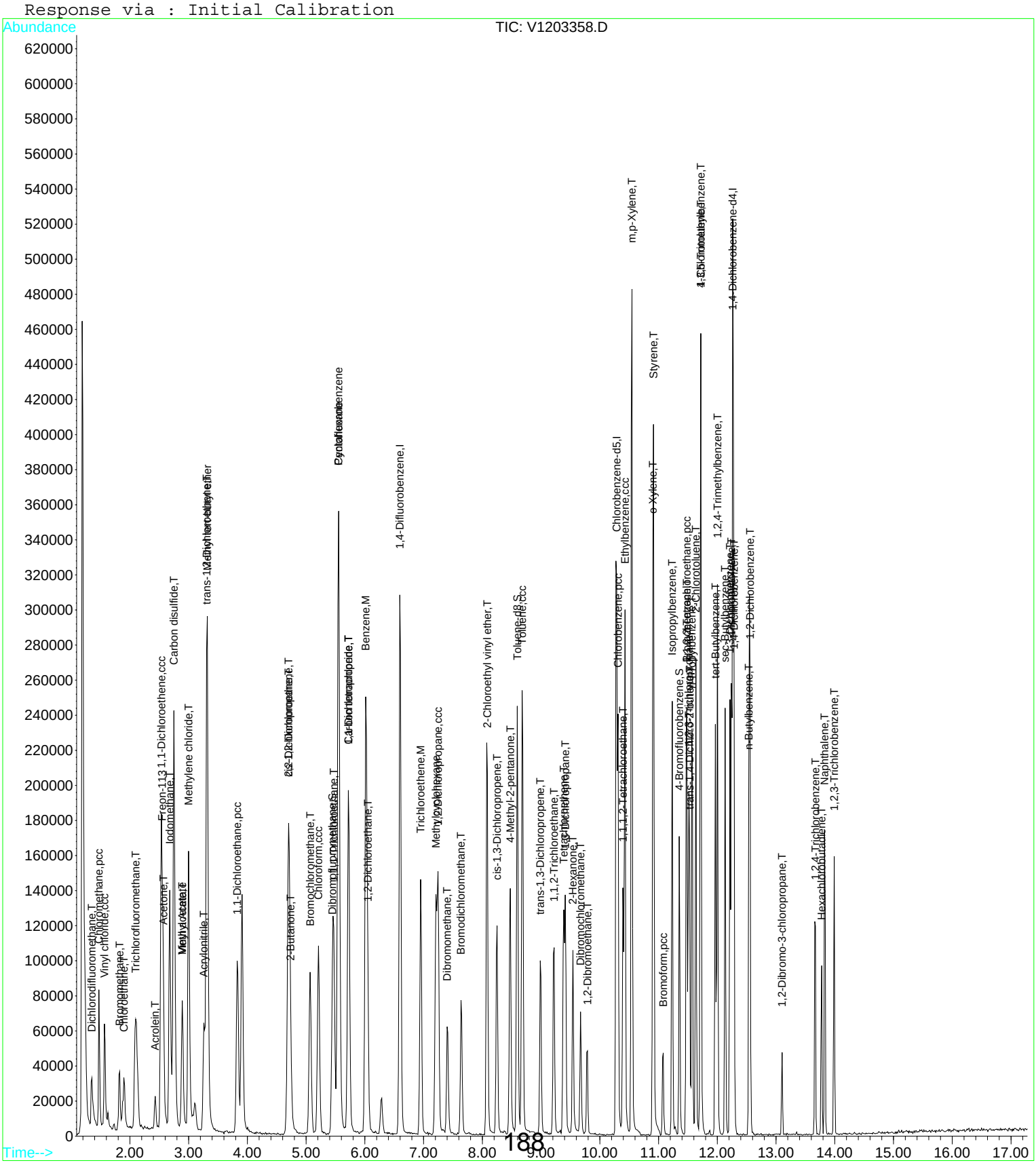
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	33196	30.26	ug/L		100
51)	1,2-Dibromoethane	9.79	107	32982	30.33	ug/L	#	99
52)	Chlorobenzene	10.31	112	106348	29.48	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	31600	30.37	ug/L		93
54)	Ethylbenzene	10.43	91	175566	31.62	ug/L		96
55)	m,p-Xylene	10.55	91	270091	63.98	ug/L		97
56)	o-Xylene	10.90	91	130247	30.68	ug/L		97
57)	Styrene	10.91	104	109633	30.66	ug/L		98
58)	Bromoform	11.08	173	22629	30.32	ug/L		98
61)	Bromobenzene	11.48	156	40238	30.82	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.48	83	45968	29.83	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	76122	31.67	ug/L	#	1
64)	Isopropylbenzene	11.23	105	130187	30.92	ug/L		99
65)	n-Propylbenzene	11.56	91	177871	32.38	ug/L		93
66)	trans-1,4-Dichloro-2-buten	11.53	124	5608	58.36	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	116240	32.49	ug/L		95
68)	4-Chlorotoluene	11.72	91	132500	31.53	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	110779	30.86	ug/L		99
70)	tert-Butylbenzene	11.97	119	95812	29.09	ug/L		92
71)	1,2,4-Trimethylbenzene	12.00	105	120180	31.24	ug/L		90
72)	sec-Butylbenzene	12.13	105	118540	30.82	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	71353	30.74	ug/L		96
74)	4-Isopropyltoluene	12.24	119	105404	30.20	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	77438	30.10	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	73434	31.25	ug/L		97
77)	n-Butylbenzene	12.54	91	94806	30.12	ug/L		97
78)	1,2-Dibromo-3-chloropropan	13.10	75	8151	31.71	ug/L		83
79)	1,2,4-Trichlorobenzene	13.67	180	34475	29.87	ug/L		95
80)	Hexachlorobutadiene	13.78	225	13452	30.30	ug/L		96
81)	Naphthalene	13.82	128	108027	28.59	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	33510	30.34	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203358.D VW052704.M Fri May 28 11:06:37 2004

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203358.D Vial: 8
Acq On : 27 May 2004 12:30 pm Operator: TMP
Sample : 8260 ICAL 030 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:42 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.56	168	170208	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	249305	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.28	117	175685	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	96954	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	69542	46.67	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 93.34%				
42) Toluene-d8	8.60	98	241314	50.81	ug/L		0.00
Spiked Amount 50.000			Recovery = 101.62%				
59) 4-Bromofluorobenzene	11.36	95	77709	51.35	ug/L		0.00
Spiked Amount 50.000			Recovery = 102.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	64815	51.75	ug/L		99
3) Chloromethane	1.47	50	87991	48.77	ug/L		96
4) Vinyl chloride	1.57	62	69735	50.70	ug/L		100
5) Bromomethane	1.82	94	23686	42.32	ug/L		97
6) Chloroethane	1.90	64	32546	37.08	ug/L		100
7) Trichlorofluoromethane	2.10	101	113552	49.43	ug/L		96
8) Acrolein	2.43	56	20992	102.17	ug/L		96
9) 1,1-Dichloroethene	2.53	96	69638	48.33	ug/L		72
10) Freon-113	2.55	101	52354	46.99	µg/L		88
11) Acetone	2.56	58	27108	132.96	ug/L	#	44
12) Iodomethane	2.68	142	219470	94.69	ug/L		88
13) Carbon disulfide	2.75	76	447933	95.10	ug/L		100
14) Methyl Acetate	2.89	43	136921	45.44	µg/L	#	7
15) Vinyl acetate	2.89	43	136921	90.89	ug/L		89
16) Methylene chloride	3.00	84	81868	50.61	ug/L	#	73
17) Acrylonitrile	3.26	53	81056	95.97	ug/L		99
18) Methyl tert-butyl ether	3.32	73	231995	48.17	µg/L	#	89
19) trans-1,2-Dichloroethene	3.31	96	82739	48.12	ug/L		92
20) 1,1-Dichloroethane	3.83	63	167814	46.06	ug/L		98
21) 2,2-Dichloropropane	4.71	77	66474	47.27	ug/L		99
22) cis-1,2-Dichloroethene	4.71	96	86985	47.80	ug/L		92
23) 2-Butanone	4.74	72	24862	98.41	ug/L	#	24
24) Bromochloromethane	5.07	128	39882	47.11	ug/L	#	64
25) Chloroform	5.21	83	134355	44.98	ug/L		100
26) Cyclohexane	5.56	56	130857	45.34	µg/L		96
27) 1,1,1-Trichloroethane	5.47	97	101291	48.43	ug/L		95
30) 1,1-Dichloropropene	5.72	110	33890	49.39	ug/L		95
31) Carbon tetrachloride	5.72	119	77815	49.92	ug/L		99
32) Benzene	6.02	78	328076	50.62	ug/L		100
33) 1,2-Dichloroethane	6.04	62	107454	48.95	ug/L		96
34) Trichloroethene	6.95	130	69691	48.42	ug/L		91
35) Methylcyclohexane	7.21	55	68874	51.56	µg/L		93
36) 1,2-Dichloropropane	7.25	63	85592	50.56	ug/L	#	100
37) Dibromomethane	7.40	93	45946	51.36	ug/L		90
38) Bromodichloromethane	7.64	83	80066	49.82	ug/L		99
39) 2-Chloroethyl vinyl ether	8.08	63	155986	107.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.26	75	107286	53.69	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	184918	109.50	ug/L		92
43) Toluene	8.68	92	180433	52.69	ug/L		96
44) trans-1,3-Dichloropropene	8.99	75	91935	49.76	ug/L		96
45) 1,1,2-Trichloroethane	9.21	83	48758	51.22	ug/L		98
47) 2-Hexanone	9.54	43	129187	108.17	ug/L		89
48) Tetrachloroethene	9.39	166	54728	49.05	ug/L		93
49) 1,3-Dichloropropane	9.41	76	103059	49.40	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203359.D VW052704.M Fri May 28 11:06:56 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

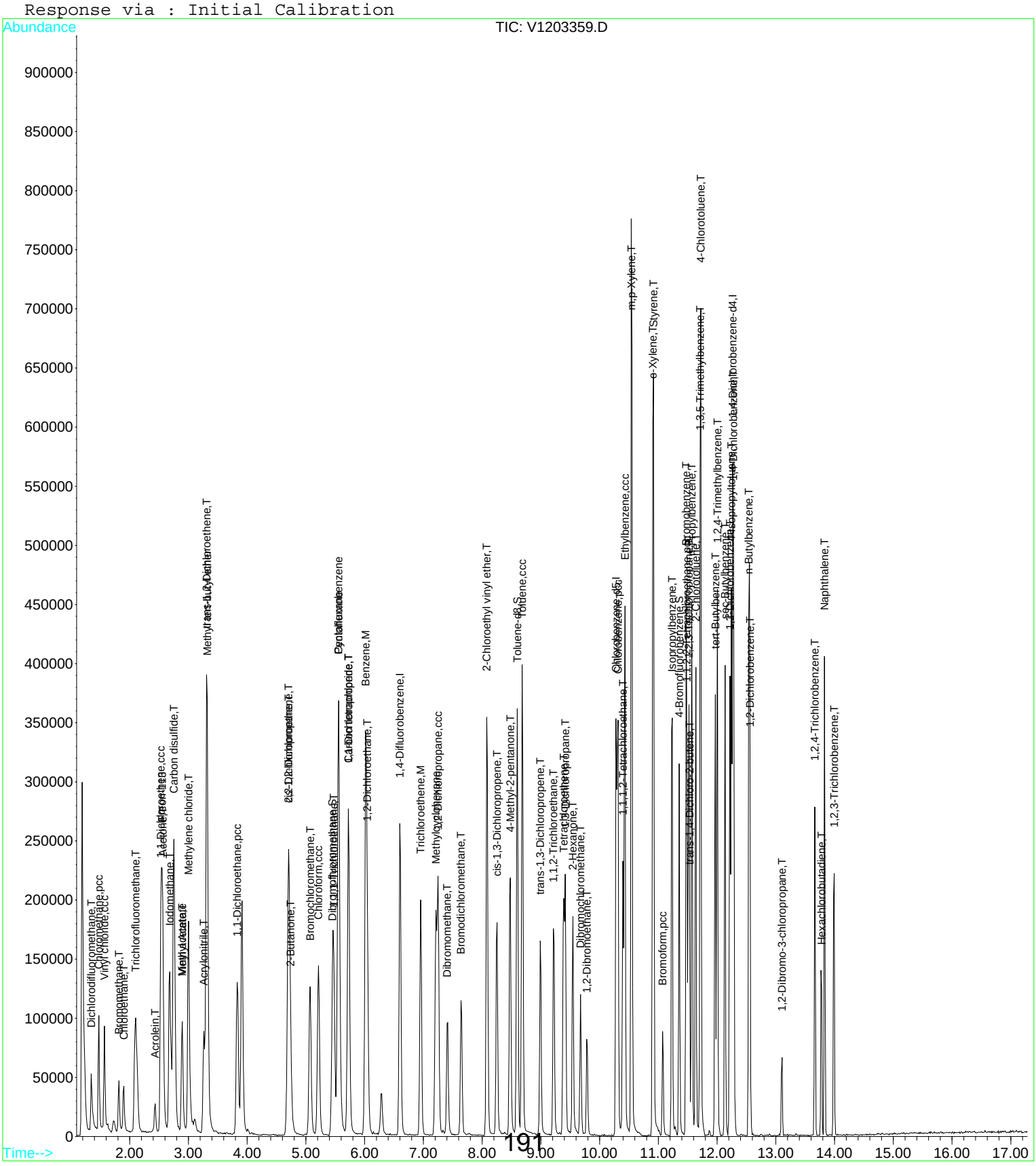
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.68	129	55605	51.14	ug/L		99
51)	1,2-Dibromoethane	9.78	107	54577	50.64	ug/L	#	98
52)	Chlorobenzene	10.31	112	170870	47.79	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.40	131	53771	52.14	ug/L		98
54)	Ethylbenzene	10.43	91	284662	51.73	ug/L		96
55)	m,p-Xylene	10.54	91	435591	104.11	ug/L		97
56)	o-Xylene	10.91	91	216466	51.44	ug/L		96
57)	Styrene	10.92	104	184881	52.16	ug/L		100
58)	Bromoform	11.07	173	36748	49.68	ug/L		98
61)	Bromobenzene	11.47	156	68396	52.31	ug/L	#	57
62)	1,1,2,2-Tetrachloroethane	11.49	83	80518	52.17	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	125218	52.03	ug/L	#	57
64)	Isopropylbenzene	11.24	105	224450	53.23	ug/L		98
65)	n-Propylbenzene	11.57	91	292276	53.13	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	10674	102.48	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	184984	51.64	ug/L		98
68)	4-Chlorotoluene	11.72	91	221134	52.55	ug/L		97
69)	1,3,5-Trimethylbenzene	11.71	105	185495	51.59	ug/L		99
70)	tert-Butylbenzene	11.97	119	169890	48.80	ug/L		94
71)	1,2,4-Trimethylbenzene	12.01	105	199406	51.77	ug/L		89
72)	sec-Butylbenzene	12.14	105	199478	51.79	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	121129	52.10	ug/L		96
74)	4-Isopropyltoluene	12.24	119	182588	52.24	ug/L		97
75)	1,4-Dichlorobenzene	12.28	146	125030	48.52	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	119032	50.58	ug/L		97
77)	n-Butylbenzene	12.54	91	159021	48.62	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.11	75	12688	49.30	ug/L		92
79)	1,2,4-Trichlorobenzene	13.66	180	60284	52.15	ug/L		98
80)	Hexachlorobutadiene	13.78	225	21968	49.41	ug/L		96
81)	Naphthalene	13.83	128	201920	50.37	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	58470	52.87	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203359.D VW052704.M Fri May 28 11:06:57 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203359.D Vial: 9
Acq On : 27 May 2004 12:55 pm Operator: TMP
Sample : 8260 ICAL 050 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	175432	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	263181	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	182883	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	103811	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.46	113	158601	100.83	ug/L		0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 201.66%#				
42) Toluene-d8	8.59	98	531917	106.08	ug/L		0.00
Spiked Amount 50.000			Recovery = 212.16%				
59) 4-Bromofluorobenzene	11.35	95	179320	113.83	ug/L		0.00
Spiked Amount 50.000			Recovery = 227.66%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	130671	101.22	ug/L		99
3) Chloromethane	1.47	50	179683	96.63	ug/L		97
4) Vinyl chloride	1.57	62	131836	93.00	ug/L		98
5) Bromomethane	1.81	94	57919	107.33	ug/L		100
6) Chloroethane	1.90	64	49814	55.06	ug/L		97
7) Trichlorofluoromethane	2.10	101	250953	105.98	ug/L		95
8) Acrolein	2.43	56	41395	198.70	ug/L		99
9) 1,1-Dichloroethene	2.54	96	145451	97.93	ug/L		69
10) Freon-113	2.55	101	106884	93.08	µg/L		89
11) Acetone	2.57	58	39442	192.68	ug/L	#	31
12) Iodomethane	2.68	142	461524	193.20	ug/L		86
13) Carbon disulfide	2.75	76	922407	189.99	ug/L		100
14) Methyl Acetate	2.89	43	274297	88.33	µg/L	#	7
15) Vinyl acetate	2.89	43	274297	176.65	ug/L		90
16) Methylene chloride	3.00	84	160199	102.46	ug/L	#	72
17) Acrylonitrile	3.27	53	163317	187.61	ug/L		99
18) Methyl tert-butyl ether	3.32	73	503542	101.45	µg/L		93
19) trans-1,2-Dichloroethene	3.32	96	167396	94.47	ug/L		87
20) 1,1-Dichloroethane	3.84	63	362811	96.61	ug/L		98
21) 2,2-Dichloropropane	4.70	77	142244	98.13	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	190910	101.78	ug/L		92
23) 2-Butanone	4.74	72	49008	188.22	ug/L	#	36
24) Bromochloromethane	5.07	128	81681	93.61	ug/L	#	58
25) Chloroform	5.21	83	283504	92.09	ug/L		97
26) Cyclohexane	5.57	56	287930	96.79	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	213528	99.06	ug/L		94
30) 1,1-Dichloropropene	5.73	110	73586	101.59	ug/L		94
31) Carbon tetrachloride	5.72	119	175985	106.94	ug/L		99
32) Benzene	6.03	78	704963	103.03	ug/L		100
33) 1,2-Dichloroethane	6.05	62	231764	100.00	ug/L		98
34) Trichloroethene	6.95	130	153037	100.71	ug/L		90
35) Methylcyclohexane	7.21	55	155744	110.44	µg/L		94
36) 1,2-Dichloropropane	7.25	63	182011	101.85	ug/L	#	100
37) Dibromomethane	7.41	93	95794	101.44	ug/L		91
38) Bromodichloromethane	7.65	83	172725	101.80	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	341820	223.82	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	232224	110.09	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	393317	220.63	ug/L		93
43) Toluene	8.69	92	384530	106.36	ug/L		96
44) trans-1,3-Dichloropropene	9.00	75	200733	98.10	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	104324	103.82	ug/L		99
47) 2-Hexanone	9.54	43	265078	213.23	ug/L		91
48) Tetrachloroethene	9.39	166	118836	102.32	ug/L		90
49) 1,3-Dichloropropane	9.41	76	230012	105.91	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

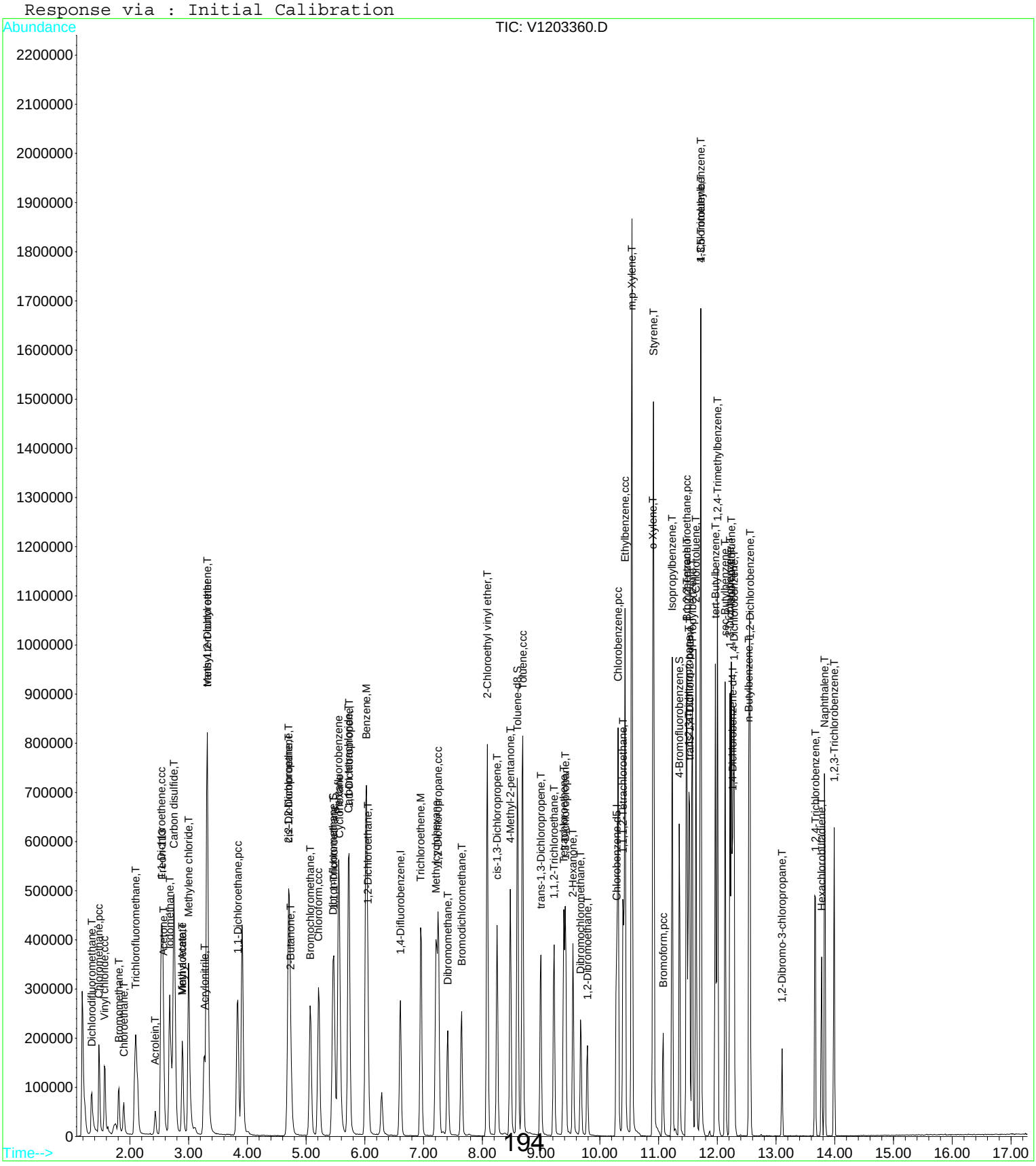
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	119913	105.95	ug/L		95
51)	1,2-Dibromoethane	9.79	107	117901	105.08	ug/L	#	98
52)	Chlorobenzene	10.31	112	377376	101.40	ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	118972	110.82	ug/L		94
54)	Ethylbenzene	10.43	91	627127	109.48	ug/L		97
55)	m,p-Xylene	10.55	91	966264	221.85	ug/L		95
56)	o-Xylene	10.90	91	479059	109.36	ug/L		97
57)	Styrene	10.91	104	394184	106.84	ug/L		98
58)	Bromoform	11.08	173	84114	109.25	ug/L		99
61)	Bromobenzene	11.48	156	151617	108.29	ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	168918	102.22	ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	279832	108.59	ug/L	#	1
64)	Isopropylbenzene	11.23	105	497102	110.10	ug/L		100
65)	n-Propylbenzene	11.58	91	648514	110.11	ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	22704	194.34	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	416987	108.71	ug/L		98
68)	4-Chlorotoluene	11.72	91	487050	108.09	ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	422094	109.64	ug/L		100
70)	tert-Butylbenzene	11.97	119	383859	99.07	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	447246	108.44	ug/L		89
72)	sec-Butylbenzene	12.13	105	456059	110.58	ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	258853	103.99	ug/L		96
74)	4-Isopropyltoluene	12.24	119	408641	109.19	ug/L		98
75)	1,4-Dichlorobenzene	12.29	146	275915	100.01	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	262478	104.16	ug/L		95
77)	n-Butylbenzene	12.53	91	364589	100.99	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	30042	109.01	ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	136338	110.16	ug/L		94
80)	Hexachlorobutadiene	13.78	225	50565	106.22	ug/L		99
81)	Naphthalene	13.82	128	448359	100.75	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	132950	112.27	ug/L		96

(#) = qualifier out of range (m) = manual integration
V1203360.D VW052704.M Fri May 28 11:07:12 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203360.D Vial: 10
Acq On : 27 May 2004 1:20 pm Operator: TMP
Sample : 8260 ICAL 100 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	194113	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	287093	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	203665	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	115167	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	251118	169.57	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 339.14%#				
42) Toluene-d8	8.59	98	847124	144.38	ug/L		0.00
Spiked Amount 50.000			Recovery = 288.76%				
59) 4-Bromofluorobenzene	11.35	95	293196	159.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 319.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	220401	121.26	ug/L		99
3) Chloromethane	1.47	50	282372	83.26	ug/L		97
4) Vinyl chloride	1.57	62	210888	80.04	ug/L		99
5) Bromomethane	1.80	94	103773	94.11	ug/L		99
6) Chloroethane	1.89	64	92023	63.72	ug/L		97
7) Trichlorofluoromethane	2.10	101	412302	192.53	ug/L		97
8) Acrolein	2.43	56	55915	226.73	ug/L		99
9) 1,1-Dichloroethene	2.52	96	223123	125.92	ug/L	#	66
10) Freon-113	2.55	101	169043	119.71	µg/L	#	89
11) Acetone	2.57	58	67865	254.95	ug/L	#	20
12) Iodomethane	2.68	142	745470	294.69	ug/L	#	82
13) Carbon disulfide	2.75	76	1392310	239.79	ug/L		100
14) Methyl Acetate	2.89	43	416051	181.09	µg/L	#	8
15) Vinyl acetate	2.89	43	416051	362.16	ug/L		91
16) Methylene chloride	3.00	84	265718	126.42	ug/L		79
17) Acrylonitrile	3.26	53	249843	204.55	ug/L		98
18) Methyl tert-butyl ether	3.32	73	815759	119.40	µg/L		95
19) trans-1,2-Dichloroethene	3.31	96	266680	126.47	ug/L		88
20) 1,1-Dichloroethane	3.83	63	596508	139.59	ug/L		99
21) 2,2-Dichloropropane	4.70	77	238644	127.76	ug/L		96
22) cis-1,2-Dichloroethene	4.70	96	321475	141.33	ug/L		92
23) 2-Butanone	4.74	72	87460	296.95	ug/L	#	44
24) Bromochloromethane	5.07	128	139379	142.27	ug/L	#	65
25) Chloroform	5.21	83	474108	145.01	ug/L		100
26) Cyclohexane	5.55	56	469650	105.02	µg/L		98
27) 1,1,1-Trichloroethane	5.47	97	368827	149.01	ug/L		95
30) 1,1-Dichloropropene	5.73	110	126511	149.32	ug/L		97
31) Carbon tetrachloride	5.72	119	297817	167.09	ug/L		100
32) Benzene	6.02	78	1149342	141.60	ug/L		100
33) 1,2-Dichloroethane	6.05	62	378870	154.13	ug/L		97
34) Trichloroethene	6.95	130	267669	146.69	ug/L		92
35) Methylcyclohexane	7.21	55	256482	118.95	µg/L		94
36) 1,2-Dichloropropane	7.25	63	296594	135.45	ug/L	#	100
37) Dibromomethane	7.41	93	154334	154.82	ug/L		92
38) Bromodichloromethane	7.65	83	294974	146.83	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	550581	261.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	392102	138.87	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	634759	269.73	ug/L		94
43) Toluene	8.69	92	628207	140.79	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	339045	136.18	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	170389	131.29	ug/L		98
47) 2-Hexanone	9.54	43	452183	308.49	ug/L		90
48) Tetrachloroethene	9.39	166	201549	153.03	ug/L		94
49) 1,3-Dichloropropane	9.42	76	377460	148.49	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203361.D VW052704.M Fri May 28 11:07:36 2004 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Tue May 25 10:09:21 2004
Response via : Initial Calibration
DataAcq Meth : 8260

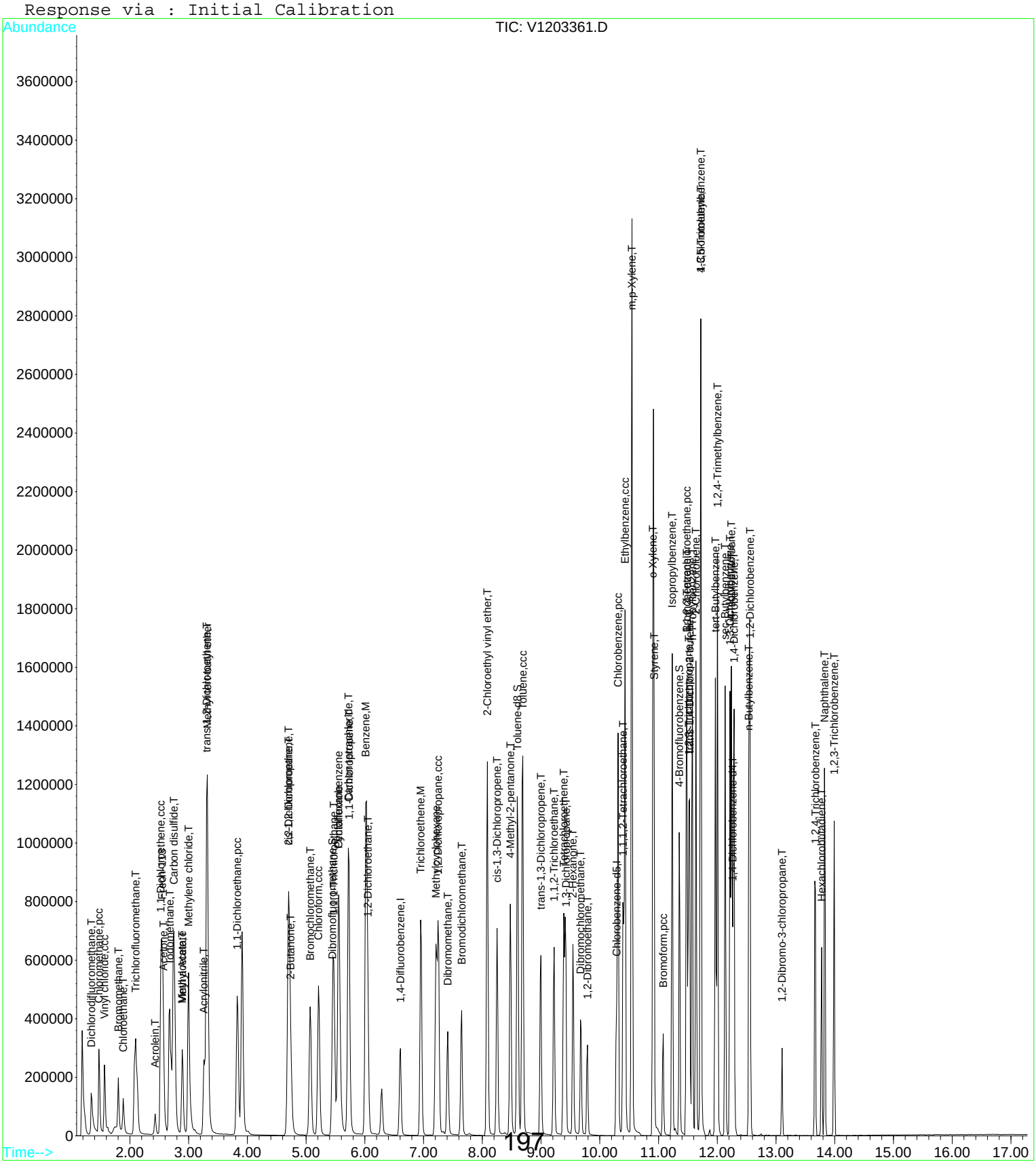
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	Dibromochloromethane	9.67	129	202378	166.33 ug/L		94
51)	1,2-Dibromoethane	9.79	107	197226	145.69 ug/L	#	100
52)	Chlorobenzene	10.31	112	617098	152.79 ug/L		98
53)	1,1,1,2-Tetrachloroethane	10.39	131	204471	158.70 ug/L		98
54)	Ethylbenzene	10.43	91	1057209	160.07 ug/L		96
55)	m,p-Xylene	10.55	91	1591596	318.74 ug/L		95
56)	o-Xylene	10.90	91	802552	156.66 ug/L		94
57)	Styrene	10.93	104	653778	143.55 ug/L		96
58)	Bromoform	11.08	173	146721	176.78 ug/L		98
61)	Bromobenzene	11.48	156	249054	139.64 ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	254610	131.26 ug/L		100
63)	1,2,3-Trichloropropane	11.52	75	468417	125.33 ug/L	#	1
64)	Isopropylbenzene	11.23	105	846215	119.46 ug/L		99
65)	n-Propylbenzene	11.58	91	1081903	132.15 ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	39099	239.39 ug/L	#	100
67)	2-Chlorotoluene	11.64	91	697559	135.70 ug/L		95
68)	4-Chlorotoluene	11.72	91	812515	138.80 ug/L		95
69)	1,3,5-Trimethylbenzene	11.72	105	700772	124.51 ug/L		97
70)	tert-Butylbenzene	11.97	119	651628	133.80 ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	759078	127.94 ug/L		90
72)	sec-Butylbenzene	12.13	105	779538	122.86 ug/L		100
73)	1,3-Dichlorobenzene	12.22	146	423200	130.40 ug/L		95
74)	4-Isopropyltoluene	12.24	119	686127	137.01 ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	462417	133.98 ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	428082	133.21 ug/L		96
77)	n-Butylbenzene	12.54	91	613260	140.76 ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	51262	142.19 ug/L		89
79)	1,2,4-Trichlorobenzene	13.67	180	240989	146.98 ug/L		96
80)	Hexachlorobutadiene	13.78	225	87213	139.22 ug/L		98
81)	Naphthalene	13.83	128	752043	134.22 ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	221655	142.92 ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203361.D Vial: 11
Acq On : 27 May 2004 1:45 pm Operator: TMP
Sample : 8260 ICAL 150 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 14:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	210108	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	306958	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	217112	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	122961	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	366024	199.52	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 399.04%#				
42) Toluene-d8	8.60	98	1217413	208.17	ug/L		0.00
Spiked Amount 50.000			Recovery = 416.34%				
59) 4-Bromofluorobenzene	11.35	95	433024	231.54	ug/L		0.00
Spiked Amount 50.000			Recovery = 463.08%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	320667	207.40	ug/L		98
3) Chloromethane	1.47	50	399398	179.34	ug/L		94
4) Vinyl chloride	1.57	62	300508	176.99	ug/L		99
5) Bromomethane	1.79	94	125159	197.72	ug/L		99
6) Chloroethane	1.89	64	155374	143.38	ug/L		97
7) Trichlorofluoromethane	2.09	101	586103	206.66	ug/L		97
8) Acrolein	2.43	56	68060	274.10	ug/L		99
9) 1,1-Dichloroethene	2.53	96	283803	159.55	ug/L	#	55
10) Freon-113	2.55	101	223432	162.47	µg/L	#	88
11) Acetone	2.57	58	94677	398.35	ug/L	#	1
12) Iodomethane	2.67	142	1010703	353.26	ug/L	#	79
13) Carbon disulfide	2.74	76	1811302	311.51	ug/L		100
14) Methyl Acetate	2.89	43	558319	150.11	µg/L	#	8
15) Vinyl acetate	2.89	43	558452	300.29	ug/L		93
16) Methylene chloride	3.00	84	349794	192.64	ug/L		79
17) Acrylonitrile	3.26	53	336550	322.80	ug/L		99
18) Methyl tert-butyl ether	3.32	73	1158976	194.96	µg/L		98
19) trans-1,2-Dichloroethene	3.31	96	358893	169.11	ug/L		86
20) 1,1-Dichloroethane	3.83	63	860029	191.21	ug/L		98
21) 2,2-Dichloropropane	4.70	77	346467	199.57	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	467026	207.89	ug/L		93
23) 2-Butanone	4.74	72	134348	430.81	ug/L	#	49
24) Bromochloromethane	5.07	128	203917	195.13	ug/L	#	67
25) Chloroform	5.21	83	690615	187.31	ug/L		100
26) Cyclohexane	5.55	56	682016	191.43	µg/L		99
27) 1,1,1-Trichloroethane	5.47	97	536053	207.63	ug/L		96
30) 1,1-Dichloropropene	5.72	110	176755	209.21	ug/L		93
31) Carbon tetrachloride	5.72	119	447959	233.38	ug/L		99
32) Benzene	6.02	78	1643734	205.97	ug/L		99
33) 1,2-Dichloroethane	6.05	62	556244	205.78	ug/L		98
34) Trichloroethene	6.95	130	394534	222.61	ug/L		93
35) Methylcyclohexane	7.21	55	368483	224.04	µg/L		94
36) 1,2-Dichloropropane	7.25	63	417591	200.34	ug/L	#	100
37) Dibromomethane	7.41	93	227564	206.61	ug/L		90
38) Bromodichloromethane	7.65	83	429244	216.91	ug/L		98
39) 2-Chloroethyl vinyl ether	8.09	63	777793	436.66	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	559807	227.55	ug/L		99
41) 4-Methyl-2-pentanone	8.48	43	888510	427.33	ug/L		95
43) Toluene	8.69	92	888065	210.61	ug/L		97
44) trans-1,3-Dichloropropene	9.00	75	493441	201.76	ug/L		98
45) 1,1,2-Trichloroethane	9.22	83	246320	210.18	ug/L		96
47) 2-Hexanone	9.54	43	647960	439.04	ug/L		91
48) Tetrachloroethene	9.39	166	279881	202.99	ug/L		93
49) 1,3-Dichloropropane	9.41	76	534333	207.24	ug/L		99

(#) = qualifier out of range (m) = manual integration
V1203362.D VW052704.M Fri May 28 11:07:49 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

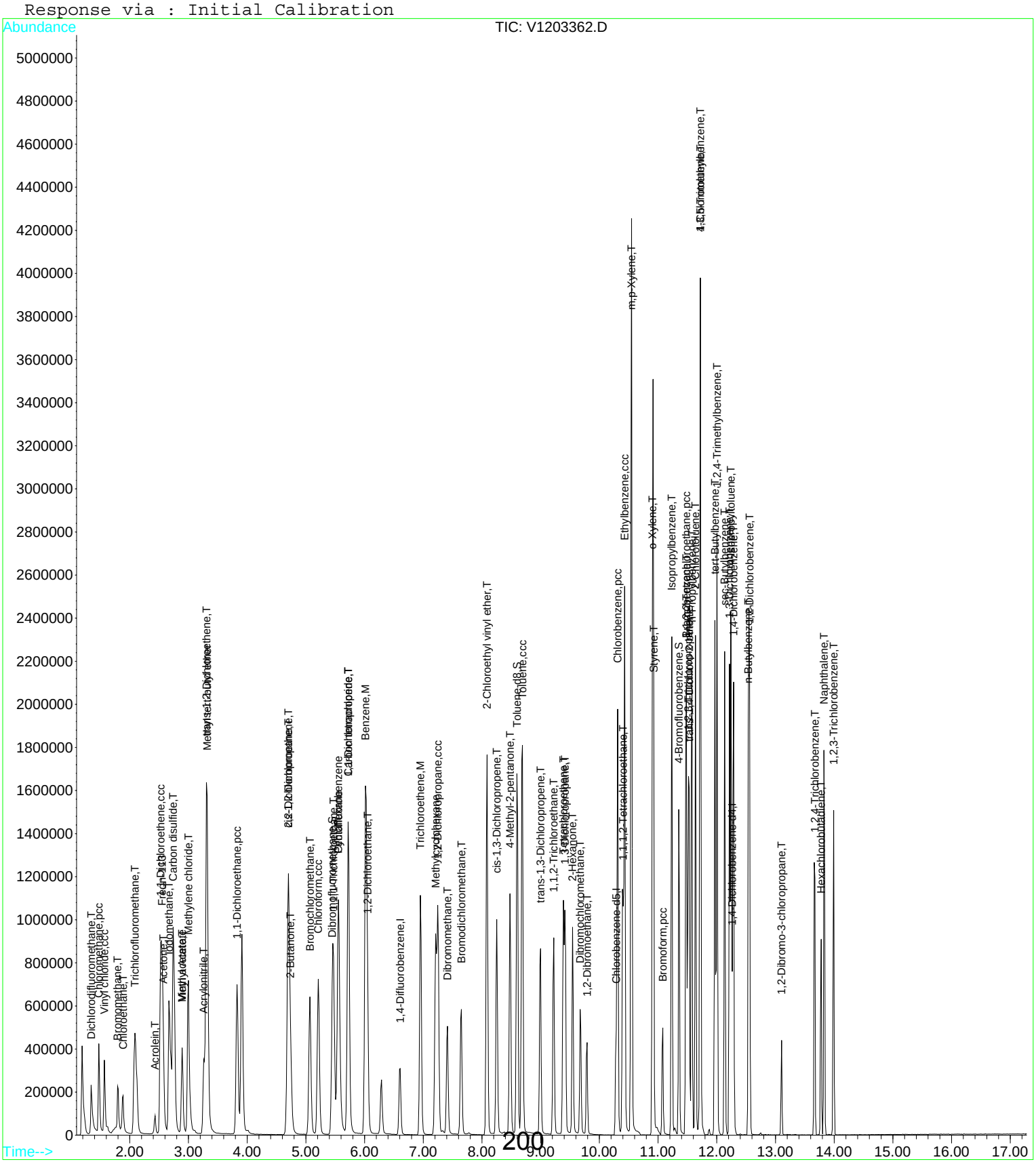
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
50)	Dibromochloromethane	9.67	129	292400	217.63 ug/L		96
51)	1,2-Dibromoethane	9.79	107	287321	215.71 ug/L	#	99
52)	Chlorobenzene	10.31	112	877577	198.62 ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.41	131	301371	236.47 ug/L		99
54)	Ethylbenzene	10.43	91	1502586	220.95 ug/L		95
55)	m,p-Xylene	10.55	91	2222442	429.82 ug/L		93
56)	o-Xylene	10.90	91	1140613	219.32 ug/L		94
57)	Styrene	10.93	104	910596	207.89 ug/L		93
58)	Bromoform	11.08	173	215408	235.67 ug/L		97
61)	Bromobenzene	11.48	156	354061	213.50 ug/L	#	79
62)	1,1,2,2-Tetrachloroethane	11.48	83	332530	169.89 ug/L		99
63)	1,2,3-Trichloropropane	11.52	75	666796	218.46 ug/L	#	1
64)	Isopropylbenzene	11.23	105	1208016	225.89 ug/L		99
65)	n-Propylbenzene	11.58	91	1553035	222.61 ug/L		94
66)	trans-1,4-Dichloro-2-buten	11.53	124	57542	405.15 ug/L	#	100
67)	2-Chlorotoluene	11.64	91	990141	217.93 ug/L		96
68)	4-Chlorotoluene	11.72	91	1165089	218.30 ug/L		92
69)	1,3,5-Trimethylbenzene	11.72	105	989213	216.94 ug/L		98
70)	tert-Butylbenzene	11.97	119	939730	201.01 ug/L		90
71)	1,2,4-Trimethylbenzene	12.00	105	1081204	221.31 ug/L		92
72)	sec-Butylbenzene	12.13	105	1114256	228.09 ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	615190	208.65 ug/L		96
74)	4-Isopropyltoluene	12.24	119	988984	223.10 ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	636444	194.76 ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	603629	202.24 ug/L		95
77)	n-Butylbenzene	12.54	91	860854	198.61 ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	73334	224.66 ug/L		92
79)	1,2,4-Trichlorobenzene	13.67	180	340041	231.96 ug/L		96
80)	Hexachlorobutadiene	13.78	225	129848	230.29 ug/L		100
81)	Naphthalene	13.83	128	1069181	199.35 ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	317800	226.57 ug/L		98

(#) = qualifier out of range (m) = manual integration
V1203362.D VW052704.M Fri May 28 11:07:50 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203362.D Vial: 12
Acq On : 27 May 2004 2:10 pm Operator: TMP
Sample : 8260 ICAL 200 W Inst : GC/MS 12
Misc : ICAL 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 27 15:44 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	201489	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	300401	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	204560	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	112683	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	87707	48.85	ug/L		0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 97.70%				
42) Toluene-d8	8.60	98	306261	53.51	ug/L		0.00
Spiked Amount 50.000			Recovery = 107.02%				
59) 4-Bromofluorobenzene	11.35	95	103453	58.71	ug/L		0.00
Spiked Amount 50.000			Recovery = 117.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.34	85	76725	51.75	ug/L		99
3) Chloromethane	1.47	50	93505	43.78	ug/L		96
4) Vinyl chloride	1.57	62	75750	46.52	ug/L		98
5) Bromomethane	1.82	94	27654	41.66	ug/L		99
6) Chloroethane	1.90	64	36239	34.87	ug/L		98
7) Trichlorofluoromethane	2.10	101	145763	53.60	ug/L		99
8) Acrolein	2.43	56	20706	84.54	ug/L		96
9) 1,1-Dichloroethene	2.54	96	81002	47.49	ug/L	#	67
10) Freon-113	2.55	101	62705	47.55	µg/L		91
11) Acetone	2.56	58	40948	173.00	ug/L	#	37
12) Iodomethane	2.68	142	261147	95.18	ug/L		86
13) Carbon disulfide	2.75	76	520461	93.34	ug/L		100
14) Methyl Acetate	2.89	43	134797	37.79	µg/L	#	7
15) Vinyl acetate	2.89	43	134797	75.58	ug/L		90
16) Methylene chloride	3.00	84	88212	45.43	ug/L	#	74
17) Acrylonitrile	3.26	53	79777	79.79	ug/L		99
18) Methyl tert-butyl ether	3.32	73	258623	45.37	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	92368	45.38	ug/L		88
20) 1,1-Dichloroethane	3.83	63	195497	45.32	ug/L		99
21) 2,2-Dichloropropane	4.70	77	92072	55.30	ug/L		98
22) cis-1,2-Dichloroethene	4.70	96	105851	49.13	ug/L		94
23) 2-Butanone	4.74	72	37403	125.07	ug/L	#	32
24) Bromochloromethane	5.07	128	46112	46.01	ug/L	#	62
25) Chloroform	5.21	83	154164	43.60	ug/L		98
26) Cyclohexane	5.55	56	166711	48.79	µg/L		97
27) 1,1,1-Trichloroethane	5.47	97	126250	50.99	ug/L		95
30) 1,1-Dichloropropene	5.72	110	44168	53.42	ug/L		96
31) Carbon tetrachloride	5.72	119	96204	51.21	ug/L		97
32) Benzene	6.02	78	386050	49.43	ug/L		99
33) 1,2-Dichloroethane	6.05	62	121934	46.09	ug/L		98
34) Trichloroethene	6.95	130	88006	50.74	ug/L		94
35) Methylcyclohexane	7.21	55	91291	56.72	µg/L		95
36) 1,2-Dichloropropane	7.25	63	94245	46.20	ug/L	#	100
37) Dibromomethane	7.41	93	50198	46.57	ug/L		89
38) Bromodichloromethane	7.65	83	93234	48.14	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	171012	98.10	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	124200	51.59	ug/L		97
41) 4-Methyl-2-pentanone	8.48	43	207775	102.11	ug/L		93
43) Toluene	8.68	92	206840	50.12	ug/L		98
44) trans-1,3-Dichloropropene	9.00	75	103459	46.77	ug/L		97
45) 1,1,2-Trichloroethane	9.22	83	52890	46.11	ug/L		99
47) 2-Hexanone	9.54	43	184202	132.47	ug/L		89
48) Tetrachloroethene	9.39	166	66451	51.15	ug/L		91
49) 1,3-Dichloropropane	9.41	76	120175	49.47	ug/L		97

(#) = qualifier out of range (m) = manual integration
V1203366.D VW052704.M Fri May 28 11:08:14 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration
DataAcq Meth : 8260

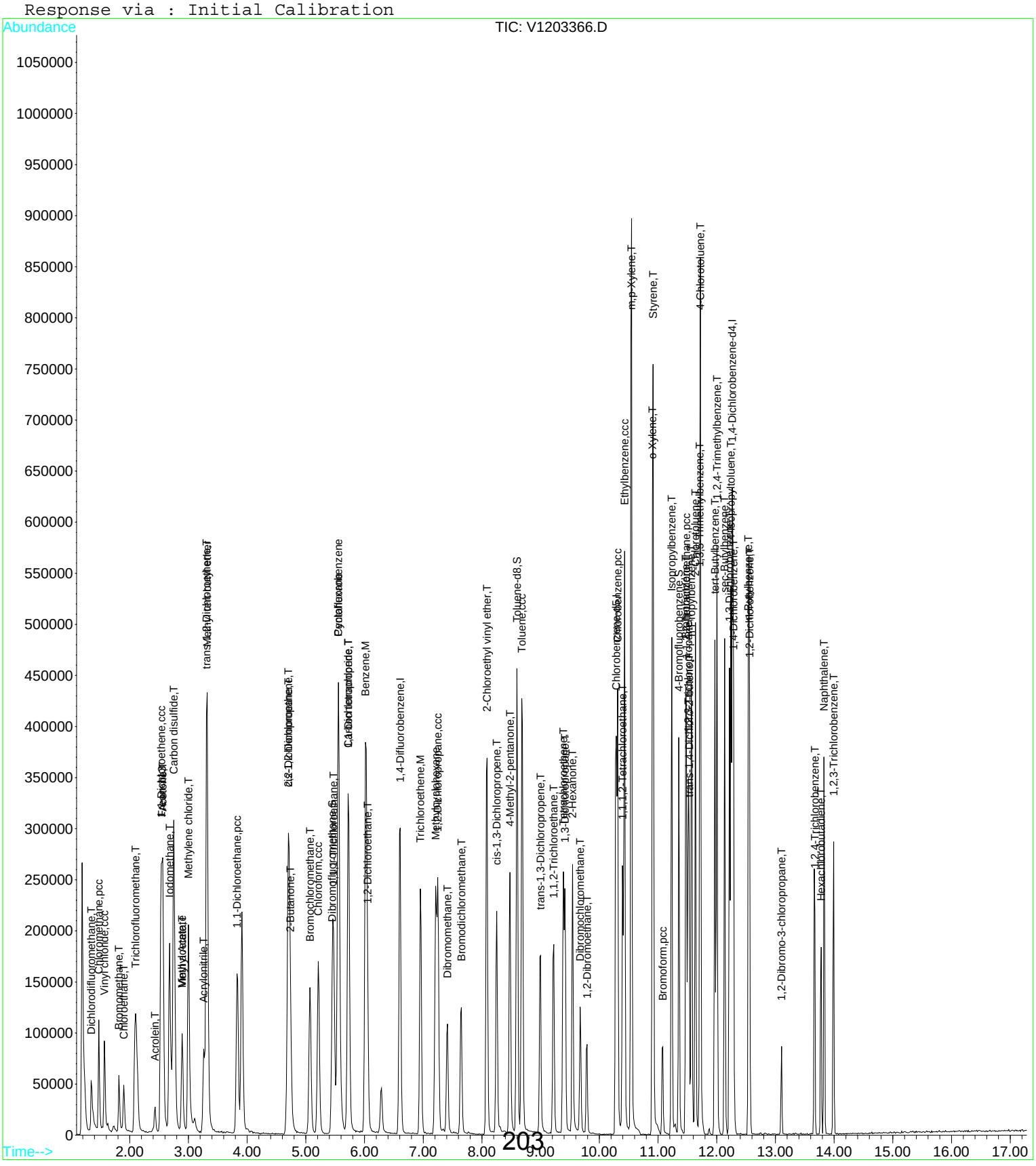
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	60302	47.64	ug/L		99
51)	1,2-Dibromoethane	9.79	107	60472	48.19	ug/L	#	98
52)	Chlorobenzene	10.31	112	199386	47.90	ug/L		97
53)	1,1,1,2-Tetrachloroethane	10.39	131	58442	48.67	ug/L		92
54)	Ethylbenzene	10.43	91	332996	51.97	ug/L		96
55)	m,p-Xylene	10.55	91	516037	105.92	ug/L		97
56)	o-Xylene	10.90	91	251263	51.28	ug/L		96
57)	Styrene	10.92	104	201074	48.72	ug/L		99
58)	Bromoform	11.08	173	41743	48.47	ug/L		96
61)	Bromobenzene	11.47	156	78823	51.86	ug/L	#	61
62)	1,1,2,2-Tetrachloroethane	11.48	83	78984	44.03	ug/L		98
63)	1,2,3-Trichloropropane	11.52	75	135464	48.43	ug/L	#	58
64)	Isopropylbenzene	11.23	105	264884	54.05	ug/L		99
65)	n-Propylbenzene	11.57	91	344839	53.94	ug/L		95
66)	trans-1,4-Dichloro-2-buten	11.53	124	11978	99.27	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	215671	51.80	ug/L		97
68)	4-Chlorotoluene	11.72	91	252215	51.57	ug/L		95
69)	1,3,5-Trimethylbenzene	11.71	105	216070	51.71	ug/L		98
70)	tert-Butylbenzene	11.97	119	197091	48.72	ug/L		91
71)	1,2,4-Trimethylbenzene	12.00	105	226973	50.70	ug/L		89
72)	sec-Butylbenzene	12.13	105	239211	53.43	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	133055	49.24	ug/L		97
74)	4-Isopropyltoluene	12.24	119	210422	51.80	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	142241	47.50	ug/L		95
76)	1,2-Dichlorobenzene	12.56	146	132416	48.41	ug/L		96
77)	n-Butylbenzene	12.54	91	191969	50.39	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	15280	51.08	ug/L		84
79)	1,2,4-Trichlorobenzene	13.67	180	67975	50.60	ug/L		94
80)	Hexachlorobutadiene	13.78	225	26965	52.18	ug/L		96
81)	Naphthalene	13.83	128	211912	45.82	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	62631	48.72	ug/L		98

(#) = qualifier out of range (m) = manual integration
V1203366.D VW052704.M Fri May 28 11:08:15 2004 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: May 28 10:43 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	118	0.00
2	T	Dichlorodifluoromethane	0.368	0.381	-3.5	118	0.00
3	pcc	Chloromethane	0.530	0.464	12.5	106	0.00
4	ccc	Vinyl chloride	0.404	0.376	6.9	109	0.00
5	T	Bromomethane	0.186	0.137	26.3#	117	0.02
6	T	Chloroethane	0.258	0.180	30.2#	111	0.01
7	T	Trichlorofluoromethane	0.675	0.723	-7.1	128	0.01
8	T	Acrolein	0.064	0.051	20.3	99	0.00
9	ccc	1,1-Dichloroethene	0.423	0.402	5.0	116	0.01
10		Freon-113	0.327	0.311	4.9	120	0.00
11	T	Acetone	0.072	0.102	-41.7#	0#	-0.01
12	T	Iodomethane	0.681	0.648	4.8	119	0.01
13	T	Carbon disulfide	1.384	1.292	6.6	116	0.01
14		Methyl Acetate	0.885	0.669	24.4	98	0.00
15	T	Vinyl acetate	0.443	0.335	24.4	98	0.00
16	T	Methylene chloride	0.616	0.438	28.9#	108	0.00
17	T	Acrylonitrile	0.248	0.198	20.2	98	0.00
18		Methyl tert-butyl ether	1.415	1.284	9.3	111	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.458	9.3	112	0.00
20	pcc	1,1-Dichloroethane	1.070	0.970	9.3	116	0.00
21	T	2,2-Dichloropropane	0.413	0.457	-10.7	139	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.525	1.9	122	0.00
23	T	2-Butanone	0.074	0.093	-25.7#	150#	0.00
24	T	Bromochloromethane	0.249	0.229	8.0	116	0.00
25	ccc	Chloroform	0.877	0.765	12.8	115	0.00
26		Cyclohexane	0.848	0.827	2.5	127	0.00
27	T	1,1,1-Trichloroethane	0.614	0.627	-2.1	125	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	120	0.00
29	S	Dibromofluoromethane	0.299	0.292	2.3	126	0.00
30	T	1,1-Dichloropropene	0.138	0.147	-6.5	130	0.00
31	T	Carbon tetrachloride	0.313	0.320	-2.2	124	0.00
32	M	Benzene	1.300	1.285	1.2	118	0.00
33	T	1,2-Dichloroethane	0.440	0.406	7.7	113	0.00
34	M	Trichloroethene	0.289	0.293	-1.4	126	0.00
35		Methylcyclohexane	0.268	0.304	-13.4	133	0.00
36	ccc	1,2-Dichloropropane	0.340	0.314	7.6	110	0.00
37	T	Dibromomethane	0.179	0.167	6.7	109	0.00
38	T	Bromodichloromethane	0.322	0.310	3.7	116	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.285	1.7	110	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.413	-3.0	116	0.00
41	T	4-Methyl-2-pentanone	0.339	0.346	-2.1	112	0.00
42	S	Toluene-d8	0.953	1.020	-7.0	127	0.00
43	ccc	Toluene	0.687	0.689	-0.3	115	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.344	-2.7	113	0.00
45	T	1,1,2-Trichloroethane	0.191	0.176	7.9	108	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
47	T	2-Hexanone	0.340	0.450	-32.4#	143	0.00
48	T	Tetrachloroethene	0.318	0.325	-2.2	121	0.00
49	T	1,3-Dichloropropane	0.594	0.587	1.2	117	0.00
50	T	Dibromochloromethane	0.309	0.295	4.5	108	0.00
51	T	1,2-Dibromoethane	0.307	0.296	3.6	111	0.00
52	pcc	Chlorobenzene	1.018	0.975	4.2	117	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.286	2.7	109	-0.01
54	ccc	Ethylbenzene	1.566	1.628	-4.0	117	0.00
55	T	m,p-Xylene	1.191	1.261	-5.9	118	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\052704\V1203366.D Vial: 16
Acq On : 27 May 2004 4:30 pm Operator: TMP
Sample : 8260 ICV 050 W Inst : GC/MS 12
Misc : ICV 8260B W CLP Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu May 27 15:25:35 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.228	-2.5	116	0.00
57	T	Styrene	1.009	0.983	2.6	109	-0.01
58	pcc	Bromoform	0.211	0.204	3.3	114	0.00
59	S	4-Bromofluorobenzene	0.431	0.506	-17.4	133	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00
61	T	Bromobenzene	0.674	0.700	-3.9	115	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.701	11.9	98	0.00
63	T	1,2,3-Trichloropropane	1.241	1.202	3.1	108	0.00
64	T	Isopropylbenzene	2.175	2.351	-8.1	118	0.00
65	T	n-Propylbenzene	2.837	3.060	-7.9	118	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.053	-10.4	112	0.00
67	T	2-Chlorotoluene	1.847	1.914	-3.6	117	0.00
68	T	4-Chlorotoluene	2.170	2.238	-3.1	114	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.918	-3.5	116	-0.01
70	T	tert-Butylbenzene	1.653	1.749	-5.8	116	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.014	-1.4	114	0.00
72	T	sec-Butylbenzene	1.987	2.123	-6.8	120	0.00
73	T	1,3-Dichlorobenzene	1.199	1.181	1.5	110	0.00
74	T	4-Isopropyltoluene	1.803	1.867	-3.5	115	0.00
75	T	1,4-Dichlorobenzene	1.329	1.262	5.0	114	0.00
76	T	1,2-Dichlorobenzene	1.214	1.175	3.2	111	0.00
77	T	n-Butylbenzene	1.555	1.704	-9.6	121	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.136	-2.3	120	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.603	-1.2	113	0.00
80	T	Hexachlorobutadiene	0.229	0.239	-4.4	123	0.00
81	T	Naphthalene	1.855	1.881	-1.4	105	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.556	2.5	107	0.00

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

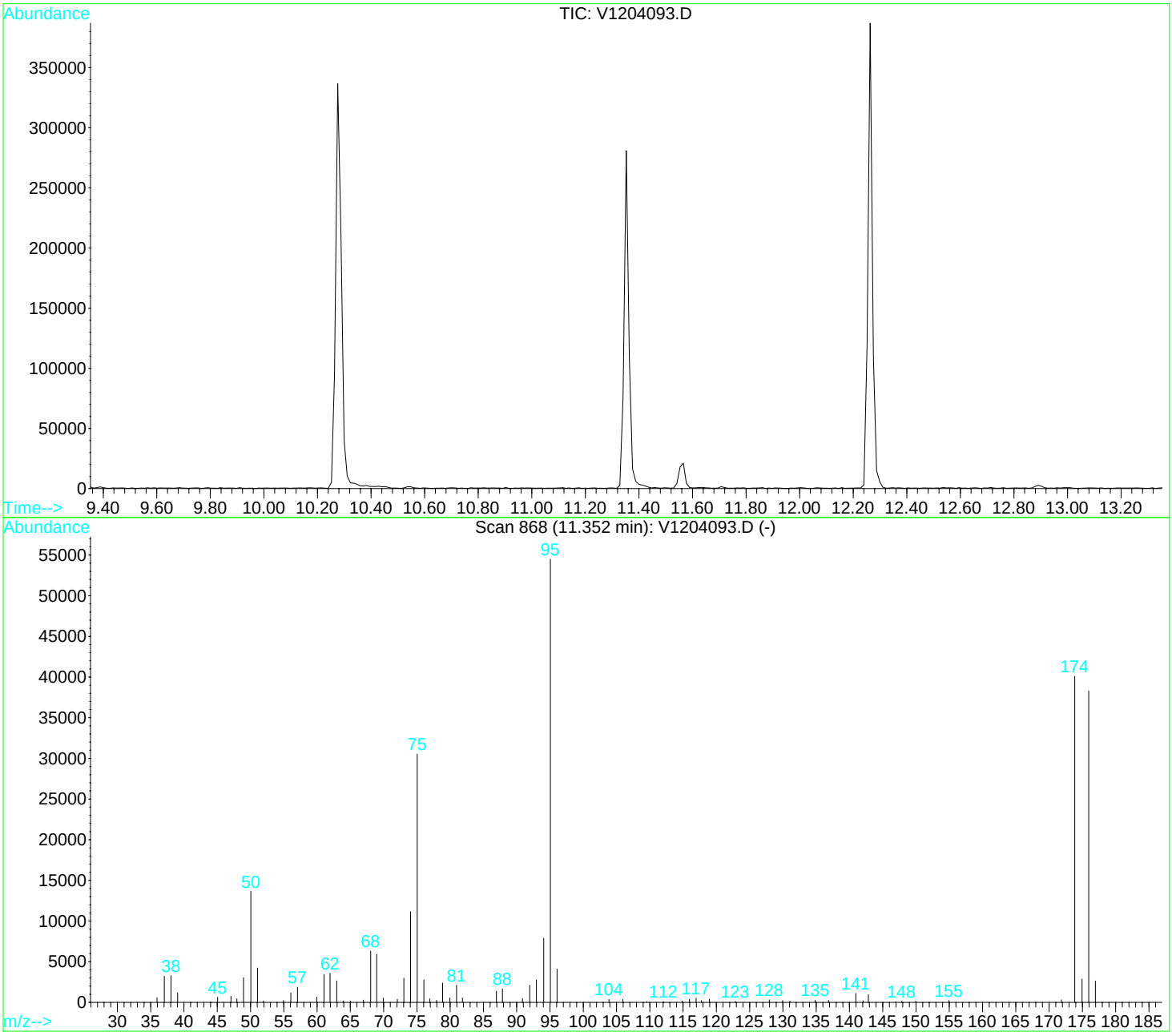
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V1204093.D	1.	BFB	TUNE BFB_4	24 Jun 2004 09:21
2	2	V1204094.D	1.	BLANK	BLANK	24 Jun 2004 10:02
3	3	V1204095.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 10:39
4	4	V1204096.D	1.	MB-47082	MBLK 8260B_W	24 Jun 2004 11:19
5	5	V1204097.D	1.	LCS-47082	LCS 8260B_W	24 Jun 2004 11:44
6	6	V1204098.D	1.	0406914-001A *10	SAMP 8260B_W	24 Jun 2004 12:09
7	7	V1204099.D	1.	MB-47035 *20	MB 1311_V	24 Jun 2004 12:34
8	8	V1204100.D	1.	0406980-001A *20	SAMP 1311_V	24 Jun 2004 13:21
9	9	V1204101.D	1.	0406B07-010A	SAMP 8260_TCL4.2_W	24 Jun 2004 13:45
10	10	V1204102.D	1.	0406B07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:10
11	11	V1204103.D	1.	0406B07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 14:36
12	12	V1204104.D	1.	0406C07-003A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 15:01
13	13	V1204105.D	1.	0406C07-001A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:26
14	14	V1204106.D	1.	0406C07-002A	SAMP 8260_TCL4.2_W	24 Jun 2004 15:51
15	15	V1204107.D	1.	0406C07-004A	SAMP 8260_TCL4.2_W	24 Jun 2004 16:16
16	16	V1204108.D	1.	0406C07-003A *10	SAMP 8260_TCL4.2_W	24 Jun 2004 16:40
17	17	V1204109.D	1.	0406C07-001AMS	MS 8260_TCL4.2_W	24 Jun 2004 17:05
18	17	V1204110.D	1.	0406C07-001AMSD	MSD 8260_TCL4.2_W	24 Jun 2004 17:29
19	18	V1204111.D	1.	MB-47074	MBLK 8260_TCL4.2_X	24 Jun 2004 17:54
20	19	V1204112.D	1.	LCS-47074	LCS 8260_TCL4.2_X	24 Jun 2004 18:19
21	20	V1204113.D	1.	0406B33-003A *500	SAMP 8260_TCL4.2_X	24 Jun 2004 18:43
22	21	V1204114.D	1.	0406B33-003AMS *500	MS 8260_TCL4.2_X	24 Jun 2004 19:08
23	21	V1204115.D	1.	0406B33-003AMS *500	MSD 8260_TCL4.2_X	24 Jun 2004 19:33
24	22	V1204116.D	1.	0406C14-001A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 19:58
25	23	V1204117.D	1.	0406C14-002A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:23
26	24	V1204118.D	1.	0406C14-003A *100	SAMP 8260_TCL4.2_X	24 Jun 2004 20:47
27	25	V1204119.D	1.	0406C14-006A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:12
28	26	V1204120.D	1.	0406C14-007A *100	SAMP 8260_TCL4.2_W	24 Jun 2004 21:37
29	27	V1204121.D	1.	BLANK	BLANK	24 Jun 2004 22:02
30	28	V1204122.D	1.	BLANK	BLANK	24 Jun 2004 22:27
31	29	V1204123.D	1.	BFB	TUNE BFB_4	24 Jun 2004 22:52
32	30	V1204124.D	1.	8260 CCV 050 W	CCV 8260B_W	24 Jun 2004 23:17
33	31	V1204125.D	1.	MB----------	MBLK 8260B_W	24 Jun 2004 23:42
34	32	V1204126.D	1.	LCS----------	LCS 8260B_W	25 Jun 2004 00:07
35	33	V1204127.D	1.	0406983-013A *10	SAMP 8260B_W	25 Jun 2004 00:32

Injection Log

Directory: C:\HPCHEM\1\DATA\062404

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
36	34	V1204128.D	1.	0406983-014A	*10	SAMP 8260B_W	25 Jun 2004 00:56
37	35	V1204129.D	1.	0406B07-003A		SAMP 8260_TCL4.2_W	25 Jun 2004 01:21
38		V1204130.D	1.				

Data File : C:\HPCHEM\1\DATA\062404\V1204093.D Vial: 1
Acq On : 24 Jun 2004 9:21 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Scan 868

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	13663	PASS
75	95	30	60	56.0	30536	PASS
95	95	100	100	100.0	54492	PASS
96	95	5	9	7.5	4098	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.6	40092	PASS
175	174	5	9	7.1	2865	PASS
176	174	95	101	95.5	38288	PASS
177	176	5	9	6.9	2630	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	68	0.00
2	T	Dichlorodifluoromethane	0.368	0.392	-6.5	70	0.01
3	pcc	Chloromethane	0.530	0.423	20.2	56	0.00
4	ccc	Vinyl chloride	0.404	0.364	9.9	61	0.00
5	T	Bromomethane	0.186	0.205	-10.2	100	0.02
6	T	Chloroethane	0.258	0.229	11.2	81	0.01
7	T	Trichlorofluoromethane	0.675	0.868	-28.6	89	0.01
8	T	Acrolein	0.064	0.015	76.6#	17#	0.01
9	ccc	1,1-Dichloroethene	0.423	0.351	17.0	58	0.01
10		Freon-113	0.327	0.288	11.9	64	0.00
11	T	Acetone	0.072	0.063	12.5	0#	-0.01
12	T	Iodomethane	0.681	0.594	12.8	63	0.01
13	T	Carbon disulfide	1.384	1.057	23.6	55	0.01
14		Methyl Acetate	0.885	0.507	42.7#	43#	0.00
15	T	Vinyl acetate	0.443	0.253	42.9#	43#	0.00
16	T	Methylene chloride	0.616	0.385	37.5#	55	0.00
17	T	Acrylonitrile	0.248	0.142	42.7#	41#	0.00
18		Methyl tert-butyl ether	1.415	1.058	25.2	53	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.397	21.4	56	0.00
20	pcc	1,1-Dichloroethane	1.070	0.833	22.1	58	0.00
21	T	2,2-Dichloropropane	0.413	0.438	-6.1	76	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.462	13.6	62	0.00
23	T	2-Butanone	0.074	0.057	23.0	53	-0.01
24	T	Bromochloromethane	0.249	0.214	14.1	62	0.00
25	ccc	Chloroform	0.877	0.755	13.9	65	0.00
26		Cyclohexane	0.848	0.618	27.1	55	0.00
27	T	1,1,1-Trichloroethane	0.614	0.672	-9.4	77	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	-0.01
29	S	Dibromofluoromethane	0.299	0.303	-1.3	73	0.00
30	T	1,1-Dichloropropene	0.138	0.132	4.3	65	0.00
31	T	Carbon tetrachloride	0.313	0.380	-21.4	82	0.00
32	M	Benzene	1.300	1.115	14.2	57	0.00
33	T	1,2-Dichloroethane	0.440	0.444	-0.9	70	0.00
34	M	Trichloroethene	0.289	0.284	1.7	69	0.00
35		Methylcyclohexane	0.268	0.250	6.7	61	0.00
36	ccc	1,2-Dichloropropane	0.340	0.276	18.8	54	0.00
37	T	Dibromomethane	0.179	0.162	9.5	59	0.00
38	T	Bromodichloromethane	0.322	0.320	0.6	67	-0.01
39	T	2-Chloroethyl vinyl ether	0.290	0.229	21.0	49#	-0.01
40	T	cis-1,3-Dichloropropene	0.401	0.365	9.0	57	0.00
41	T	4-Methyl-2-pentanone	0.339	0.258	23.9	47#	0.00
42	S	Toluene-d8	0.953	1.023	-7.3	71	0.00
43	ccc	Toluene	0.687	0.649	5.5	61	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.308	8.1	56	-0.01
45	T	1,1,2-Trichloroethane	0.191	0.174	8.9	60	-0.01
46	I	Chlorobenzene-d5	1.000	1.000	0.0	69	0.00
47	T	2-Hexanone	0.340	0.280	17.6	52	0.00
48	T	Tetrachloroethene	0.318	0.322	-1.3	71	0.00
49	T	1,3-Dichloropropane	0.594	0.515	13.3	60	0.00
50	T	Dibromochloromethane	0.309	0.313	-1.3	68	0.00
51	T	1,2-Dibromoethane	0.307	0.276	10.1	61	-0.01
52	pcc	Chlorobenzene	1.018	0.909	10.7	64	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.322	-9.5	72	-0.01
54	ccc	Ethylbenzene	1.566	1.542	1.5	65	0.00
55	T	m,p-Xylene	1.191	1.203	-0.9	67	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.200	-0.2	67	0.00
57	T	Styrene	1.009	0.949	5.9	62	-0.01
58	pcc	Bromoform	0.211	0.211	0.0	69	0.00
59	S	4-Bromofluorobenzene	0.431	0.529	-22.7	82	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
61	T	Bromobenzene	0.674	0.621	7.9	67	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.576	27.6	52	0.00
63	T	1,2,3-Trichloropropane	1.241	0.653	47.4#	38#	-0.01
64	T	Isopropylbenzene	2.175	2.084	4.2	68	0.00
65	T	n-Propylbenzene	2.837	2.534	10.7	64	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.048	0.008	83.3#	11#	0.00
67	T	2-Chlorotoluene	1.847	1.723	6.7	68	0.00
68	T	4-Chlorotoluene	2.170	2.110	2.8	70	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.767	4.7	70	-0.01
70	T	tert-Butylbenzene	1.653	1.640	0.8	71	0.00
71	T	1,2,4-Trimethylbenzene	1.987	1.874	5.7	69	0.00
72	T	sec-Butylbenzene	1.987	1.926	3.1	71	0.00
73	T	1,3-Dichlorobenzene	1.199	1.099	8.3	66	0.00
74	T	4-Isopropyltoluene	1.803	1.796	0.4	72	0.00
75	T	1,4-Dichlorobenzene	1.329	1.210	9.0	71	0.00
76	T	1,2-Dichlorobenzene	1.214	1.136	6.4	70	0.00
77	T	n-Butylbenzene	1.555	1.560	-0.3	72	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.107	19.5	62	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.572	4.0	70	0.00
80	T	Hexachlorobutadiene	0.229	0.259	-13.1	86	0.00
81	T	Naphthalene	1.855	1.629	12.2	59	0.01
82	T	1,2,3-Trichlorobenzene	0.570	0.546	4.2	68	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	115923	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.60	114	168469	50.00	ug/L		-0.01
46) Chlorobenzene-d5	10.29	117	120521	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	73300	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	51111	50.76	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 101.52%				
42) Toluene-d8	8.59	98	172305	53.68	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 107.36%				
59) 4-Bromofluorobenzene	11.35	95	63802	61.46	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 122.92%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	45386	53.21	ug/L		95
3) Chloromethane	1.47	50	49069	39.93	ug/L		94
4) Vinyl chloride	1.57	62	42249	45.10	ug/L		98
5) Bromomethane	1.81	94	23778	64.77	ug/L		98
6) Chloroethane	1.90	64	26511	44.34	ug/L		94
7) Trichlorofluoromethane	2.10	101	100598	64.29	ug/L		96
8) Acrolein	2.44	56	3578	22.92	ug/L		99
9) 1,1-Dichloroethene	2.54	96	40727	41.50	ug/L	#	70
10) Freon-113	2.55	101	33395	44.01	µg/L	#	87
11) Acetone	2.56	58	14683	103.26	ug/L	#	17
12) Iodomethane	2.68	142	137636	87.19	ug/L	#	76
13) Carbon disulfide	2.75	76	245015	76.37	ug/L		100
14) Methyl Acetate	2.89	43	58741	28.62	µg/L	#	6
15) Vinyl acetate	2.89	43	58741	57.25	ug/L		89
16) Methylene chloride	3.00	84	44632	39.10	ug/L	#	73
17) Acrylonitrile	3.26	53	32883	57.16	ug/L		96
18) Methyl tert-butyl ether	3.32	73	122684	37.41	µg/L		93
19) trans-1,2-Dichloroethene	3.31	96	46028	39.31	ug/L		91
20) 1,1-Dichloroethane	3.83	63	96565	38.91	ug/L		99
21) 2,2-Dichloropropane	4.70	77	50740	52.97	ug/L		99
22) cis-1,2-Dichloroethene	4.70	96	53511	43.17	ug/L		94
23) 2-Butanone	4.73	72	13300	77.30	ug/L	#	42
24) Bromochloromethane	5.07	128	24757	42.94	ug/L	#	74
25) Chloroform	5.21	83	87492	43.01	ug/L		99
26) Cyclohexane	5.55	56	71624	36.44	µg/L		90
27) 1,1,1-Trichloroethane	5.47	97	77885	54.68	ug/L		96
30) 1,1-Dichloropropene	5.72	110	22173	47.82	ug/L		99
31) Carbon tetrachloride	5.72	119	63974	60.73	ug/L		99
32) Benzene	6.02	78	187833	42.89	ug/L		99
33) 1,2-Dichloroethane	6.05	62	74777	50.40	ug/L		98
34) Trichloroethene	6.95	130	47809	49.15	ug/L		95
35) Methylcyclohexane	7.21	55	42199	46.75	µg/L		94
36) 1,2-Dichloropropane	7.25	63	46416	40.57	ug/L	#	100
37) Dibromomethane	7.41	93	27303	45.17	ug/L		93
38) Bromodichloromethane	7.64	83	53848	49.58	ug/L		98
39) 2-Chloroethyl vinyl ether	8.07	63	77134	78.90	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	61575	45.60	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	86791	76.06	ug/L		93
43) Toluene	8.68	92	109298	47.23	ug/L		97
44) trans-1,3-Dichloropropene	8.99	75	51845	42.27	ug/L		98
45) 1,1,2-Trichloroethane	9.21	83	29315	45.58	ug/L		94
47) 2-Hexanone	9.54	43	67442	82.32	ug/L		88
48) Tetrachloroethene	9.39	166	38782	50.67	ug/L		94
49) 1,3-Dichloropropane	9.41	76	62055	43.36	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

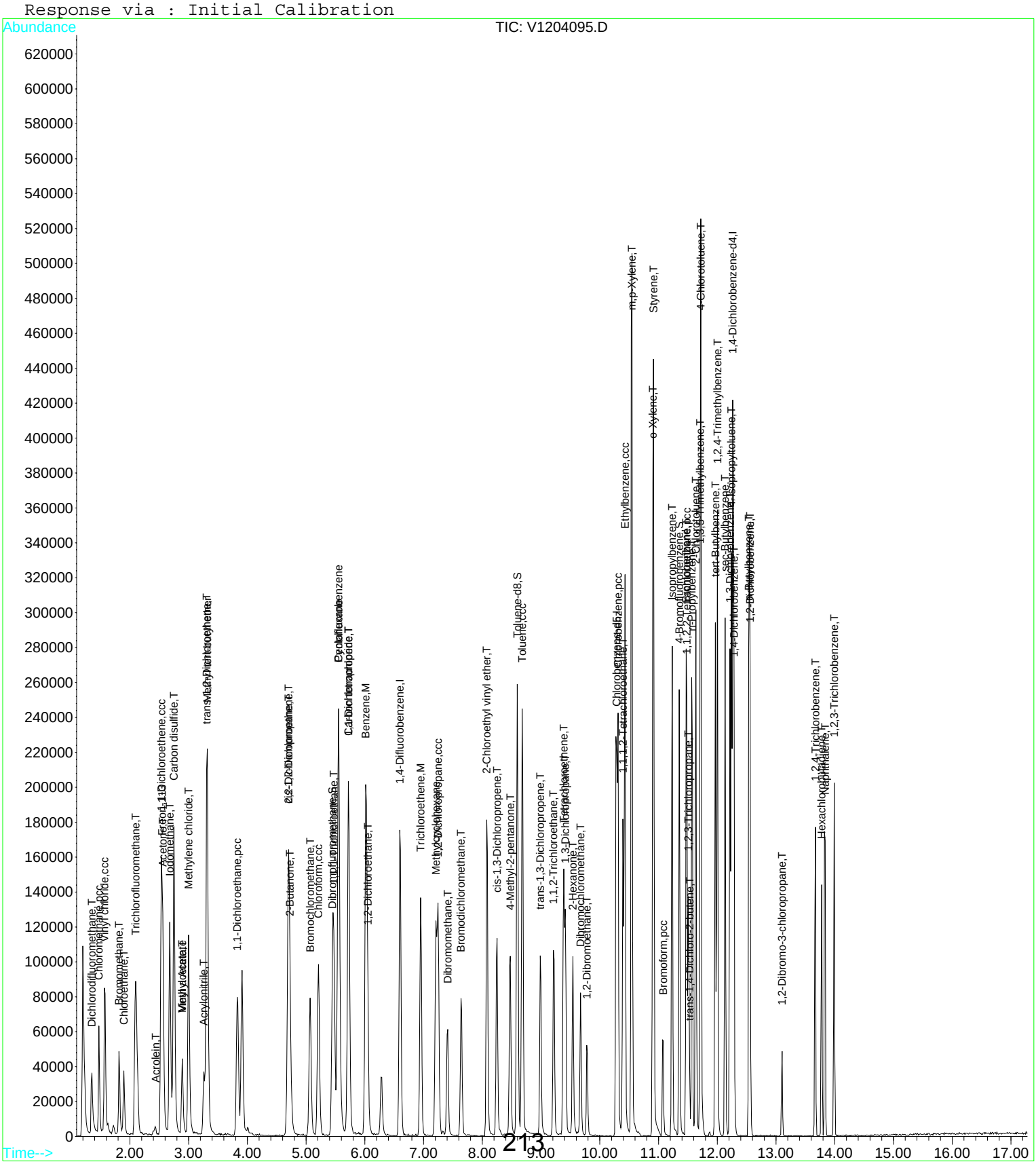
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	37727	50.58	ug/L		97
51)	1,2-Dibromoethane	9.78	107	33312	45.05	ug/L	#	96
52)	Chlorobenzene	10.31	112	109613	44.69	ug/L		96
53)	1,1,1,2-Tetrachloroethane	10.39	131	38790	54.83	ug/L		94
54)	Ethylbenzene	10.43	91	185818	49.22	ug/L		97
55)	m,p-Xylene	10.55	91	289830	100.98	ug/L		97
56)	o-Xylene	10.90	91	144636	50.10	ug/L		95
57)	Styrene	10.91	104	114361	47.03	ug/L		95
58)	Bromoform	11.08	173	25446	50.15	ug/L		98
61)	Bromobenzene	11.47	156	45538	46.06	ug/L	#	71
62)	1,1,2,2-Tetrachloroethane	11.48	83	42251	36.21	ug/L		98
63)	1,2,3-Trichloropropane	11.51	75	47891	26.32	ug/L	#	1
64)	Isopropylbenzene	11.23	105	152732	47.91	ug/L		98
65)	n-Propylbenzene	11.56	91	185762	44.67	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1176	22.94	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	126332	46.65	ug/L		95
68)	4-Chlorotoluene	11.72	91	154641	48.61	ug/L		93
69)	1,3,5-Trimethylbenzene	11.71	105	129503	47.64	ug/L		98
70)	tert-Butylbenzene	11.97	119	120185	45.89	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	137334	47.16	ug/L		88
72)	sec-Butylbenzene	12.13	105	141147	48.47	ug/L		98
73)	1,3-Dichlorobenzene	12.22	146	80529	45.82	ug/L		98
74)	4-Isopropyltoluene	12.24	119	131618	49.81	ug/L		97
75)	1,4-Dichlorobenzene	12.29	146	88712	45.54	ug/L		96
76)	1,2-Dichlorobenzene	12.56	146	83235	46.78	ug/L		96
77)	n-Butylbenzene	12.54	91	114336	46.37	ug/L		98
78)	1,2-Dibromo-3-chloropropan	13.10	75	7811	40.14	ug/L		94
79)	1,2,4-Trichlorobenzene	13.67	180	41920	47.97	ug/L		95
80)	Hexachlorobutadiene	13.78	225	18990	56.50	ug/L		98
81)	Naphthalene	13.84	128	119377	40.14	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	40043	47.89	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204095.D Vial: 3
Acq On : 24 Jun 2004 10:39 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 10:56 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	96381	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	142724	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	102262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50685	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	46008	53.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 107.88%			
42) Toluene-d8	8.60	98	140799	51.78	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 103.56%			
59) 4-Bromofluorobenzene	11.35	95	45745	51.93	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 103.86%			

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.
3) Chloromethane	0.00	50	0	N.D.
4) Vinyl chloride	0.00	62	0	N.D.
5) Bromomethane	0.00	94	0	N.D.
6) Chloroethane	0.00	64	0	N.D.
7) Trichlorofluoromethane	0.00	101	0	N.D.
8) Acrolein	0.00	56	0	N.D.
9) 1,1-Dichloroethene	0.00	96	0	N.D.
10) Freon-113	0.00	101	0	N.D.
11) Acetone	0.00	58	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Methyl Acetate	0.00	43	0	N.D.
15) Vinyl acetate	0.00	43	0	N.D.
16) Methylene chloride	0.00	84	0	N.D.
17) Acrylonitrile	0.00	53	0	N.D.
18) Methyl tert-butyl ether	0.00	73	0	N.D.
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.
20) 1,1-Dichloroethane	0.00	63	0	N.D.
21) 2,2-Dichloropropane	0.00	77	0	N.D.
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.
23) 2-Butanone	0.00	72	0	N.D.
24) Bromochloromethane	0.00	128	0	N.D.
25) Chloroform	0.00	83	0	N.D.
26) Cyclohexane	0.00	56	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.
30) 1,1-Dichloropropene	0.00	110	0	N.D.
31) Carbon tetrachloride	0.00	119	0	N.D.
32) Benzene	0.00	78	0	N.D.
33) 1,2-Dichloroethane	0.00	62	0	N.D.
34) Trichloroethene	0.00	130	0	N.D.
35) Methylcyclohexane	0.00	55	0	N.D.
36) 1,2-Dichloropropane	0.00	63	0	N.D.
37) Dibromomethane	0.00	93	0	N.D.
38) Bromodichloromethane	0.00	83	0	N.D.
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.
43) Toluene	0.00	92	0	N.D.
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.
47) 2-Hexanone	0.00	43	0	N.D.
48) Tetrachloroethene	0.00	166	0	N.D.
49) 1,3-Dichloropropane	0.00	76	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

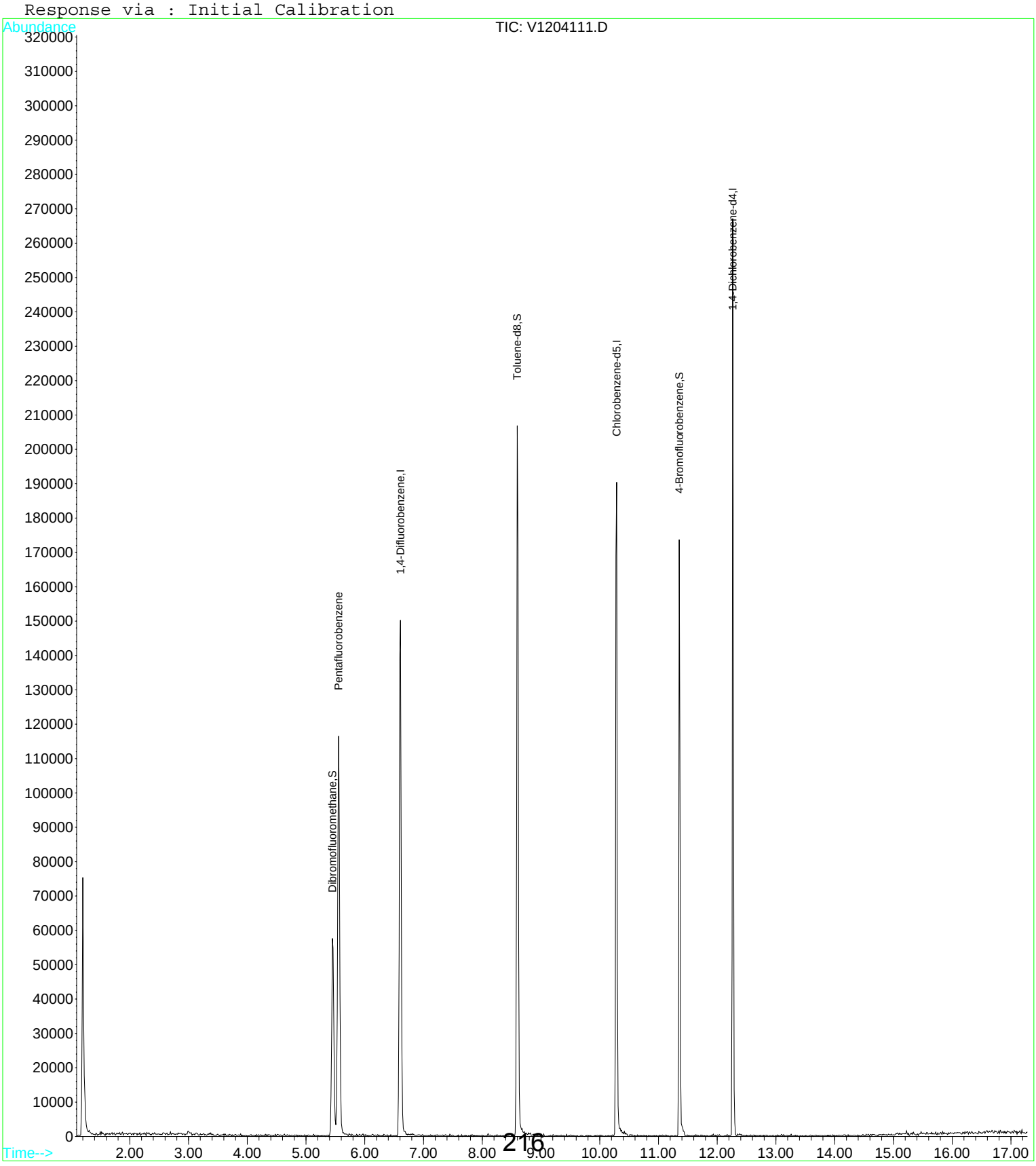
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204111.D Vial: 18
Acq On : 24 Jun 2004 5:54 pm Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	93806	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	141189	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	101594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	50002	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	46423	55.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 110.04%			
42) Toluene-d8	8.60	98	140380	52.19	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 104.38%			
59) 4-Bromofluorobenzene	11.35	95	46899	53.59	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 107.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	2.54	96	33791	42.55	ug/L #	60
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D.		
15) Vinyl acetate	0.00	43	0	N.D.		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D.		
32) Benzene	6.02	78	170010	46.32	ug/L	98
33) 1,2-Dichloroethane	0.00	62	0	N.D. d		
34) Trichloroethene	6.95	130	44274	54.31	ug/L	96
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D. d		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	8.69	92	104147	53.70	ug/L	92
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

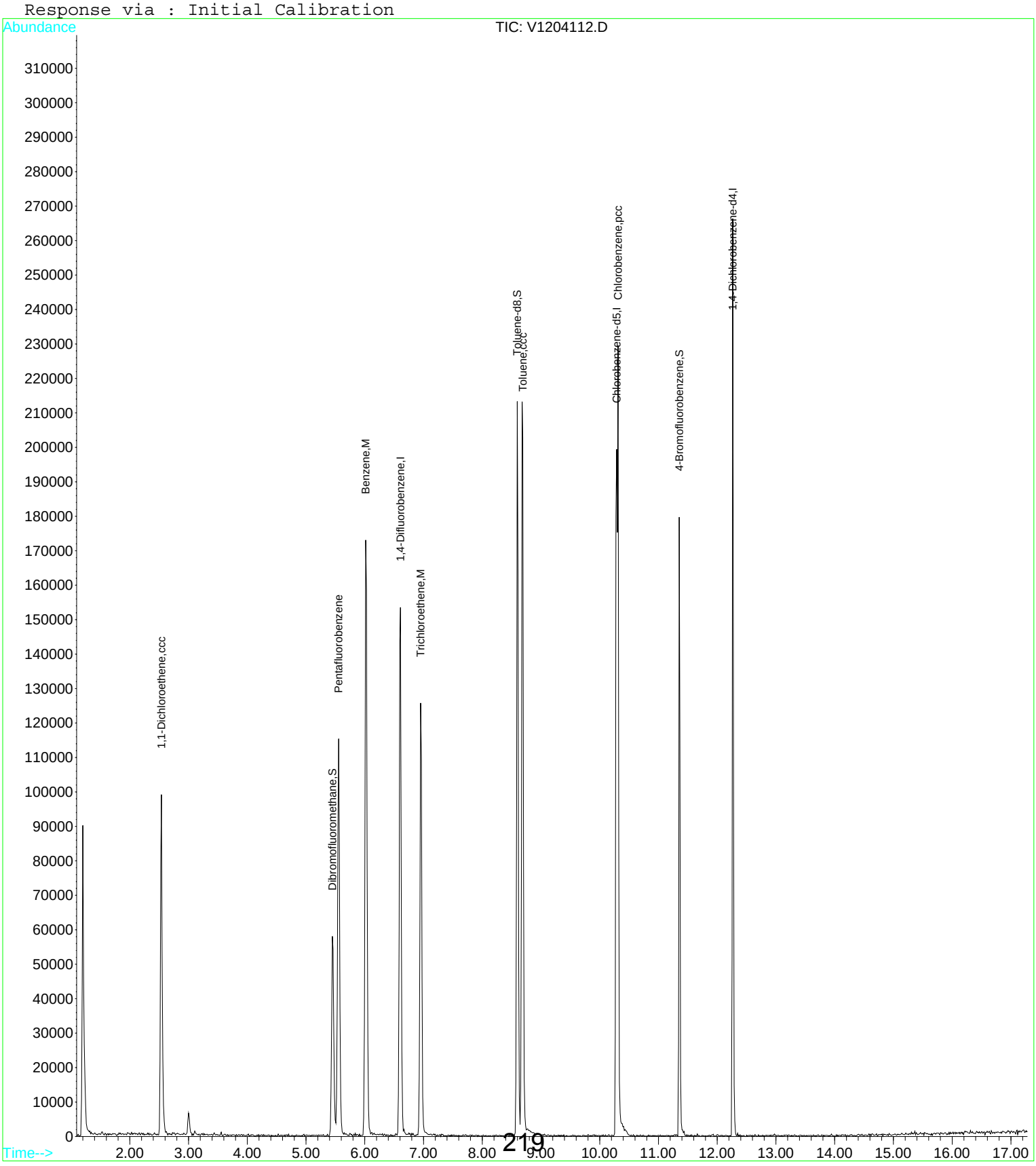
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	10.31	112	104166	50.38	ug/L	99
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204112.D Vial: 19
Acq On : 24 Jun 2004 6:19 pm Operator: TMP
Sample : LCS-47074 Inst : GC/MS 12
Misc : LCS 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:22 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:29 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	105769	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	153110	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	107504	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	62965	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.46	113	50597	55.29	ug/L	0.01
Spiked Amount 50.000	Range 70 - 126		Recovery = 110.58%			
42) Toluene-d8	8.59	98	151275	51.86	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 103.72%			
59) 4-Bromofluorobenzene	11.35	95	53162	57.41	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 114.82%			

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.
3) Chloromethane	0.00	50	0	N.D. d
4) Vinyl chloride	0.00	62	0	N.D.
5) Bromomethane	0.00	94	0	N.D.
6) Chloroethane	0.00	64	0	N.D.
7) Trichlorofluoromethane	0.00	101	0	N.D.
8) Acrolein	0.00	56	0	N.D.
9) 1,1-Dichloroethene	0.00	96	0	N.D.
10) Freon-113	0.00	101	0	N.D.
11) Acetone	0.00	58	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Methyl Acetate	0.00	43	0	N.D. d
15) Vinyl acetate	0.00	43	0	N.D. d
16) Methylene chloride	0.00	84	0	N.D. d
17) Acrylonitrile	0.00	53	0	N.D.
18) Methyl tert-butyl ether	0.00	73	0	N.D.
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.
20) 1,1-Dichloroethane	0.00	63	0	N.D.
21) 2,2-Dichloropropane	0.00	77	0	N.D.
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.
23) 2-Butanone	0.00	72	0	N.D.
24) Bromochloromethane	0.00	128	0	N.D.
25) Chloroform	0.00	83	0	N.D.
26) Cyclohexane	0.00	56	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.
30) 1,1-Dichloropropene	0.00	110	0	N.D. d
31) Carbon tetrachloride	0.00	119	0	N.D.
32) Benzene	0.00	78	0	N.D.
33) 1,2-Dichloroethane	0.00	62	0	N.D.
34) Trichloroethene	0.00	130	0	N.D.
35) Methylcyclohexane	0.00	55	0	N.D.
36) 1,2-Dichloropropane	0.00	63	0	N.D.
37) Dibromomethane	0.00	93	0	N.D.
38) Bromodichloromethane	0.00	83	0	N.D.
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.
43) Toluene	0.00	92	0	N.D.
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.
47) 2-Hexanone	0.00	43	0	N.D.
48) Tetrachloroethene	0.00	166	0	N.D.
49) 1,3-Dichloropropane	0.00	76	0	N.D.

(#) = qualifier out of range (m) = manual integration
V1204117.D VW052704.M Fri Jun 25 08:40:18 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:29 2004 Quant Results File: VW052704.RES

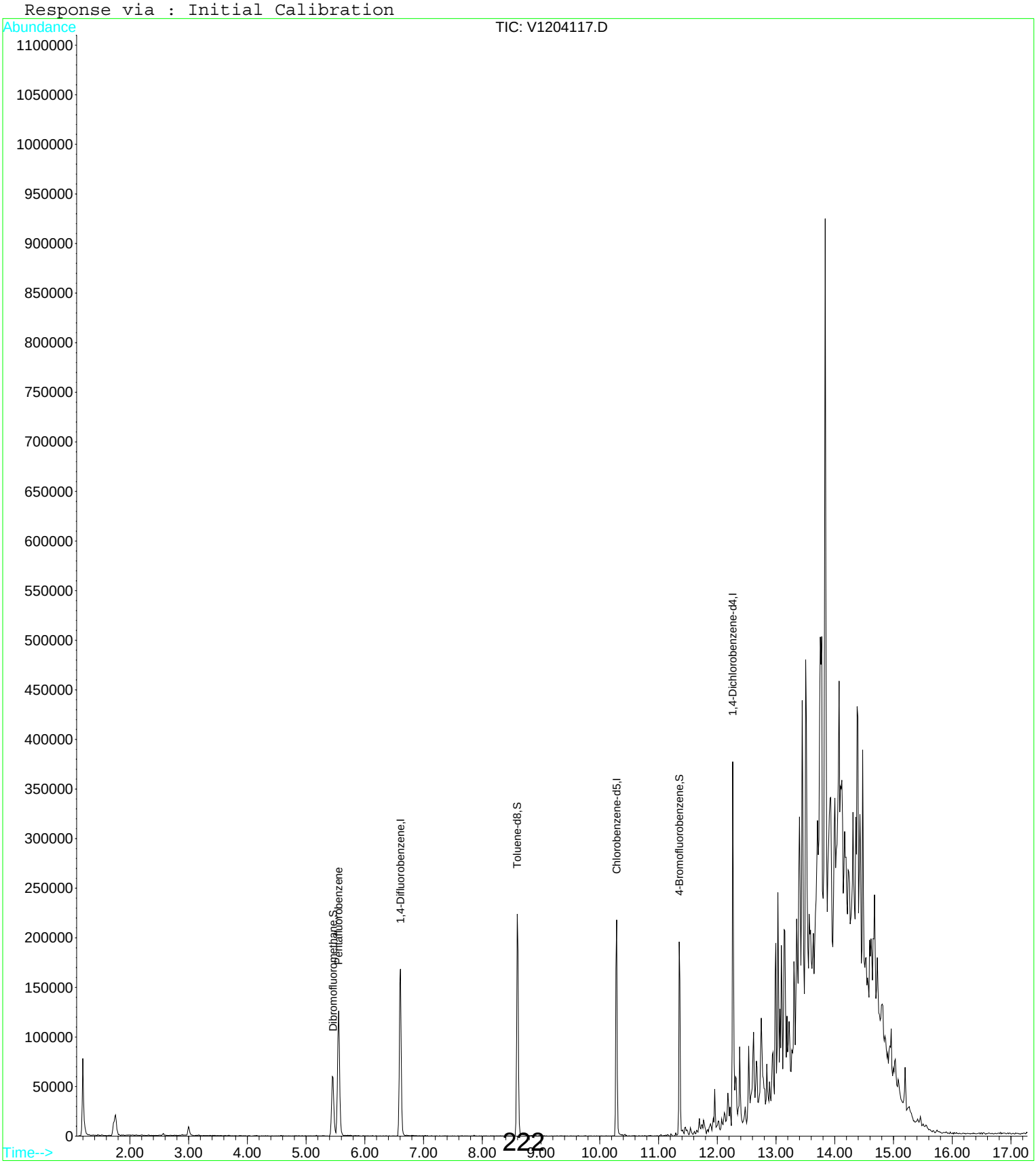
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.	d	
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	d	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.	d	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	d	
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	d	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:29 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.199	6	10	18	rBV	77978	132759	13.17%	1.061%
2	1.756	51	57	61	rBV2	20725	70656	7.01%	0.565%
3	2.998	159	162	170	rVB2	9030	20984	2.08%	0.168%
4	5.447	363	369	374	rBV	60192	164266	16.29%	1.313%
5	5.554	374	378	385	rVB	125919	308960	30.64%	2.469%
6	6.607	462	467	474	rBV	168095	365564	36.26%	2.921%
7	8.595	631	635	648	rBV	223857	433975	43.04%	3.468%
8	10.287	774	778	781	rBV	217722	340327	33.76%	2.720%
9	11.352	865	868	872	rBV	194794	291890	28.95%	2.333%
10	11.458	875	877	878	rVV2	7637	13333	1.32%	0.107%
11	11.541	882	884	888	rBV2	7046	11361	1.13%	0.091%
12	11.695	895	897	899	rBV	13729	19521	1.94%	0.156%
13	11.766	902	903	907	rVB2	13351	24086	2.39%	0.192%
14	11.884	910	913	915	rBV3	7856	17061	1.69%	0.136%
15	11.932	915	917	918	rBV2	11941	18336	1.82%	0.147%
16	11.955	918	919	921	rVB	38237	37127	3.68%	0.297%
17	12.015	921	924	927	rVB4	8869	19191	1.90%	0.153%
18	12.074	927	929	931	rBV2	10981	17455	1.73%	0.139%
19	12.121	931	933	935	rBV3	12082	21307	2.11%	0.170%
20	12.180	935	938	940	rBV2	28748	45218	4.48%	0.361%
21	12.263	943	945	948	rBV	367040	514666	51.05%	4.113%
22	12.310	948	949	952	rVB2	37902	56829	5.64%	0.454%
23	12.381	952	955	959	rVB	76583	106509	10.56%	0.851%
24	12.476	959	963	965	rVB3	16388	25121	2.49%	0.201%
25	12.535	965	968	970	rBV2	77663	117776	11.68%	0.941%
26	12.618	970	975	977	rBV	71541	129248	12.82%	1.033%
27	12.665	977	979	982	rVB2	42006	68623	6.81%	0.548%
28	12.748	982	986	992	rVB4	86883	214245	21.25%	1.712%
29	12.843	992	994	997	rBV3	40569	50840	5.04%	0.406%
30	12.890	997	998	1000	rBV2	19271	16850	1.67%	0.135%
31	12.949	1000	1003	1005	rBV3	48981	98344	9.75%	0.786%
32	12.997	1005	1007	1008	rBV	152422	208080	20.64%	1.663%
33	13.032	1008	1010	1012	rBV	182312	215388	21.36%	1.721%
34	13.091	1014	1015	1017	rVB	124488	133476	13.24%	1.067%
35	13.139	1017	1019	1022	rBV3	140300	284247	28.19%	2.272%
36	13.222	1024	1026	1029	rVB2	50561	81761	8.11%	0.653%
37	13.269	1029	1030	1031	rBV	21668	28832	2.86%	0.230%
38	13.304	1031	1033	1035	rBV	92059	118627	11.77%	0.948%
39	13.352	1035	1037	1039	rBV2	127079	233240	23.13%	1.864%
40	13.399	1039	1041	1043	rBV2	167956	275236	27.30%	2.200%
41	13.446	1043	1045	1048	rVB	295902	422537	41.91%	3.377%
42	13.506	1048	1050	1054	rBV2	337138	610063	60.51%	4.875%
43	13.565	1054	1055	1059	rVB4	54809	96538	9.58%	0.771%
44	13.636	1059	1061	1062	rVB2	40978	41961	4.16%	0.335%
45	13.707	1062	1067	1068	rBV3	154692	396490	39.33%	3.168%

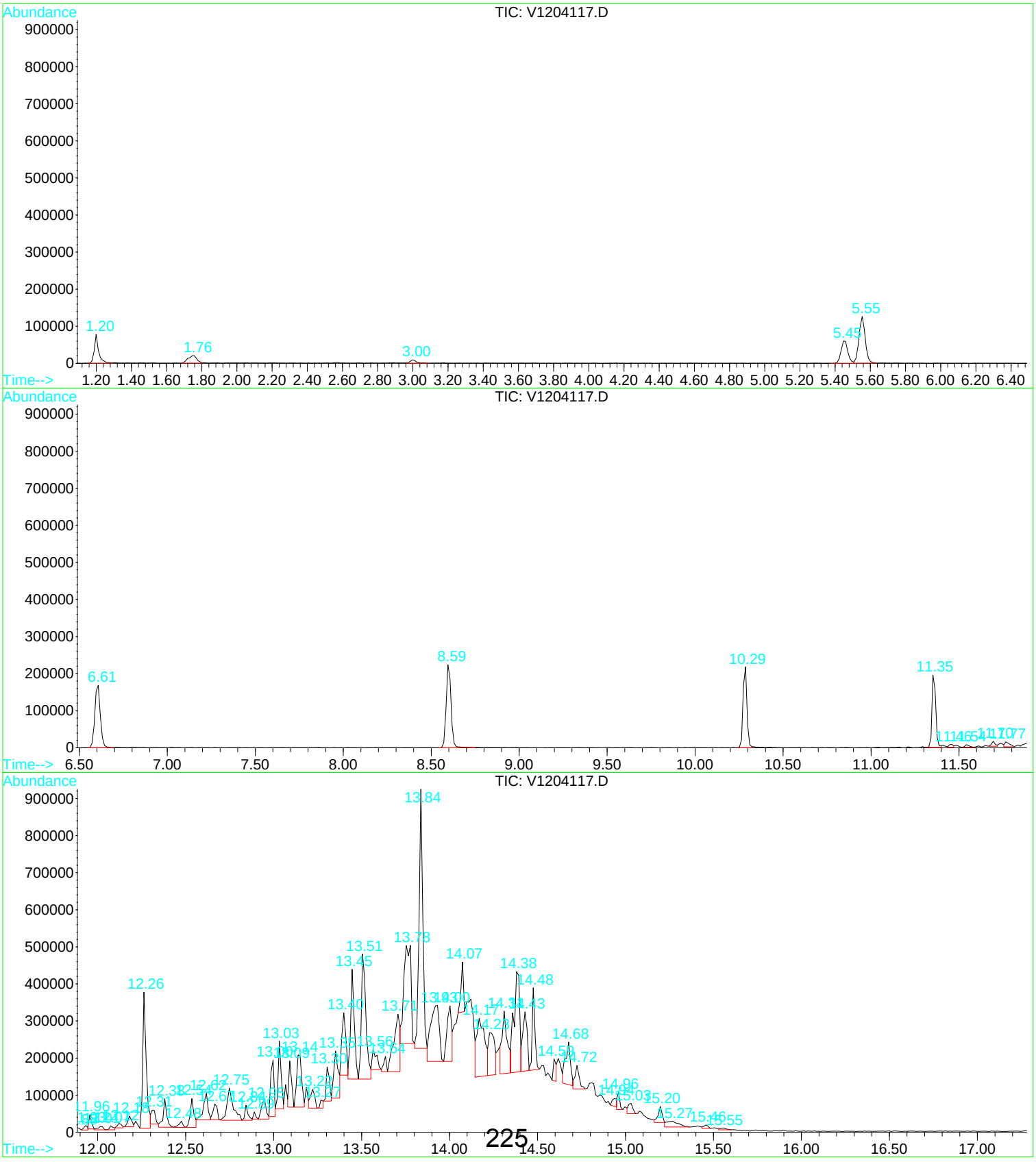
46	13.778	1068	1073	1075	rVB2	264253	727854	72.19%	5.817%
47	13.837	1075	1078	1081	rVB2	698923	1008214	100.00%	8.057%
48	13.932	1081	1086	1089	rVB4	150720	505834	50.17%	4.042%
49	14.003	1089	1092	1093	rBV2	149946	285069	28.27%	2.278%
50	14.074	1096	1098	1099	rVV	133404	126649	12.56%	1.012%
51	14.168	1104	1106	1110	rVV5	155010	492660	48.86%	3.937%
52	14.227	1110	1111	1114	rVV3	113256	275536	27.33%	2.202%
53	14.310	1116	1118	1121	rVV3	166567	355020	35.21%	2.837%
54	14.381	1121	1124	1126	rVV3	269450	621712	61.66%	4.968%
55	14.429	1126	1128	1130	rVV2	158034	275222	27.30%	2.199%
56	14.476	1130	1132	1135	rVB	219697	232935	23.10%	1.861%
57	14.594	1141	1142	1143	rBV	57993	72552	7.20%	0.580%
58	14.677	1146	1149	1151	rVV2	114304	224350	22.25%	1.793%
59	14.724	1151	1153	1157	rVB3	63291	101754	10.09%	0.813%
60	14.937	1169	1171	1172	rBV2	18387	39740	3.94%	0.318%
61	14.961	1172	1173	1175	rVB	47345	38685	3.84%	0.309%
62	15.032	1177	1179	1182	rVB3	27593	47092	4.67%	0.376%
63	15.198	1190	1193	1195	rVB3	43250	66134	6.56%	0.528%
64	15.269	1195	1199	1207	rVB10	15673	71919	7.13%	0.575%
65	15.458	1213	1215	1217	rVB3	9268	14414	1.43%	0.115%
66	15.553	1221	1223	1227	rVB5	4938	11318	1.12%	0.090%

Sum of corrected areas: 12513567

V1204117.D VW052704.M Thu Jul 15 14:59:29 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062404\V1204117.D
Operator : TMP
Acquired : 24 Jun 2004 8:23 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406C14-002A *100
Misc Info : SAMP 8260_TCL4.2_X
Vial Number: 23
Quant File :VW052704.RES (RTE Integrator)



V1204117.D VW052704.M Thu Jul 15 14:59:29 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Dilution Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Carbon dioxide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	21.48 ug/L	132759	Pentafluorobenzene	5.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Nitrous Oxide	44	N2O	010024-97-2	3
4	Nitrous Oxide	44	N2O	010024-97-2	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 Cyclohexane, 1,1-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	20.81 ug/L	214245	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	62
3	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	43
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	43
5	Cyclohexanone, 3-methyl-2-(1-methyl	154	C10H18O	028357-23-5	43

****

Peak Number 3 n-Amylcyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	20.93 ug/L	215388	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Amylcyclohexane	154	C11H22	029949-27-7	52
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	47
4	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	43
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****
Peak Number 4 1-Methyldecahydronaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	27.61 ug/L	284247	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76

****
Peak Number 5 Dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	22.66 ug/L	233240	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Dodecane	170	C12H26	000112-40-3	95
3	Dodecane	170	C12H26	000112-40-3	91
4	Dodecane	170	C12H26	000112-40-3	81
5	Tridecane	184	C13H28	000629-50-5	72

****
Peak Number 6 Naphthalene, decahydro-2,6-dimethyl Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	26.74 ug/L	275236	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimethyl	166	C12H22	001618-22-0	46
2	cis,trans-1,10-Dimethylspiro[4.5]de	166	C12H22	1000111-72-3	42
3	cis, cis-2-Ethylbicyclo[4.4.0]decan	166	C12H22	066660-40-0	42
4	Naphthalene, decahydro-1,5-dimethyl	166	C12H22	066552-62-3	41
5	Naphthalene, decahydro-2,3-dimethyl	166	C12H22	001008-80-6	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	41.05 ug/L	422537	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	89
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	68
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62

****

Peak Number 8 Bicyclo[3.1.1]heptane, 2,6,6-trimethyl Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	59.27 ug/L	610063	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-trimet	138	C10H18	004863-59-6	70
2	Cyclodecene, 1,2-dimethyl-, (Z)-	166	C12H22	014113-67-8	52
3	Bicyclo[3.1.1]heptane, 2,6,6-trimet	138	C10H18	004795-86-2	49
4	Cycloundecene, 1-methyl-	166	C12H22	088828-82-4	49
5	Cyclododecene	166	C12H22	001501-82-2	46

****

Peak Number 9 Tetradecanoic acid, 2-oxo-, methyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	38.52 ug/L	396490	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid, 2-oxo-, methyl	256	C15H28O3	055682-82-1	50
2	Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	43
3	Hexadecanoic acid, 2-oxo-, methyl e	284	C17H32O3	055836-30-1	43
4	Propanoic acid, 3-mercapto-, dodecy	274	C15H30O2S	006380-71-8	38
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	35

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 10 Cyclohexane, butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	70.71 ug/L	727854	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	60
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
3	2H-Quinolizine-1-methanol, octahydr	169	C10H19NO	000486-70-4	53
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	49

****

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	97.95 ug/L	1008210	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	50

****

Peak Number 12 Cyclododecene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	49.14 ug/L	505834	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecene, (E)-	166	C12H22	001486-75-5	46
2	Cyclododecene	166	C12H22	001501-82-2	45
3	Naphthalene, decahydro-1,5-dimethyl	166	C12H22	066552-62-3	45
4	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	43
5	Hexylidencyclohexane	166	C12H22	010201-62-4	41

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 13 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	27.69 ug/L	285069	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tridecane	184	C13H28	000629-50-5	86
3	Dodecane	170	C12H26	000112-40-3	64
4	Tetradecane	198	C14H30	000629-59-4	59
5	Tridecane	184	C13H28	000629-50-5	52

****

Peak Number 14 Cyclohexane, 1,3-dimethyl-, cis- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	47.86 ug/L	492660	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	38
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	38
3	1,2-Ethanediol, 1,2-di-2-furanyl-	194	C10H10O4	004464-77-1	35
4	Cyclohexane, 1-ethyl-4-methyl-, cis	126	C9H18	004926-78-7	32
5	1H-Pyrrole-2,5-dione	97	C4H3NO2	000541-59-3	27

****

Peak Number 15 (3-Oxocyclopentyl)thioacetic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	26.77 ug/L	275536	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3-Oxocyclopentyl)thioacetic acid,	214	C11H18O2S	068931-50-0	35
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	35
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	25
4	1,1'-Bicyclohexyl, 4-methyl-4'-prop	222	C16H30	092343-70-9	22
5	1-Hexadecanol	242	C16H34O	036653-82-4	14

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 16 Decane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	34.49 ug/L	355020	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	52
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	50
3	Tetradecane	198	C14H30	000629-59-4	45
4	Heptadecane	240	C17H36	000629-78-7	43
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43

****

Peak Number 17 1,1'-Bicyclohexyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	60.40 ug/L	621712	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	83
2	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	80
3	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	80
4	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	72
5	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	64

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Peak Number 18 Heptylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	26.74 ug/L	275222	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	72
2	Cyclohexane, 1,1'-(1,3-propanediyl)	208	C15H28	003178-24-3	64
3	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	64
4	Cyclohexane, 1,1'-(1,3-propanediyl)	208	C15H28	003178-24-3	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204117.D Vial: 23
Acq On : 24 Jun 2004 8:23 pm Operator: TMP
Sample : 0406C14-002A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 19 Dodecane, 2,6,11-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	22.63 ug/L	232935	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	74
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64

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Peak Number 20 Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	21.80 ug/L	224350	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methylet	140	C10H20	001678-82-6	43
2	1,1'-Bicyclohexyl, 2-methyl-, cis-	180	C13H24	050991-08-7	43
3	Indolizine, 1-bromooctahydro-, cis-	203	C8H14BrN	068344-30-9	43
4	Cyclohexane, 1-methyl-4-(1-methylet	140	C10H20	006069-98-3	38
5	1-Methyl-4-(1-methylethyl)-cyclohex	140	C10H20	000099-82-1	38

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 24 Jun 2004 8:23 pm
Data File: C:\HPCHEM\1\DATA\062404\V1204117.D
Name: 0406C14-002A *100 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	21.5	ug/L	132759	ISTD01	5.55	308960	50.0
Cyclohexane, 1,1-dimethyl	12.75	20.8	ug/L	214245	ISTD04	12.26	514666	50.0
n-Amylcyclohexane	13.03	20.9	ug/L	215388	ISTD04	12.26	514666	50.0
1-Methyldecahydronaphthalene	13.14	27.6	ug/L	284247	ISTD04	12.26	514666	50.0
Dodecane	13.35	22.7	ug/L	233240	ISTD04	12.26	514666	50.0
Naphthalene, decahydro-2,6-dimethyl	13.40	26.7	ug/L	275236	ISTD04	12.26	514666	50.0
Undecane, 2,6-dimethyl	13.45	41.0	ug/L	422537	ISTD04	12.26	514666	50.0
Bicyclo[3.1.1] heptane, 2,6,6-trimethyl	13.51	59.3	ug/L	610063	ISTD04	12.26	514666	50.0
Tetradecanoic acid, 2-oxo-, methyl	13.71	38.5	ug/L	396490	ISTD04	12.26	514666	50.0
Cyclohexane, butyl-	13.78	70.7	ug/L	727854	ISTD04	12.26	514666	50.0
Octane, 2,6-dimethyl	13.84	97.9	ug/L	1008210	ISTD04	12.26	514666	50.0
Cyclododecene, (E)-	13.93	49.1	ug/L	505834	ISTD04	12.26	514666	50.0
Tridecane	14.00	27.7	ug/L	285069	ISTD04	12.26	514666	50.0
Cyclohexane, 1,3-dimethyl-, cis-	14.17	47.9	ug/L	492660	ISTD04	12.26	514666	50.0
(3-Oxocyclopentyl)thioacetic acid	14.23	26.8	ug/L	275536	ISTD04	12.26	514666	50.0
Decane, 2-methyl-	14.31	34.5	ug/L	355020	ISTD04	12.26	514666	50.0
1,1'-Bicyclohexyl	14.38	60.4	ug/L	621712	ISTD04	12.26	514666	50.0
Heptylcyclohexane	14.43	26.7	ug/L	275222	ISTD04	12.26	514666	50.0
Dodecane, 2,6,11-trimethyl-	14.48	22.6	ug/L	232935	ISTD04	12.26	514666	50.0
Cyclohexane, 1-methyl-4-(1-metthylethyl)-, trans-	14.68	21.8	ug/L	224350	ISTD04	12.26	514666	50.0

V1204117.D VW052704.M Fri Jul 16 08:42:31 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:30 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.55	168	163703	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	236974	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.29	117	160929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	93023	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	77083	54.43	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 108.86%			
42) Toluene-d8	8.60	98	229855	50.91	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 101.82%			
59) 4-Bromofluorobenzene	11.35	95	75254	54.29	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 108.58%			

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.
3) Chloromethane	0.00	50	0	N.D.
4) Vinyl chloride	0.00	62	0	N.D.
5) Bromomethane	0.00	94	0	N.D.
6) Chloroethane	0.00	64	0	N.D.
7) Trichlorofluoromethane	0.00	101	0	N.D.
8) Acrolein	0.00	56	0	N.D.
9) 1,1-Dichloroethene	0.00	96	0	N.D.
10) Freon-113	0.00	101	0	N.D.
11) Acetone	0.00	58	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Methyl Acetate	2.90	43	924	N.D.
15) Vinyl acetate	0.00	43	0	N.D. d
16) Methylene chloride	0.00	84	0	N.D. d
17) Acrylonitrile	0.00	53	0	N.D.
18) Methyl tert-butyl ether	0.00	73	0	N.D.
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.
20) 1,1-Dichloroethane	0.00	63	0	N.D.
21) 2,2-Dichloropropane	0.00	77	0	N.D.
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.
23) 2-Butanone	0.00	72	0	N.D.
24) Bromochloromethane	0.00	128	0	N.D.
25) Chloroform	0.00	83	0	N.D.
26) Cyclohexane	0.00	56	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.
30) 1,1-Dichloropropene	0.00	110	0	N.D. d
31) Carbon tetrachloride	0.00	119	0	N.D.
32) Benzene	0.00	78	0	N.D.
33) 1,2-Dichloroethane	0.00	62	0	N.D.
34) Trichloroethene	0.00	130	0	N.D.
35) Methylcyclohexane	0.00	55	0	N.D.
36) 1,2-Dichloropropane	0.00	63	0	N.D.
37) Dibromomethane	0.00	93	0	N.D.
38) Bromodichloromethane	0.00	83	0	N.D.
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d
43) Toluene	0.00	92	0	N.D.
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.
47) 2-Hexanone	0.00	43	0	N.D.
48) Tetrachloroethene	0.00	166	0	N.D.
49) 1,3-Dichloropropane	0.00	76	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:30 2004 Quant Results File: VW052704.RES

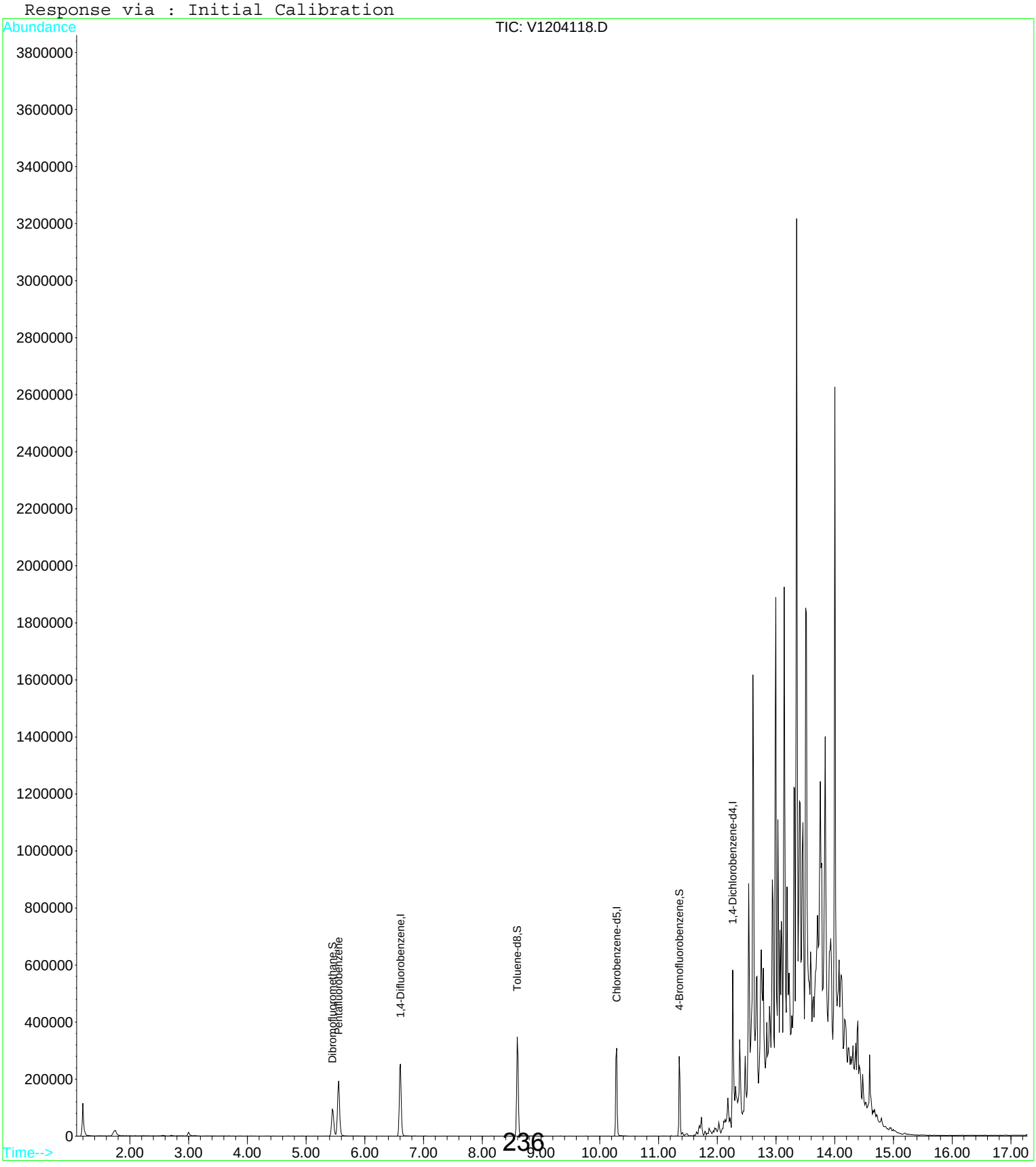
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50) Dibromochloromethane	0.00	129	0	N.D.	
51) 1,2-Dibromoethane	0.00	107	0	N.D.	
52) Chlorobenzene	0.00	112	0	N.D.	
53) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54) Ethylbenzene	0.00	91	0	N.D.	
55) m,p-Xylene	0.00	91	0	N.D.	
56) o-Xylene	0.00	91	0	N.D.	
57) Styrene	0.00	104	0	N.D.	
58) Bromoform	0.00	173	0	N.D.	
61) Bromobenzene	0.00	156	0	N.D.	
62) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	d
63) 1,2,3-Trichloropropane	0.00	75	0	N.D.	d
64) Isopropylbenzene	0.00	105	0	N.D.	
65) n-Propylbenzene	0.00	91	0	N.D.	
66) trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67) 2-Chlorotoluene	0.00	91	0	N.D.	
68) 4-Chlorotoluene	12.13	91	1287	N.D.	
69) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70) tert-Butylbenzene	0.00	119	0	N.D.	
71) 1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72) sec-Butylbenzene	12.54	105	1139	N.D.	
73) 1,3-Dichlorobenzene	0.00	146	0	N.D.	
74) 4-Isopropyltoluene	0.00	119	0	N.D.	
75) 1,4-Dichlorobenzene	0.00	146	0	N.D.	
76) 1,2-Dichlorobenzene	0.00	146	0	N.D.	
77) n-Butylbenzene	0.00	91	0	N.D.	d
78) 1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	d
80) Hexachlorobutadiene	0.00	225	0	N.D.	
81) Naphthalene	0.00	128	0	N.D.	d
82) 1,2,3-Trichlorobenzene	0.00	180	0	N.D.	d

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:30 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.200	6	10	18	rBV	115434	200552	4.18%	0.291%
2	1.756	49	57	62	rBV4	19190	76817	1.60%	0.112%
3	5.448	364	369	374	rBV	93819	252276	5.26%	0.366%
4	5.554	374	378	391	rVB	193328	479809	10.00%	0.697%
5	6.607	462	467	473	rBV	252836	567711	11.84%	0.824%
6	8.595	631	635	642	rBV	347484	652593	13.61%	0.948%
7	10.287	774	778	781	rBV	308238	505370	10.54%	0.734%
8	11.352	865	868	871	rBV	279628	396639	8.27%	0.576%
9	11.695	895	897	898	rBV	29837	52029	1.08%	0.076%
10	11.731	898	900	903	rVB2	63514	95131	1.98%	0.138%
11	12.027	923	925	928	rVB2	36920	56219	1.17%	0.082%
12	12.133	928	934	935	rBV3	47547	146550	3.06%	0.213%
13	12.181	935	938	940	rVV2	117633	230020	4.80%	0.334%
14	12.263	943	945	948	rVV	562352	863993	18.01%	1.255%
15	12.311	948	949	952	rVV2	152121	335039	6.99%	0.487%
16	12.382	953	955	959	rVV2	313662	596596	12.44%	0.866%
17	12.476	960	963	965	rVV	252120	490506	10.23%	0.712%
18	12.536	965	968	970	rVV	855467	1479278	30.84%	2.148%
19	12.607	972	974	977	rVV	1583587	2745868	57.25%	3.987%
20	12.678	977	980	982	rVV	523813	1227780	25.60%	1.783%
21	12.749	982	986	988	rVV2	614947	1768027	36.86%	2.567%
22	12.784	988	989	992	rVV3	548164	905661	18.88%	1.315%
23	12.843	992	994	995	rVV	355905	589122	12.28%	0.855%
24	12.891	995	998	1000	rVV2	410477	1105389	23.05%	1.605%
25	12.938	1000	1002	1005	rVV2	851819	1875797	39.11%	2.724%
26	12.997	1005	1007	1009	rVV	1840416	2821343	58.82%	4.097%
27	13.033	1009	1010	1012	rVV	1058974	1421125	29.63%	2.064%
28	13.068	1012	1013	1014	rVV	670392	791102	16.49%	1.149%
29	13.092	1014	1015	1017	rVV2	700209	1152106	24.02%	1.673%
30	13.139	1017	1019	1022	rVV2	1870781	3216369	67.06%	4.670%
31	13.186	1022	1023	1025	rVV	817326	1269787	26.47%	1.844%
32	13.269	1028	1030	1031	rVV	362567	696384	14.52%	1.011%
33	13.305	1031	1033	1035	rVV	1161298	2203785	45.95%	3.200%
34	13.352	1035	1037	1039	rVV	3153811	4542275	94.70%	6.596%
35	13.399	1039	1041	1043	rVV2	1108624	2496285	52.05%	3.625%
36	13.459	1043	1046	1048	rVV3	1031791	2482059	51.75%	3.604%
37	13.506	1048	1050	1056	rVV2	1781809	4796365	100.00%	6.965%
38	13.589	1056	1057	1059	rVV2	573445	989272	20.63%	1.437%
39	13.636	1059	1061	1062	rVV2	414597	816781	17.03%	1.186%
40	13.707	1062	1067	1068	rVV3	697270	2355369	49.11%	3.420%
41	13.754	1068	1071	1074	rVV3	1164027	3433111	71.58%	4.985%
42	13.837	1074	1078	1082	rVV2	1317598	3628723	75.66%	5.269%
43	13.932	1082	1086	1089	rVV4	605883	2274891	47.43%	3.303%
44	14.003	1089	1092	1095	rVV	2537098	3820478	79.65%	5.548%
45	14.074	1096	1098	1099	rVV	526043	930101	19.39%	1.351%

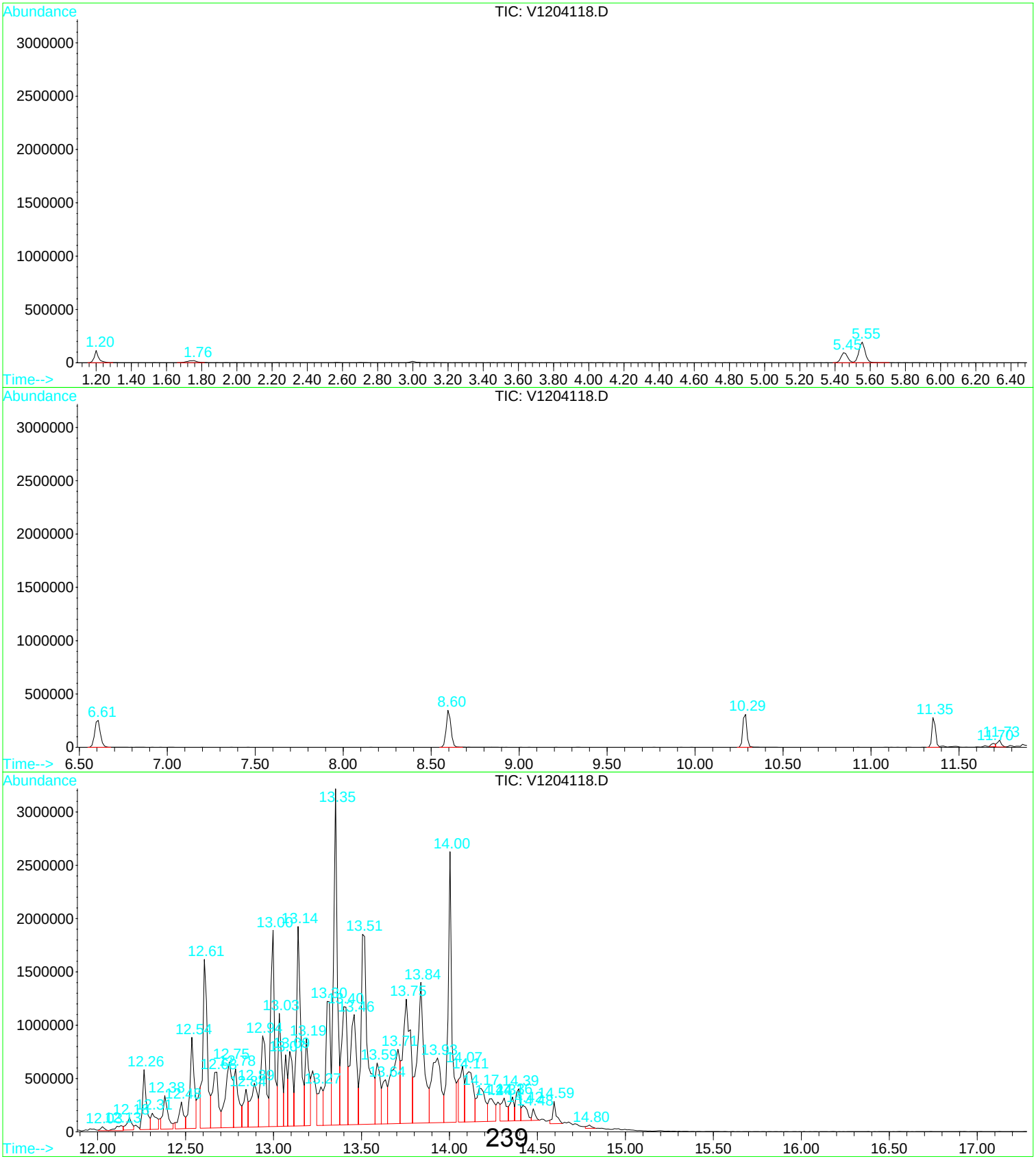
46	14.109	1099	1101	1104	rVV3	470276	1377092	28.71%	2.000%
47	14.169	1104	1106	1110	rVV4	312444	1048212	21.85%	1.522%
48	14.240	1110	1112	1114	rVV2	211176	534529	11.14%	0.776%
49	14.311	1116	1118	1120	rVV2	215665	467387	9.74%	0.679%
50	14.358	1120	1122	1123	rVV2	223390	368577	7.68%	0.535%
51	14.393	1123	1125	1126	rVV	299226	480613	10.02%	0.698%
52	14.417	1126	1127	1131	rVV3	138984	303333	6.32%	0.440%
53	14.476	1131	1132	1135	rVB	107424	120544	2.51%	0.175%
54	14.595	1140	1142	1146	rVB2	207370	282923	5.90%	0.411%
55	14.796	1157	1159	1162	rVB2	29933	51109	1.07%	0.074%

Sum of corrected areas: 68866802

V1204118.D VW052704.M Thu Jul 15 15:01:08 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062404\V1204118.D
Operator : TMP
Acquired : 24 Jun 2004 8:47 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406C14-003A *100
Misc Info : SAMP 8260_TCL4.2_X
Vial Number: 24
Quant File :VW052704.RES (RTE Integrator)



V1204118.D VW052704.M Thu Jul 15 15:01:09 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Naphthalene, decahydro-, trans Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	85.61 ug/L	1479280	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	92
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	92

****

Peak Number 2 Undecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	158.91 ug/L	2745870	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Decane	142	C10H22	000124-18-5	83
3	Tridecane	184	C13H28	000629-50-5	83
4	Undecane	156	C11H24	001120-21-4	80
5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	72

****

Peak Number 3 Cyclohexane, 1-ethyl-2-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	71.05 ug/L	1227780	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	59
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43
3	2,6-Octadienal, 3,7-dimethyl-	152	C10H16O	005392-40-5	38
4	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
5	2,6-Octadienal, 3,7-dimethyl-	152	C10H16O	005392-40-5	38

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 4 Cyclohexane, 1,4-dimethyl-, trans Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	102.32 ug/L	1768030	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	59
5	1-(1-Methyl-cyclohexyl)-ethanone	140	C9H16O	1000193-88-2	53

****

Peak Number 5 Spiro[4.5]decane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	108.55 ug/L	1875800	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[4.5]decane	138	C10H18	000176-63-6	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Spiro[4.5]decane	138	C10H18	000176-63-6	90
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	87

****

Peak Number 6 Naphthalene, decahydro-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	163.27 ug/L	2821340	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3	Cyclohexanone, 5-methyl-2-(1-methyl	152	C10H16O	015932-80-6	76
4	Cyclohexanone, 5-methyl-2-(1-methyl	152	C10H16O	015932-80-6	76
5	Pulegone	152	C10H16O	000089-82-7	74

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 7 Cyclopentane, 1-hexyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	82.24 ug/L	1421130	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	62
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	n-Amylcyclohexane	154	C11H22	029949-27-7	52
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	50
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	43

****

Peak Number 8 1-Methyldecahydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	186.13 ug/L	3216370	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74

****

Peak Number 9 Naphthalene, decahydro-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	73.48 ug/L	1269790	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
2	Bicyclo[4.1.0]heptan-3-one, 4,7,7-t	152	C10H16O	004176-04-9	83
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	80
4	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	74
5	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	74

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 cis-Decalin, 2-syn-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	127.54 ug/L	2203790	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
3	Bicyclo[2.2.1]heptane, 2-butyl-	152	C11H20	061177-16-0	64
4	Cyclohexane, 1-methyl-4-(1-methylet	138	C10H18	001124-27-2	58
5	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	49

****

Peak Number 11 Dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	262.87 ug/L	4542280	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	97
2	Dodecane	170	C12H26	000112-40-3	96
3	Dodecane	170	C12H26	000112-40-3	94
4	Dodecane	170	C12H26	000112-40-3	94
5	Undecane	156	C11H24	001120-21-4	90

****

Peak Number 12 Spiro[5.6]dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	144.46 ug/L	2496290	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[5.6]dodecane	166	C12H22	000181-15-7	46
2	3-Octyne, 5-methyl-	124	C9H16	062108-33-2	38
3	1-Tridecyne	180	C13H24	026186-02-7	38
4	3-(2-Hydroxycyclohexyl)-furan	166	C10H14O2	1000144-53-3	38
5	cis, cis-2-Ethylbicyclo[4.4.0]decan	166	C12H22	066660-40-0	30

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

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Peak Number 13 Decalin, syn-1-methyl-, cis- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	143.64 ug/L	2482060	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	55
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	45
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	45
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	42
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	38

****

Peak Number 14 cis,trans-1,10-Dimethylspiro[4.5] decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	277.57 ug/L	4796370	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,trans-1,10-Dimethylspiro[4.5]de	166	C12H22	1000111-72-3	90
2	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	87
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4	Naphthalene, decahydro-2,6-dimethyl	166	C12H22	001618-22-0	76
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	76

****

Peak Number 15 2(1H)-Naphthalenone, octahydro-8a-methyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	136.31 ug/L	2355370	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-8a-m	166	C11H18O	002530-17-8	41
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
3	5-t-Butyl-cycloheptene	152	C11H20	1000189-30-7	30
4	(4-Methyl-pent-3-enyl)-cyclohexane	166	C12H22	1000185-19-1	30
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	30

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 16 3-Tridecene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	198.68 ug/L	3433110	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tridecene, (E)-	182	C13H26	041446-57-5	64
2	3-Dodecene, (Z)-	168	C12H24	007239-23-8	60
3	Cyclohexane, 2-butyl-1,1,3-trimethy	182	C13H26	054676-39-0	60
4	6-Tridecene, (E)-	182	C13H26	006434-76-0	58
5	6-Tridecene, (Z)-	182	C13H26	006508-77-6	58

****

Peak Number 17 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	210.00 ug/L	3628720	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	53
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53

****

Peak Number 18 Naphthalene, decahydro-1,5-dimethyl Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	131.65 ug/L	2274890	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,5-dimethyl	166	C12H22	066552-62-3	83
2	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	83
3	Naphthalene, decahydro-2,6-dimethyl	166	C12H22	001618-22-0	81
4	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	78
5	trans,trans-1,10-Dimethylspiro[4.5]	166	C12H22	1000111-72-1	76

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062404\V1204118.D Vial: 24
Acq On : 24 Jun 2004 8:47 pm Operator: TMP
Sample : 0406C14-003A *100 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 19 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	221.09 ug/L	3820480	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tridecane	184	C13H28	000629-50-5	97
3	Tridecane	184	C13H28	000629-50-5	90
4	Dodecane	170	C12H26	000112-40-3	90
5	Dodecane	170	C12H26	000112-40-3	90

****

Peak Number 20 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	79.69 ug/L	1377090	1,4-Dichlorobenzene-d4	12.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30
2	2(3H)-Benzofuranone, 3a,4,5,6-tetra	180	C11H16O2	016778-26-0	27
3	1,4-Oxathiino[3,2-b]pyridine, 6-met	165	C8H7NOS	056114-39-7	22
4	1H-Phenalene	166	C13H10	000203-80-5	14
5	1,6-Heptadiene, 3,5-dimethyl-	124	C9H16	068701-99-5	14

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 24 Jun 2004 8:47 pm
Data File: C:\HPCHEM\1\DATA\062404\V1204118.D
Name: 0406C14-003A *100X DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Naphthalene, decahydro-, trans	12.54	85.6	ug/L	1479280	ISTD04	12.26	863993	50.0
Undecane	12.61	158.9	ug/L	2745870	ISTD04	12.26	863993	50.0
Cyclohexane, 1-ethyl-2-propyl-	12.68	71.1	ug/L	1227780	ISTD04	12.26	863993	50.0
Cyclohexane, 1,4-dimethyl-, trans	12.75	102.3	ug/L	1768030	ISTD04	12.26	863993	50.0
Spiro[4.5]decane	12.94	108.6	ug/L	1875800	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-2-methyl-	13.00	163.3	ug/L	2821340	ISTD04	12.26	863993	50.0
Cyclopentane, 1-hexyl-3-methyl-	13.03	82.2	ug/L	1421130	ISTD04	12.26	863993	50.0
1-Methyldecahydronaphthalene	13.14	186.1	ug/L	3216370	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-2-methyl-	13.19	73.5	ug/L	1269790	ISTD04	12.26	863993	50.0
cis-Decalin, 2-syn-methyl-	13.30	127.5	ug/L	2203790	ISTD04	12.26	863993	50.0
Dodecane	13.35	262.9	ug/L	4542280	ISTD04	12.26	863993	50.0
Spiro[5.6]dodecane	13.40	144.5	ug/L	2496290	ISTD04	12.26	863993	50.0
Decalin, syn-1-methyl-, cis-	13.46	143.6	ug/L	2482060	ISTD04	12.26	863993	50.0
cis,trans-1,10-Dimethylspiro[4.5] decane	13.51	277.6	ug/L	4796370	ISTD04	12.26	863993	50.0
2(1H)-Naphthalenone, octahydro-8a-methyl	13.71	136.3	ug/L	2355370	ISTD04	12.26	863993	50.0
3-Tridecene, (E)-	13.75	198.7	ug/L	3433110	ISTD04	12.26	863993	50.0
Octane, 2,6-dimethyl	13.84	210.0	ug/L	3628720	ISTD04	12.26	863993	50.0
Naphthalene, decahydro-1,5-dimethyl	13.93	131.7	ug/L	2274890	ISTD04	12.26	863993	50.0
Tridecane	14.00	221.1	ug/L	3820480	ISTD04	12.26	863993	50.0
Cyclohexane, 1,1,2-t	14.11	79.7	ug/L	1377090	ISTD04	12.26	863993	50.0

V1204118.D VW052704.M Fri Jul 16 08:44:51 2004

Injection Log

Directory: C:\HPCHEM\1\DATA\062504

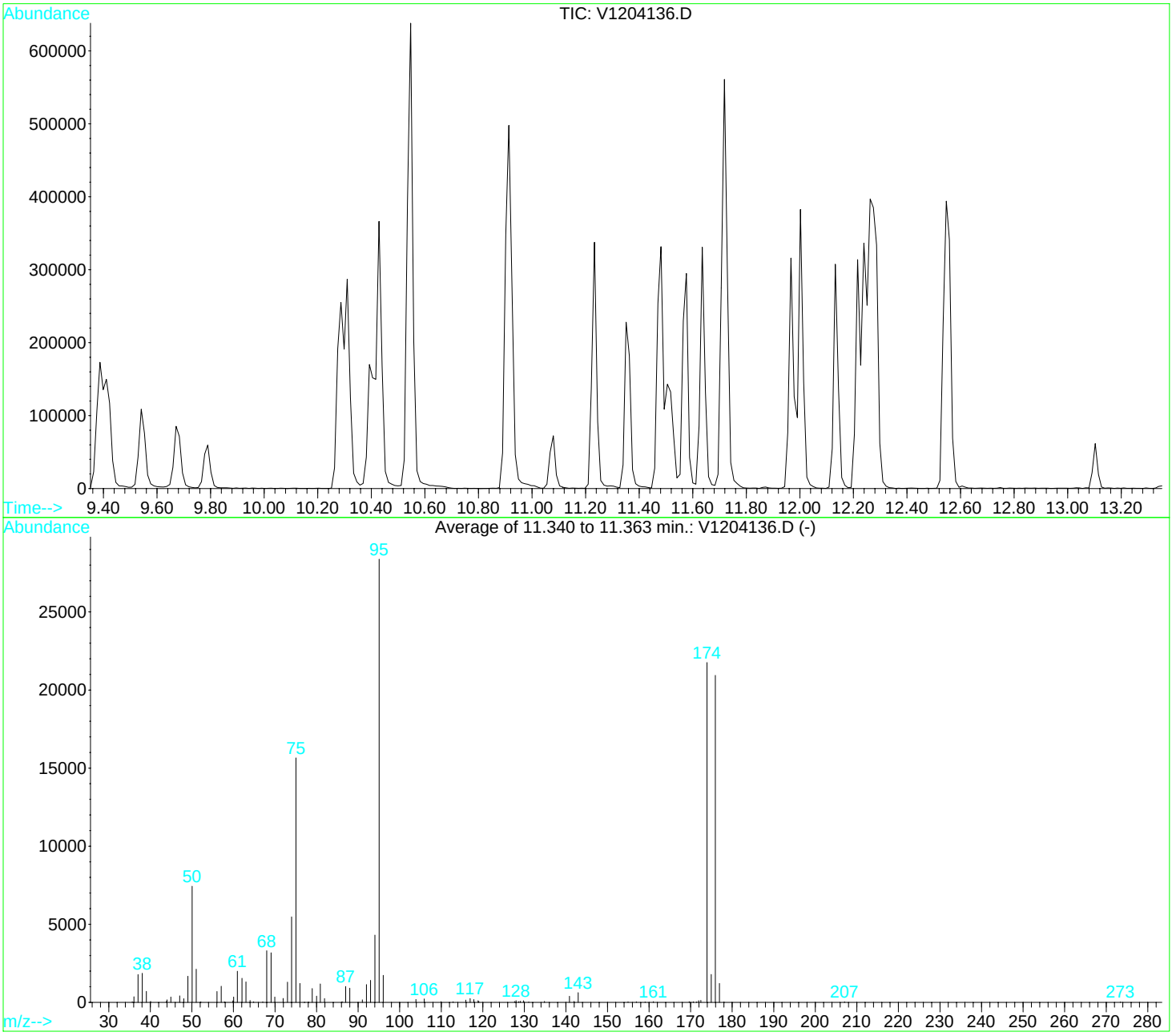
Line	Vial	FileName	Multiplier	SampleName			Misc Info	Injected
1	1	V1204130.D	1.	BLANK			BLANK	25 Jun 2004 08:09
2	2	V1204131.D	1.	BFB			TUNE BFB_4	25 Jun 2004 08:34
3	3	V1204132.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 08:59
4	4	V1204133.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 09:24
5	5	V1204134.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 09:49
6	6	V1204135.D	1.	MB----------			MBLK 8260B_W	25 Jun 2004 10:14
7	7	V1204136.D	1.	BFB			TUNE BFB_4	25 Jun 2004 10:39
8	8	V1204137.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 11:07
9	9	V1204138.D	1.	MB-47082			MBLK 8260B_W	25 Jun 2004 11:32
10	10	V1204139.D	1.	MB-47074			MBLK 8260_TCL4.2_X	25 Jun 2004 11:57
11	11	V1204140.D	1.	0406B33-003A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:22
12	12	V1204141.D	1.	0406C14-001A	*50		SAMP 8260_TCL4.2_X	25 Jun 2004 12:47
13	13	V1204142.D	1.	0406C14-007A	*5		SAMP 8260_TCL4.2_W	25 Jun 2004 13:12
14	14	V1204143.D	1.	0406C14-006A			SAMP 8260_TCL4.2_W	25 Jun 2004 13:37
15	15	V1204144.D	1.	0406B33-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:02
16	16	V1204145.D	1.	0406B33-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:26
17	17	V1204146.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 14:51
18	18	V1204147.D	1.	BLANK			BLANK	25 Jun 2004 15:16
19	19	V1204148.D	1.	0406B33-001A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 15:40
20	20	V1204149.D	1.	0406C14-006A	*10		SAMP 8260_TCL4.2_W	25 Jun 2004 16:05
21	21	V1204150.D	1.	0406B78-001A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:30
22	22	V1204151.D	1.	0406B78-003A			SAMP 8260_TCL4.2_W	25 Jun 2004 16:55
23	23	V1204152.D	1.	0406B54-003A	*50	8.79g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:20
24	24	V1204153.D	1.	0406B54-007A	*50	7.29g	SAMP 8260_TCL4.2_S	25 Jun 2004 17:45
25	25	V1204154.D	1.	0406B78-002A			SAMP 8260_TCL4.2_W	25 Jun 2004 18:09
26	26	V1204155.D	1.	0406983-017A			SAMP 8260B_W	25 Jun 2004 18:34
27	27	V1204156.D	1.	BLANK			BLANK	25 Jun 2004 18:59
28	28	V1204157.D	1.	BLANK			BLANK	25 Jun 2004 19:24
29	29	V1204158.D	1.	BFB			TUNE BFB_4	25 Jun 2004 19:49
30	30	V1204159.D	1.	8260 CCV 050 W			CCV 8260B_W	25 Jun 2004 20:14
31	31	V1204160.D	1.	MB-47125			MBLK 8260B_W	25 Jun 2004 20:39
32	32	V1204161.D	1.	LCS-47125			LCS 8260B_W	25 Jun 2004 21:04
33	33	V1204162.D	1.	0406B14-001A			SAMP 8260_A1_W	25 Jun 2004 21:29
34	34	V1204163.D	1.	0406B42-004A			SAMP 8260_A1_W	25 Jun 2004 21:53
35	35	V1204164.D	1.	0406B42-005A			SAMP 8260_A1_W	25 Jun 2004 22:18
36	36	V1204165.D	1.	0406B14-005A			SAMP 8260_A1_W	25 Jun 2004 22:43

Injection Log

Directory: C:\HPCHEM\1\DATA\062504

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
37	37	V1204166.D	1.	0406B42-003A	SAMP 8260_A1_W	25 Jun 2004 23:07
38	38	V1204167.D	1.	0406B42-002A	SAMP 8260_A1_W	25 Jun 2004 23:32
39	39	V1204168.D	1.	0406B42-001A	SAMP 8260_A1_W	25 Jun 2004 23:57
40	40	V1204169.D	1.	0406B14-002A	SAMP 8260_A1_W	26 Jun 2004 00:22
41	41	V1204170.D	1.	0406B14-002AMS	MS 8260_A1_W	26 Jun 2004 00:47
42	41	V1204171.D	1.	0406B14-002AMSD	MSD 8260_A1_W	26 Jun 2004 01:12
43	42	V1204172.D	1.	0406B14-010A	SAMP 8260_A1_W	26 Jun 2004 01:36
44	43	V1204173.D	1.	0406B14-011A	SAMP 8260_A1_W	26 Jun 2004 02:01
45	44	V1204174.D	1.	0406B14-003A	SAMP 8260_A1_W	26 Jun 2004 02:26
46	45	V1204175.D	1.	0406B14-004A	SAMP 8260_A1_W	26 Jun 2004 02:51
47	46	V1204176.D	1.	0406B14-006A	SAMP 8260_A1_W	26 Jun 2004 03:15
48	47	V1204177.D	1.	0406B14-007A	SAMP 8260_A1_W	26 Jun 2004 03:40
49	48	V1204178.D	1.	0406B14-008A	SAMP 8260_A1_W	26 Jun 2004 04:05
50	49	V1204179.D	1.	0406B14-009A	SAMP 8260_A1_W	26 Jun 2004 04:29
51	50	V1204180.D	1.	0406B14-012A	SAMP 8260_TCL4.2_W	26 Jun 2004 04:54
52	51	V1204181.D	1.	0406B21-005A	SAMP 8260_TCL4.2_W	26 Jun 2004 05:19
53	1	V1204182.D	1.	0406B38-022A	SAMP 8260B_W	26 Jun 2004 05:44
54	2	V1204183.D	1.	0406B21-002A	SAMP 8260B_W	26 Jun 2004 06:09

Data File : C:\HPCHEM\1\DATA\062504\V1204136.D Vial: 7
Acq On : 25 Jun 2004 10:39 am Operator: TMP
Sample : BFB Inst : GC/MS 12
Misc : TUNE BFB 4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.



Spectrum Information: Average of 11.340 to 11.363 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.2	7439	PASS
75	95	30	60	55.2	15652	PASS
95	95	100	100	100.0	28378	PASS
96	95	5	9	6.1	1736	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.7	21759	PASS
175	174	5	9	8.2	1791	PASS
176	174	95	101	96.2	20941	PASS
177	176	5	9	5.8	1213	PASS

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		Pentafluorobenzene	1.000	1.000	0.0	75	0.00
2	T	Dichlorodifluoromethane	0.368	0.469	-27.4	92	0.01
3	pcc	Chloromethane	0.530	0.447	15.7	65	0.00
4	ccc	Vinyl chloride	0.404	0.373	7.7	68	0.00
5	T	Bromomethane	0.186	0.187	-0.5	101	0.04
6	T	Chloroethane	0.258	0.212	17.8	83	0.01
7	T	Trichlorofluoromethane	0.675	0.923	-36.7#	104	0.01
8	T	Acrolein	0.064	0.022	65.6#	26#	0.00
9	ccc	1,1-Dichloroethene	0.423	0.381	9.9	70	0.01
10		Freon-113	0.327	0.325	0.6	79	0.01
11	T	Acetone	0.072	0.063	12.5	0#	0.00
12	T	Iodomethane	0.681	0.568	16.6	66	0.01
13	T	Carbon disulfide	1.384	0.945	31.7#	54	0.01
14		Methyl Acetate	0.885	0.424	52.1#	40#	0.00
15	T	Vinyl acetate	0.443	0.212	52.1#	40#	0.00
16	T	Methylene chloride	0.616	0.403	34.6#	63	0.00
17	T	Acrylonitrile	0.248	0.156	37.1#	49#	0.00
18		Methyl tert-butyl ether	1.415	1.203	15.0	66	0.00
19	T	trans-1,2-Dichloroethene	0.505	0.410	18.8	63	0.01
20	pcc	1,1-Dichloroethane	1.070	0.876	18.1	67	0.01
21	T	2,2-Dichloropropane	0.413	0.522	-26.4	100	0.00
22	T	cis-1,2-Dichloroethene	0.535	0.486	9.2	71	0.00
23	T	2-Butanone	0.074	0.065	12.2	67	0.00
24	T	Bromochloromethane	0.249	0.230	7.6	74	0.00
25	ccc	Chloroform	0.877	0.817	6.8	78	0.00
26		Cyclohexane	0.848	0.709	16.4	69	0.01
27	T	1,1,1-Trichloroethane	0.614	0.763	-24.3	96	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
29	S	Dibromofluoromethane	0.299	0.312	-4.3	80	0.00
30	T	1,1-Dichloropropene	0.138	0.146	-5.8	77	0.01
31	T	Carbon tetrachloride	0.313	0.453	-44.7#	104	0.00
32	M	Benzene	1.300	1.258	3.2	68	0.00
33	T	1,2-Dichloroethane	0.440	0.509	-15.7	85	0.00
34	M	Trichloroethene	0.289	0.316	-9.3	81	0.00
35		Methylcyclohexane	0.268	0.301	-12.3	78	0.00
36	ccc	1,2-Dichloropropane	0.340	0.302	11.2	63	0.00
37	T	Dibromomethane	0.179	0.187	-4.5	73	0.00
38	T	Bromodichloromethane	0.322	0.367	-14.0	82	0.00
39	T	2-Chloroethyl vinyl ether	0.290	0.240	17.2	55	0.00
40	T	cis-1,3-Dichloropropene	0.401	0.409	-2.0	68	0.00
41	T	4-Methyl-2-pentanone	0.339	0.290	14.5	56	0.00
42	S	Toluene-d8	0.953	1.010	-6.0	75	0.00
43	ccc	Toluene	0.687	0.734	-6.8	73	-0.01
44	T	trans-1,3-Dichloropropene	0.335	0.368	-9.9	72	0.00
45	T	1,1,2-Trichloroethane	0.191	0.187	2.1	69	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
47	T	2-Hexanone	0.340	0.322	5.3	65	0.00
48	T	Tetrachloroethene	0.318	0.362	-13.8	86	0.00
49	T	1,3-Dichloropropane	0.594	0.559	5.9	71	0.00
50	T	Dibromochloromethane	0.309	0.339	-9.7	79	0.00
51	T	1,2-Dibromoethane	0.307	0.314	-2.3	75	0.00
52	pcc	Chlorobenzene	1.018	1.020	-0.2	78	0.00
53	T	1,1,1,2-Tetrachloroethane	0.294	0.357	-21.4	87	-0.01
54	ccc	Ethylbenzene	1.566	1.662	-6.1	76	0.00
55	T	m,p-Xylene	1.191	1.306	-9.7	78	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	T	o-Xylene	1.198	1.317	-9.9	79	0.00
57	T	Styrene	1.009	1.012	-0.3	71	-0.01
58	pcc	Bromoform	0.211	0.242	-14.7	86	0.00
59	S	4-Bromofluorobenzene	0.431	0.503	-16.7	84	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
61	T	Bromobenzene	0.674	0.746	-10.7	82	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.796	0.689	13.4	65	0.00
63	T	1,2,3-Trichloropropane	1.241	0.798	35.7#	48#	-0.01
64	T	Isopropylbenzene	2.175	2.400	-10.3	81	0.00
65	T	n-Propylbenzene	2.837	2.943	-3.7	76	0.00
66	T	trans-1,4-Dichloro-2-butene	0.048	0.010	79.2#	14#	0.00
67	T	2-Chlorotoluene	1.847	1.899	-2.8	77	0.00
68	T	4-Chlorotoluene	2.170	2.262	-4.2	77	0.00
69	T	1,3,5-Trimethylbenzene	1.854	1.934	-4.3	79	0.00
70	T	tert-Butylbenzene	1.653	1.876	-13.5	83	0.00
71	T	1,2,4-Trimethylbenzene	1.987	2.077	-4.5	79	0.00
72	T	sec-Butylbenzene	1.987	2.098	-5.6	79	0.00
73	T	1,3-Dichlorobenzene	1.199	1.256	-4.8	78	0.00
74	T	4-Isopropyltoluene	1.803	1.968	-9.2	81	0.00
75	T	1,4-Dichlorobenzene	1.329	1.330	-0.1	80	0.00
76	T	1,2-Dichlorobenzene	1.214	1.256	-3.5	80	0.00
77	T	n-Butylbenzene	1.555	1.744	-12.2	83	0.00
78	T	1,2-Dibromo-3-chloropropane	0.133	0.152	-14.3	90	0.00
79	T	1,2,4-Trichlorobenzene	0.596	0.686	-15.1	86	0.00
80	T	Hexachlorobutadiene	0.229	0.298	-30.1#	102	0.00
81	T	Naphthalene	1.855	2.035	-9.7	76	0.00
82	T	1,2,3-Trichlorobenzene	0.570	0.646	-13.3	83	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.55	168	127671	50.00	ug/L		0.00
28) 1,4-Difluorobenzene	6.61	114	178466	50.00	ug/L		0.00
46) Chlorobenzene-d5	10.29	117	130442	50.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	12.26	152	75447	50.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	5.45	113	55757	52.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 104.54%				
42) Toluene-d8	8.60	98	180211	53.00	ug/L		0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 106.00%				
59) 4-Bromofluorobenzene	11.35	95	65561	58.35	ug/L		0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 116.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.35	85	59834	63.69	ug/L		98
3) Chloromethane	1.47	50	57051	42.16	ug/L		94
4) Vinyl chloride	1.57	62	47639	46.18	ug/L		96
5) Bromomethane	1.83	94	23813	58.44	ug/L		99
6) Chloroethane	1.90	64	27047	41.08	ug/L		98
7) Trichlorofluoromethane	2.10	101	117799	68.36	ug/L		98
8) Acrolein	2.43	56	5503	33.41	ug/L		95
9) 1,1-Dichloroethene	2.54	96	48663	45.02	ug/L	#	59
10) Freon-113	2.56	101	41538	49.71	µg/L	#	86
11) Acetone	2.57	58	16144	103.07	ug/L	#	1
12) Iodomethane	2.68	142	145032	83.42	ug/L	#	71
13) Carbon disulfide	2.75	76	241273	68.29	ug/L		100
14) Methyl Acetate	2.89	43	54193	23.98	µg/L	#	8
15) Vinyl acetate	2.89	43	54193	47.96	ug/L		92
16) Methylene chloride	3.00	84	51440	41.24	ug/L	#	68
17) Acrylonitrile	3.26	53	39771	62.78	ug/L		94
18) Methyl tert-butyl ether	3.32	73	153626	42.53	µg/L		96
19) trans-1,2-Dichloroethene	3.32	96	52318	40.57	ug/L		87
20) 1,1-Dichloroethane	3.84	63	111794	40.90	ug/L		98
21) 2,2-Dichloropropane	4.70	77	66621	63.15	ug/L		97
22) cis-1,2-Dichloroethene	4.70	96	61992	45.41	ug/L		90
23) 2-Butanone	4.74	72	16678	88.01	ug/L		54
24) Bromochloromethane	5.07	128	29417	46.33	ug/L	#	78
25) Chloroform	5.21	83	104295	46.55	ug/L		97
26) Cyclohexane	5.57	56	90513	41.81	µg/L		89
27) 1,1,1-Trichloroethane	5.47	97	97402	62.09	ug/L		97
30) 1,1-Dichloropropene	5.73	110	26048	53.03	ug/L		93
31) Carbon tetrachloride	5.72	119	80777	72.38	ug/L		99
32) Benzene	6.02	78	224596	48.41	ug/L		99
33) 1,2-Dichloroethane	6.05	62	90859	57.81	ug/L		97
34) Trichloroethene	6.95	130	56389	54.72	ug/L		93
35) Methylcyclohexane	7.21	55	53653	56.11	µg/L		94
36) 1,2-Dichloropropane	7.25	63	53822	44.41	ug/L	#	100
37) Dibromomethane	7.41	93	33415	52.18	ug/L		91
38) Bromodichloromethane	7.65	83	65585	57.00	ug/L		99
39) 2-Chloroethyl vinyl ether	8.09	63	85715	82.77	µg/L	#	100
40) cis-1,3-Dichloropropene	8.25	75	73006	51.04	ug/L		98
41) 4-Methyl-2-pentanone	8.48	43	103504	85.62	ug/L		91
43) Toluene	8.68	92	131075	53.47	ug/L		95
44) trans-1,3-Dichloropropene	9.00	75	65734	49.71	ug/L		99
45) 1,1,2-Trichloroethane	9.22	83	33448	49.09	ug/L		96
47) 2-Hexanone	9.54	43	83945	94.67	ug/L		88
48) Tetrachloroethene	9.39	166	47179	56.95	ug/L		91
49) 1,3-Dichloropropane	9.41	76	72865	47.04	ug/L		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

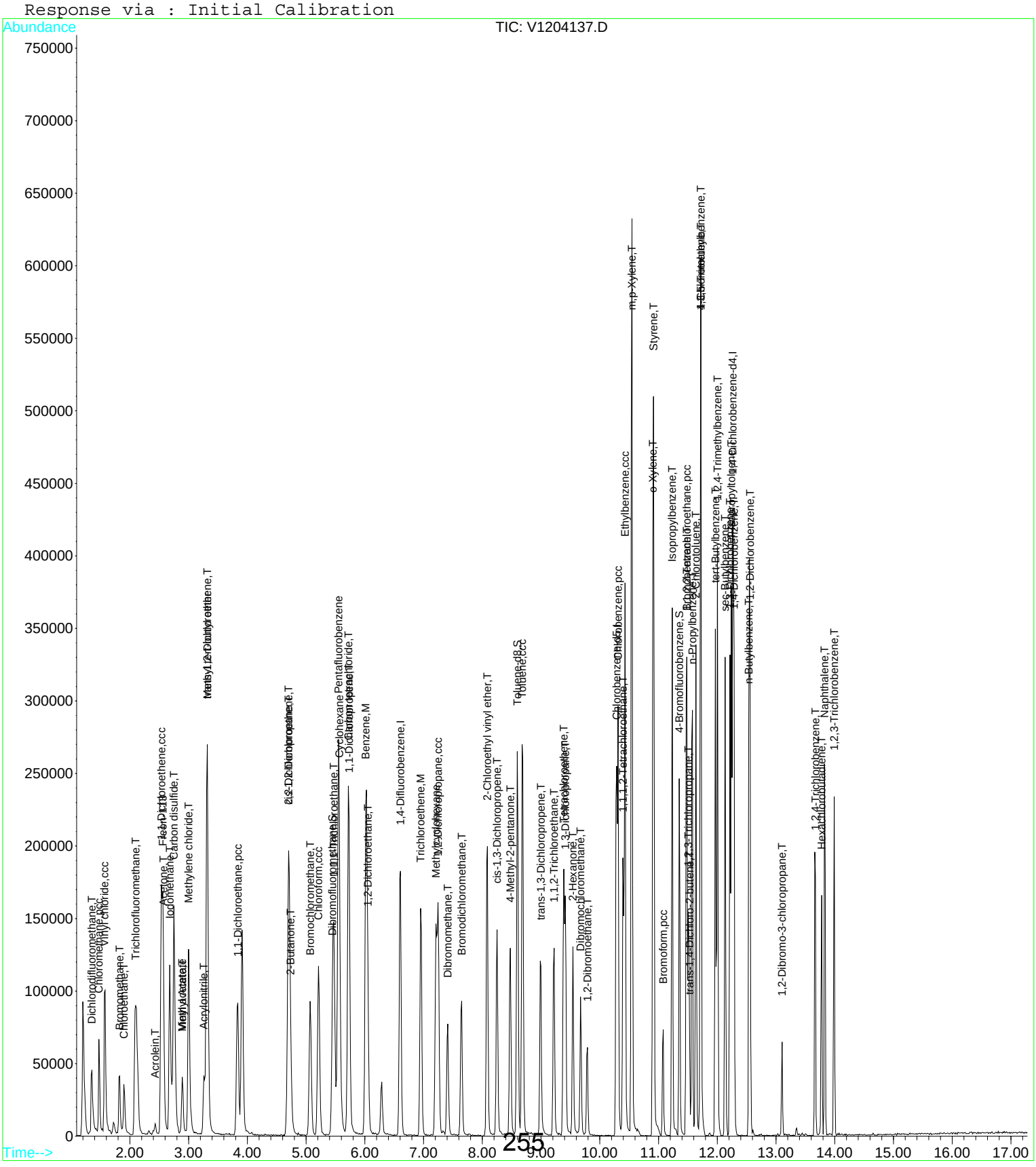
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Dibromochloromethane	9.67	129	44185	54.74	ug/L		96
51)	1,2-Dibromoethane	9.79	107	40909	51.12	ug/L	#	99
52)	Chlorobenzene	10.31	112	133108	50.14	ug/L		99
53)	1,1,1,2-Tetrachloroethane	10.39	131	46512	60.74	ug/L		95
54)	Ethylbenzene	10.43	91	216785	53.06	ug/L		98
55)	m,p-Xylene	10.55	91	340812	109.71	ug/L		93
56)	o-Xylene	10.90	91	171835	54.99	ug/L		92
57)	Styrene	10.91	104	132033	50.17	ug/L		91
58)	Bromoform	11.08	173	31611	57.56	ug/L		95
61)	Bromobenzene	11.48	156	56248	55.28	ug/L	#	78
62)	1,1,2,2-Tetrachloroethane	11.48	83	51951	43.26	ug/L		97
63)	1,2,3-Trichloropropane	11.51	75	60182	32.13	ug/L	#	1
64)	Isopropylbenzene	11.23	105	181099	55.19	ug/L		99
65)	n-Propylbenzene	11.58	91	222069	51.88	ug/L		96
66)	trans-1,4-Dichloro-2-buten	11.53	124	1514	26.35	ug/L	#	100
67)	2-Chlorotoluene	11.64	91	143244	51.38	ug/L		95
68)	4-Chlorotoluene	11.72	91	170689	52.12	ug/L		96
69)	1,3,5-Trimethylbenzene	11.72	105	145924	52.16	ug/L		100
70)	tert-Butylbenzene	11.97	119	141521	51.99	ug/L		89
71)	1,2,4-Trimethylbenzene	12.00	105	156669	52.26	ug/L		90
72)	sec-Butylbenzene	12.13	105	158262	52.80	ug/L		99
73)	1,3-Dichlorobenzene	12.22	146	94735	52.36	ug/L		96
74)	4-Isopropyltoluene	12.24	119	148444	54.58	ug/L		96
75)	1,4-Dichlorobenzene	12.29	146	100334	50.04	ug/L		97
76)	1,2-Dichlorobenzene	12.56	146	94748	51.74	ug/L		97
77)	n-Butylbenzene	12.54	91	131615	51.53	ug/L		99
78)	1,2-Dibromo-3-chloropropan	13.10	75	11431	57.07	ug/L		80
79)	1,2,4-Trichlorobenzene	13.67	180	51743	57.53	ug/L		100
80)	Hexachlorobutadiene	13.78	225	22469	64.94	ug/L		99
81)	Naphthalene	13.83	128	153529	49.29	ug/L		100
82)	1,2,3-Trichlorobenzene	13.99	180	48733	56.62	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204137.D Vial: 8
Acq On : 25 Jun 2004 11:07 am Operator: TMP
Sample : 8260 CCV 050 W Inst : GC/MS 12
Misc : CCV 8260B W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 11:48 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	114164	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.61	114	168387	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	108681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	54772	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.46	113	53065	52.73	ug/L	0.01
Spiked Amount 50.000	Range 70 - 126		Recovery = 105.46%			
42) Toluene-d8	8.60	98	154503	48.16	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 96.32%			
59) 4-Bromofluorobenzene	11.35	95	48874	52.21	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 104.42%			

Target Compounds				Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.
3) Chloromethane	0.00	50	0	N.D.
4) Vinyl chloride	0.00	62	0	N.D.
5) Bromomethane	0.00	94	0	N.D.
6) Chloroethane	0.00	64	0	N.D.
7) Trichlorofluoromethane	0.00	101	0	N.D.
8) Acrolein	0.00	56	0	N.D.
9) 1,1-Dichloroethene	0.00	96	0	N.D.
10) Freon-113	0.00	101	0	N.D.
11) Acetone	0.00	58	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Methyl Acetate	0.00	43	0	N.D. d
15) Vinyl acetate	0.00	43	0	N.D. d
16) Methylene chloride	0.00	84	0	N.D.
17) Acrylonitrile	0.00	53	0	N.D.
18) Methyl tert-butyl ether	0.00	73	0	N.D.
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.
20) 1,1-Dichloroethane	0.00	63	0	N.D.
21) 2,2-Dichloropropane	0.00	77	0	N.D.
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.
23) 2-Butanone	0.00	72	0	N.D.
24) Bromochloromethane	0.00	128	0	N.D.
25) Chloroform	0.00	83	0	N.D.
26) Cyclohexane	0.00	56	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.
30) 1,1-Dichloropropene	0.00	110	0	N.D. d
31) Carbon tetrachloride	0.00	119	0	N.D.
32) Benzene	0.00	78	0	N.D.
33) 1,2-Dichloroethane	0.00	62	0	N.D.
34) Trichloroethene	0.00	130	0	N.D.
35) Methylcyclohexane	0.00	55	0	N.D.
36) 1,2-Dichloropropane	0.00	63	0	N.D.
37) Dibromomethane	0.00	93	0	N.D.
38) Bromodichloromethane	0.00	83	0	N.D.
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.
41) 4-Methyl-2-pentanone	0.00	43	0	N.D.
43) Toluene	0.00	92	0	N.D.
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.
47) 2-Hexanone	0.00	43	0	N.D.
48) Tetrachloroethene	0.00	166	0	N.D.
49) 1,3-Dichloropropane	0.00	76	0	N.D.

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

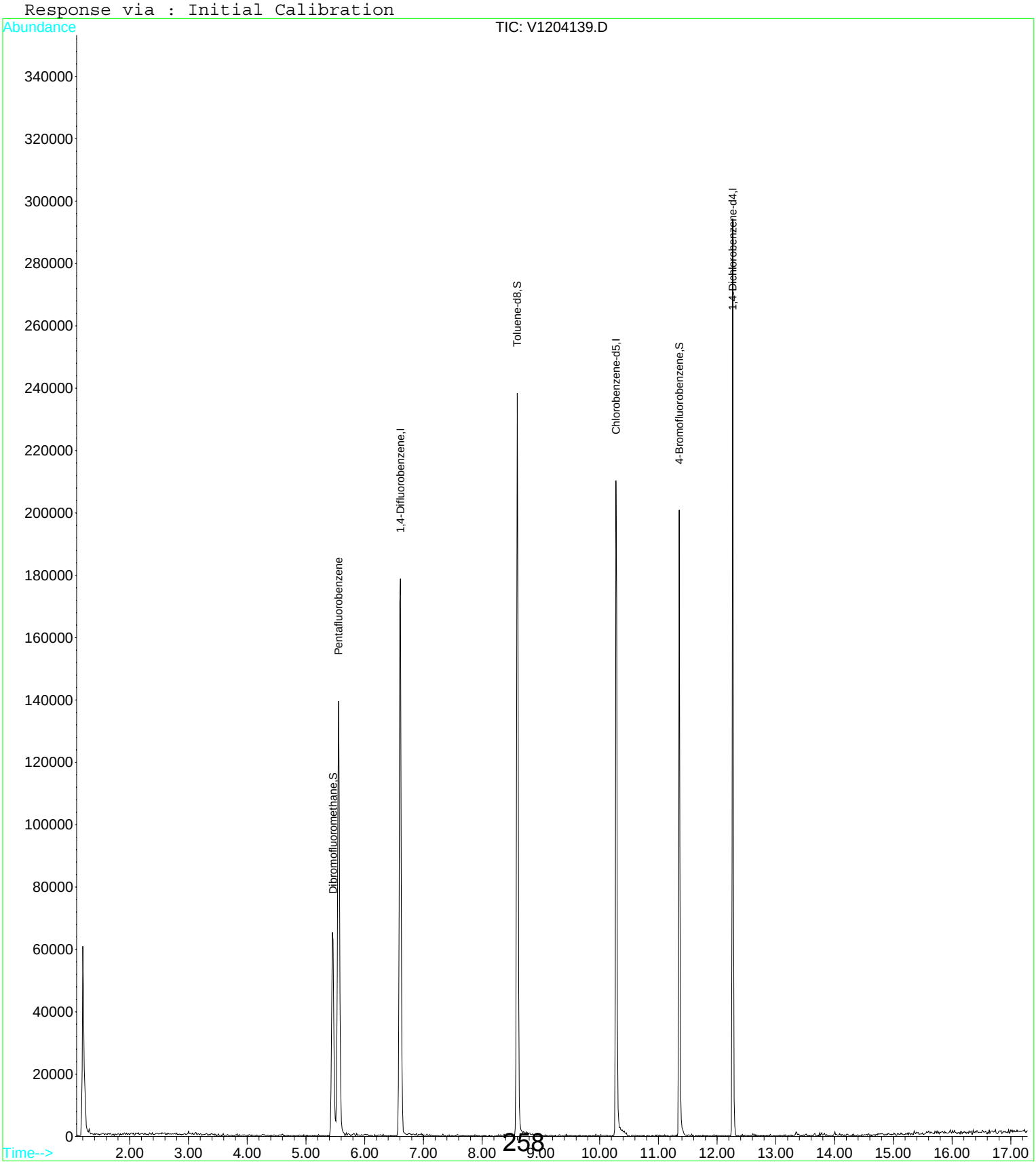
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	0.00	112	0	N.D.	
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	0.00	91	0	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D.	
56)	o-Xylene	0.00	91	0	N.D.	
57)	Styrene	0.00	104	0	N.D.	
58)	Bromoform	0.00	173	0	N.D.	
61)	Bromobenzene	0.00	156	0	N.D.	
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d
64)	Isopropylbenzene	0.00	105	0	N.D.	
65)	n-Propylbenzene	0.00	91	0	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	0.00	91	0	N.D.	
68)	4-Chlorotoluene	0.00	91	0	N.D.	
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.	
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.	
77)	n-Butylbenzene	0.00	91	0	N.D.	
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.	
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
80)	Hexachlorobutadiene	0.00	225	0	N.D.	
81)	Naphthalene	0.00	128	0	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204139.D Vial: 10
Acq On : 25 Jun 2004 11:57 am Operator: TMP
Sample : MB-47074 Inst : GC/MS 12
Misc : MBLK 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:21 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204141.D Vial: 12
Acq On : 25 Jun 2004 12:47 pm Operator: TMP
Sample : 0406C14-001A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:07 2004 Quant Results File: VW052704.RES

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.56	168	139573	50.00	ug/L	0.00
28) 1,4-Difluorobenzene	6.60	114	197453	50.00	ug/L	0.00
46) Chlorobenzene-d5	10.28	117	123985	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.27	152	65823	50.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.45	113	59477	50.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 126		Recovery = 100.80%			
42) Toluene-d8	8.60	98	180167	47.89	ug/L	0.00
Spiked Amount 50.000	Range 74 - 120		Recovery = 95.78%			
59) 4-Bromofluorobenzene	11.36	95	57051	53.42	ug/L	0.00
Spiked Amount 50.000	Range 63 - 121		Recovery = 106.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	94	0	N.D.		
6) Chloroethane	0.00	64	0	N.D. d		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) Acrolein	0.00	56	0	N.D.		
9) 1,1-Dichloroethene	0.00	96	0	N.D.		
10) Freon-113	0.00	101	0	N.D.		
11) Acetone	0.00	58	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Carbon disulfide	0.00	76	0	N.D.		
14) Methyl Acetate	0.00	43	0	N.D. d		
15) Vinyl acetate	0.00	43	0	N.D. d		
16) Methylene chloride	0.00	84	0	N.D. d		
17) Acrylonitrile	0.00	53	0	N.D.		
18) Methyl tert-butyl ether	0.00	73	0	N.D.		
19) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
20) 1,1-Dichloroethane	0.00	63	0	N.D.		
21) 2,2-Dichloropropane	0.00	77	0	N.D.		
22) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
23) 2-Butanone	0.00	72	0	N.D.		
24) Bromochloromethane	0.00	128	0	N.D.		
25) Chloroform	0.00	83	0	N.D.		
26) Cyclohexane	0.00	56	0	N.D. d		
27) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
30) 1,1-Dichloropropene	0.00	110	0	N.D. d		
31) Carbon tetrachloride	0.00	119	0	N.D. d		
32) Benzene	0.00	78	0	N.D.		
33) 1,2-Dichloroethane	0.00	62	0	N.D.		
34) Trichloroethene	0.00	130	0	N.D.		
35) Methylcyclohexane	0.00	55	0	N.D.		
36) 1,2-Dichloropropane	0.00	63	0	N.D.		
37) Dibromomethane	0.00	93	0	N.D.		
38) Bromodichloromethane	0.00	83	0	N.D.		
39) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
40) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
41) 4-Methyl-2-pentanone	0.00	43	0	N.D. d		
43) Toluene	0.00	92	0	N.D.		
44) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
45) 1,1,2-Trichloroethane	0.00	83	0	N.D.		
47) 2-Hexanone	0.00	43	0	N.D.		
48) Tetrachloroethene	0.00	166	0	N.D.		
49) 1,3-Dichloropropane	0.00	76	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\062504\V1204141.D Vial: 12
Acq On : 25 Jun 2004 12:47 pm Operator: TMP
Sample : 0406C14-001A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:07 2004 Quant Results File: VW052704.RES

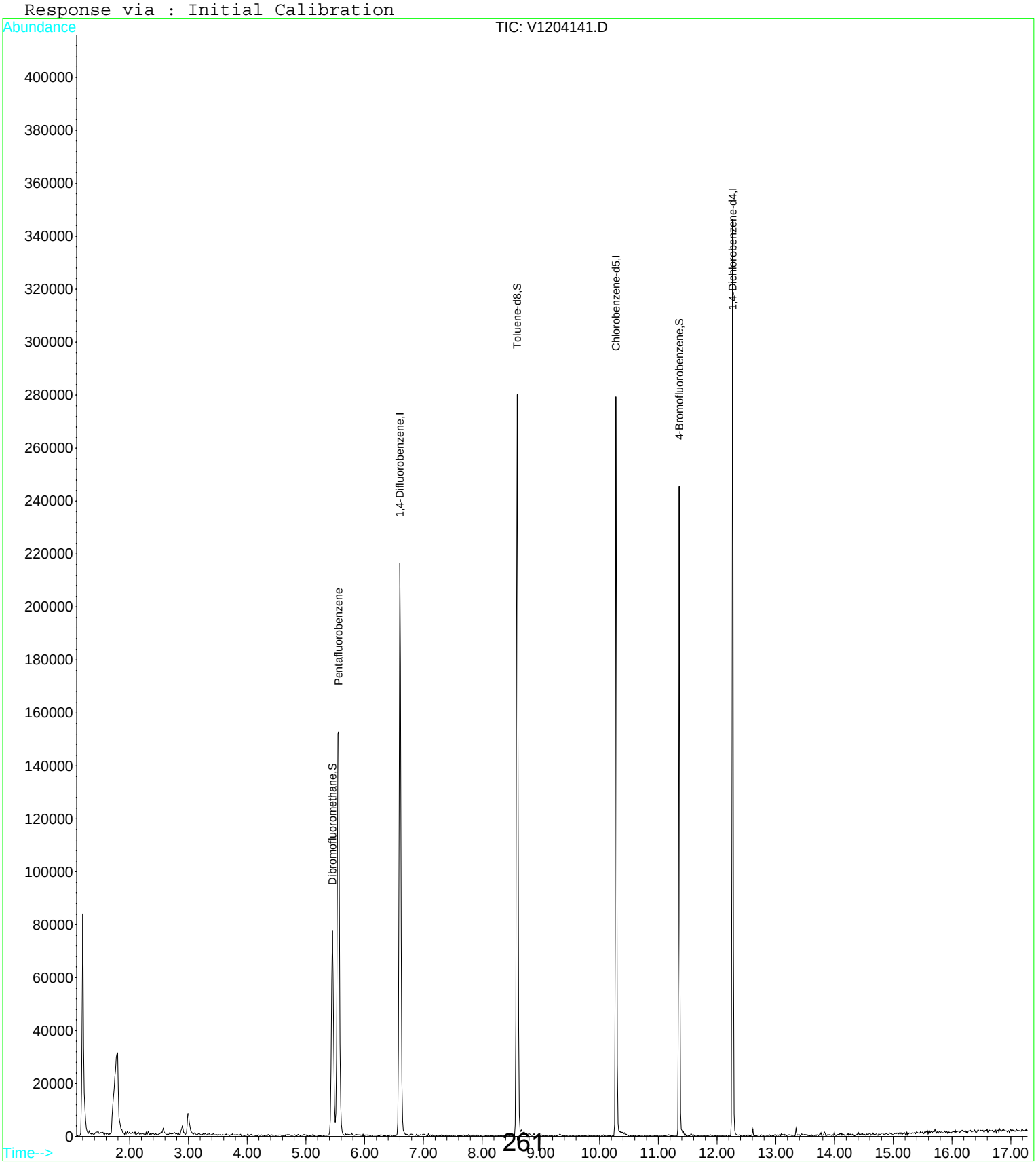
Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	Dibromochloromethane	0.00	129	0	N.D.		
51)	1,2-Dibromoethane	0.00	107	0	N.D.		
52)	Chlorobenzene	0.00	112	0	N.D.		
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
54)	Ethylbenzene	0.00	91	0	N.D.		
55)	m,p-Xylene	0.00	91	0	N.D.		
56)	o-Xylene	0.00	91	0	N.D.		
57)	Styrene	0.00	104	0	N.D.		
58)	Bromoform	0.00	173	0	N.D.		
61)	Bromobenzene	0.00	156	0	N.D.		
62)	1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
63)	1,2,3-Trichloropropane	0.00	75	0	N.D.	d	
64)	Isopropylbenzene	0.00	105	0	N.D.		
65)	n-Propylbenzene	0.00	91	0	N.D.		
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.		
67)	2-Chlorotoluene	0.00	91	0	N.D.		
68)	4-Chlorotoluene	0.00	91	0	N.D.		
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
70)	tert-Butylbenzene	0.00	119	0	N.D.		
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.		
72)	sec-Butylbenzene	0.00	105	0	N.D.		
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.		
74)	4-Isopropyltoluene	0.00	119	0	N.D.		
75)	1,4-Dichlorobenzene	0.00	146	0	N.D.		
76)	1,2-Dichlorobenzene	0.00	146	0	N.D.		
77)	n-Butylbenzene	0.00	91	0	N.D.		
78)	1,2-Dibromo-3-chloropropan	0.00	75	0	N.D.		
79)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
80)	Hexachlorobutadiene	0.00	225	0	N.D.		
81)	Naphthalene	0.00	128	0	N.D.		
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.		

Quantitation Report

Data File : C:\HPCHEM\1\DATA\062504\V1204141.D Vial: 12
Acq On : 25 Jun 2004 12:47 pm Operator: TMP
Sample : 0406C14-001A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:07 2004 Quant Results File: VW052704.RES

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Last Update : Thu Jun 03 16:48:20 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\062504\V1204141.D Vial: 12
Acq On : 25 Jun 2004 12:47 pm Operator: TMP
Sample : 0406C14-001A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 900 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

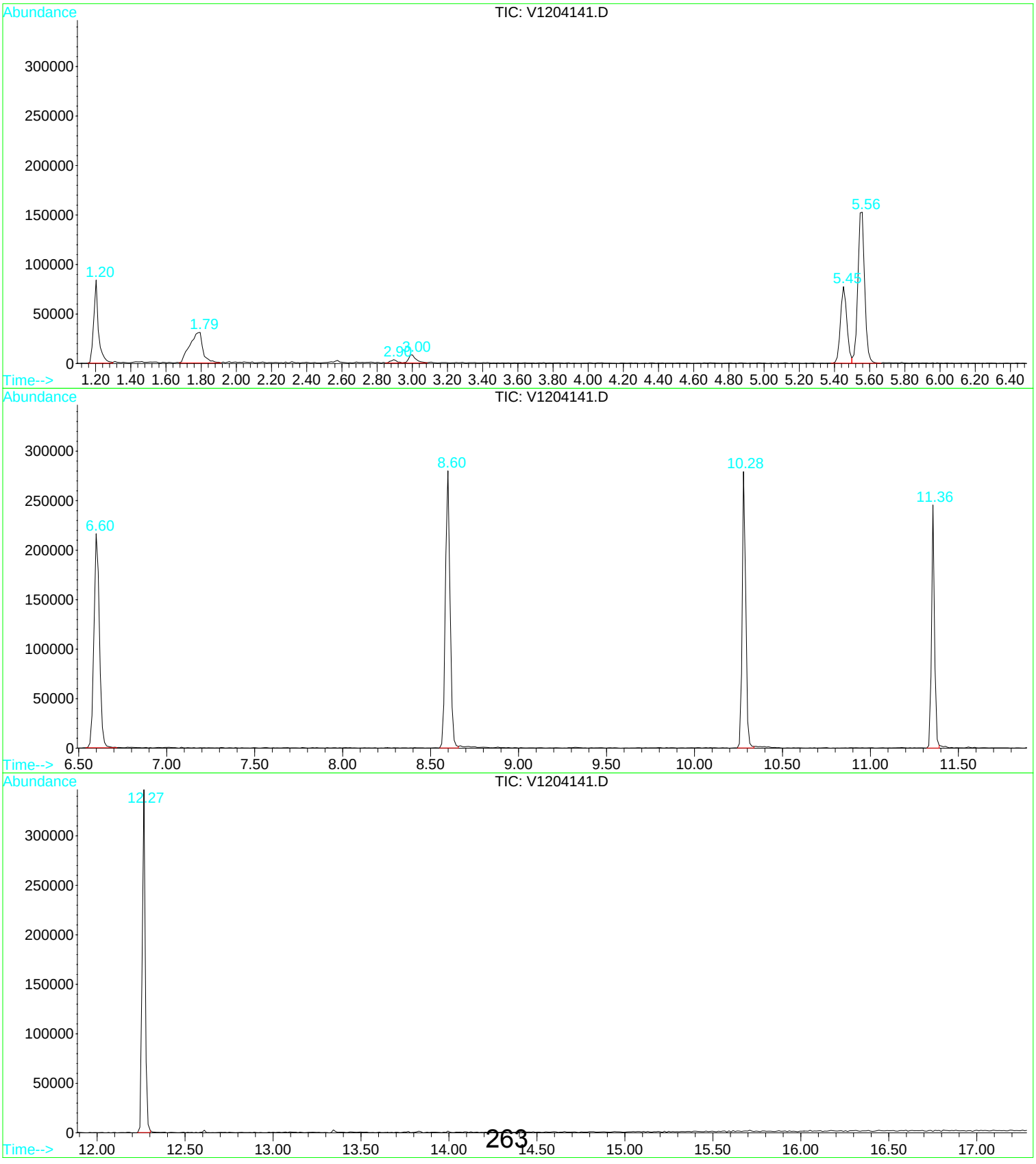
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.203	6	10	18	rBV	83806	156338	30.31%	5.142%
2	1.795	50	60	70	rVB3	30810	159702	30.96%	5.252%
3	2.895	149	153	157	rBV3	3224	7672	1.49%	0.252%
4	3.002	157	162	169	rBV	7958	23556	4.57%	0.775%
5	5.451	363	369	373	rBV	77323	196904	38.18%	6.476%
6	5.557	373	378	387	rVB	152619	408109	79.12%	13.422%
7	6.599	461	466	476	rBV	216141	468851	90.90%	15.420%
8	8.598	631	635	640	rBV	279941	515781	100.00%	16.964%
9	10.279	774	777	782	rBV	279123	396561	76.89%	13.043%
10	11.356	865	868	871	rBV	245503	292857	56.78%	9.632%
11	12.267	942	945	948	rBV	346344	414186	80.30%	13.622%

Sum of corrected areas: 3040517

V1204141.D VW052704.M Thu Jul 15 15:03:10 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\062504\V1204141.D
Operator : TMP
Acquired : 25 Jun 2004 12:47 pm using AcqMethod 8260
Instrument : GC/MS 12
Sample Name: 0406C14-001A *50
Misc Info : SAMP 8260_TCL4.2_X
Vial Number: 12
Quant File :VW052704.RES (RTE Integrator)



V1204141.D VW052704.M Thu Jul 15 15:03:11 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\062504\V1204141.D Vial: 12
Acq On : 25 Jun 2004 12:47 pm Operator: TMP
Sample : 0406C14-001A *50 Inst : GC/MS 12
Misc : SAMP 8260 TCL4.2 X Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title : 8260/624 Purgeable organics calibration.
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Carbon dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.20	19.15 ug/L	156338	Pentafluorobenzene	5.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Nitrous Oxide	44	N2O	010024-97-2	3

****

Peak Number 2 1H-1,2,4-Triazole-3-carboxaldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	19.57 ug/L	159702	Pentafluorobenzene	5.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole-3-carboxaldehyde,	174	C8H6N4O	042786-73-2	83
2	N,N'-Bis(2-chloroethyl)oxamide	212	C6H10Cl2N2O2	1000133-13-6	9
3	Phosgene	98	CCl2O	000075-44-5	9
4	Dimethyl sulfide	62	C2H6S	000075-18-3	9
5	1,3-Difluoro-2-propanol	96	C3H6F2O	000453-13-4	9

Tentatively Identified Compound (LSC) summary

Operator ID: TMP Date Acquired: 25 Jun 2004 12:47 pm
Data File: C:\HPCHEM\1\DATA\062504\V1204141.D
Name: 0406C14-001A *50 DILUTION
Misc: SAMP 8260_TCL4.2_X
Method: C:\HPCHEM\1\METHODS\VW052704.M (RTE Integrator)
Title: 8260/624 Purgeable organics calibration.
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Carbon dioxide	1.20	19.2	ug/L	156338	ISTD01	5.56	408109	50.0
1H-1,2,4-Triazole-3-carboxaldehyde	1.79	19.6	ug/L	159702	ISTD01	5.56	408109	50.0

V1204141.D VW052704.M Fri Jul 16 08:45:28 2004

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 3:30:48 P**
Prep End Date: **6/24/2004 6:39:59 P**

Prep Batch **47087** Prep Code: **3510_BNA** Technician: **Zafer Sarihan**

Prep Factor Units: **mL / L**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B78-001B	Water		0.5	0	0	0.5	1.000	6/24/2004	6/24/2004
The prep HoldTime was exceeded by 9.00 days. CAR# 10102									
0406B78-001BMS	Water		0.5	0	0	0.5	1.000	6/24/2004	6/24/2004
The prep HoldTime was exceeded by 9.00 days.									
0406B78-001BMSD	Water		0.5	0	0	0.5	1.000	6/24/2004	6/24/2004
The prep HoldTime was exceeded by 9.00 days.									
0406B78-002B	Water		1	0	0	1	1.000	6/24/2004	6/24/2004
The prep HoldTime was exceeded by 9.11 days. CAR# 10102									
0406B78-003B	Water		1	0	0	1	1.000	6/24/2004	6/24/2004
The prep HoldTime was exceeded by 8.06 days. CAR# 10102									
0406C14-006B	Waste Water		0.1	0	0	1	10.000	6/24/2004	6/24/2004
GLUE LIKE SAMPLE. USED REDUCED SAMPLE AMOUNT DUE TO MATRIX. EMULSIFIED DURING EXTRACTION.									
0406C14-007B	Waste Water		1	0	0	1	1.000	6/24/2004	6/24/2004
EMULSIFIED DURING EXTRACTION.									
LCS-47087			1	0	0	1	1.000	6/24/2004	6/24/2004
MB-47087			1	0	0	1	1.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47087

Sample ID: **MB-47087**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52554**
Client ID:	Batch ID: **47087**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1009027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3´-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47087

Sample ID: **MB-47087** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52554**
Client ID: Batch ID: **47087** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1009027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47087

Sample ID: **MB-47087** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52554**
Client ID: Batch ID: **47087** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1009027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	105.9	0	100	0	106	47	146	0	0		
Surr: 2-Fluorobiphenyl	43.75	0	50	0	87.5	37	135	0	0		
Surr: 2-Fluorophenol	61.32	0	100	0	61.3	23.9	109	0	0		
Surr: 4-Terphenyl-d14	47.41	0	50	0	94.8	21.9	145	0	0		
Surr: Nitrobenzene-d5	45.61	0	50	0	91.2	32.3	136	0	0		
Surr: Phenol-d5	47.36	0	100	0	47.4	10	109	0	0		

Sample ID: **LCS-47087** SampType: **LCS** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52554**
Client ID: Batch ID: **47087** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1009028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	91.71	10	100	0	91.7	53.1	128	0	0		
2-Chlorophenol	79.95	10	100	0	80	51.1	120	0	0		
4-Chloro-3-methylphenol	94.52	10	100	0	94.5	54.6	131	0	0		
4-Nitrophenol	47.87	25	100	0	47.9	10	122	0	0		
Acenaphthene	85.02	10	100	0	85	57	120	0	0		
N-Nitrosodi-n-propylamine	93.61	10	100	0	93.6	52.6	122	0	0		
Pentachlorophenol	133.2	25	100	0	133	32.9	140	0	0		
Phenol	44.36	10	100	0	44.4	11.2	120	0	0		
Pyrene	90.13	10	100	0	90.1	62.4	127	0	0		
Surr: 2,4,6-Tribromophenol	105.3	0	100	0	105	47	146	0	0		
Surr: 2-Fluorobiphenyl	43.43	0	50	0	86.9	37	135	0	0		
Surr: 2-Fluorophenol	56.12	0	100	0	56.1	23.9	109	0	0		
Surr: 4-Terphenyl-d14	45.64	0	50	0	91.3	21.9	145	0	0		
Surr: Nitrobenzene-d5	44.95	0	50	0	89.9	32.3	136	0	0		
Surr: Phenol-d5	43.45	0	100	0	43.4	10	109	0	0		

Qualifiers:
B Analyte detected in the associated Method Blank
BRL Below Reporting Limit
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
N Analyte not NELAC certified
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47087

Sample ID: **0406B78-001BMS**	SampType: **MS**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52554**
Client ID:	Batch ID: **47087**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1009100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	72.34	10	100	0	72.3	50.6	130	0	0		H
2-Chlorophenol	66.77	10	100	0	66.8	32.9	132	0	0		H
4-Chloro-3-methylphenol	74.68	10	100	0	74.7	48.1	142	0	0		H
4-Nitrophenol	46.89	25	100	0	46.9	10	135	0	0		H
Acenaphthene	68.61	10	100	0	68.6	47.9	127	0	0		H
N-Nitrosodi-n-propylamine	73.52	10	100	0	73.5	33.2	128	0	0		H
Pentachlorophenol	84.19	25	100	0	84.2	31.4	152	0	0		H
Phenol	47.46	10	100	0	47.5	11.2	120	0	0		H
Pyrene	72.65	10	100	0	72.6	55.7	129	0	0		H
Surr: 2,4,6-Tribromophenol	80.1	0	100	0	80.1	47	146	0	0		H
Surr: 2-Fluorobiphenyl	34.39	0	50	0	68.8	37	135	0	0		H
Surr: 2-Fluorophenol	52.01	0	100	0	52	23.9	109	0	0		H
Surr: 4-Terphenyl-d14	35.48	0	50	0	71	21.9	145	0	0		H
Surr: Nitrobenzene-d5	34.96	0	50	0	69.9	32.3	136	0	0		H
Surr: Phenol-d5	45.5	0	100	0	45.5	10	109	0	0		H

Sample ID: **0406B78-001BMSD**	SampType: **MSD**	TestCode: **8270_TCL4.2**	Units: **µg/L**	Prep Date: **6/24/2004**	RunNo: **52554**
Client ID:	Batch ID: **47087**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1009239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	85.91	10	200	0	43	50.6	130	72.34	17.2	16.4	SRH
2-Chlorophenol	75.87	10	200	0	37.9	32.9	132	66.77	12.8	25.4	H
4-Chloro-3-methylphenol	88.93	10	200	0	44.5	48.1	142	74.68	17.4	19.1	SH
4-Nitrophenol	58.76	25	200	0	29.4	10	135	46.89	22.5	28.3	H
Acenaphthene	79.32	10	200	0	39.7	47.9	127	68.61	14.5	19.6	SH
N-Nitrosodi-n-propylamine	84.59	10	200	0	42.3	33.2	128	73.52	14.0	23.3	H
Pentachlorophenol	118	25	200	0	59	31.4	152	84.19	33.5	17.7	RH
Phenol	52.91	10	200	0	26.5	11.2	120	47.46	10.9	29.5	H
Pyrene	83.7	10	200	0	41.8	55.7	129	72.65	14.1	18.5	SH
Surr: 2,4,6-Tribromophenol	96.11	0	200	0	48.1	47	146	80.1	0	0	H
Surr: 2-Fluorobiphenyl	40.28	0	100	0	40.3	37	135	34.39	0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47087

Sample ID: **0406B78-001BMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **µg/L** Prep Date: **6/24/2004** RunNo: **52554**
Client ID: Batch ID: **47087** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1009239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	60.13	0	200	0	30.1	23.9	109	52.01	0	0	H
Surr: 4-Terphenyl-d14	41.91	0	100	0	41.9	21.9	145	35.48	0	0	H
Surr: Nitrobenzene-d5	39.97	0	100	0	40	32.3	136	34.96	0	0	H
Surr: Phenol-d5	51.45	0	200	0	25.7	10	109	45.5	0	0	H

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: C:\HPCHEM\1\DATA\N40304

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
1	1	N4030401.D	1.	DFTPP		TUNE DFTPP_4	4 Mar 2004 08:38
2	2	N4030402.D	1.	TEST	2253	ICAL 8270_TCL4.2_W	4 Mar 2004 09:05
3	3	N4030403.D	1.	TESTII	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 09:42
4	4	N4030404.D	1.	TESTIII	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 10:18
5	5	N4030405.D	1.	BNA 40	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 11:36
6	6	N4030406.D	1.	BNA 60	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 12:12
7	7	N4030407.D	1.	BNA 80	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 12:49
8	8	N4030408.D	1.	BNA 120	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 13:25
9	9	N4030409.D	1.	BNA 160	2238	ICAL 8270_TCL4.2_W	4 Mar 2004 14:02
10	10	N4030410.D	1.	BNATEST	2253	ICV 8270_TCL4.2_W	4 Mar 2004 14:38
11	11	N4030411.D	1.	BNA 10	2238	ICV 8270_TCL4.2_W	4 Mar 2004 15:15
12	12	N4030412.D	1.	BNA 20	2238	ICV 8270_TCL4.2_W	4 Mar 2004 15:52
13	13	N4030413.D	1.	BNA 120	2202	ICV 8270_TCL4.2_W	4 Mar 2004 16:28
14	14	N4030414.D	1.	625 SPK 100		ICV 8270_TCL4.2_W	4 Mar 2004 17:05
15	15	N4030416.D	1.	BENZIDINE SPIKE	100	ICV 8270_TCL4.2_W	4 Mar 2004 17:42

Response Factor Report GC/MS #6

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 12:46:11 2004
Response via : Initial Calibration

Calibration Files
10 =N4030411.D 40 =N4030405.D 60 =N4030406.D
80 =N4030407.D 120 =N4030408.D 160 =N4030409.D

		Compound	10	40	60	80	120	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		Pyridine	0.605	0.518	0.532	0.551	0.516	0.554	0.549	5.71
3)	T	2-Picoline	1.497	1.473	1.460	1.502	1.485	1.482	1.485	1.02
4)	T	Methyl methanesulfo	0.893	0.812	0.819	0.827	0.825	0.824	0.835	3.30
5)	S	2-Fluorophenol	1.468	1.370	1.347	1.362	1.338	1.334	1.372	3.36
6)	T	Ethyl methanesulfon	1.178	1.069	1.056	1.070	1.071	1.051	1.089	4.27
7)	T	Benzaldehyde	0.113	0.113	0.120	0.123	0.130	0.138	0.122	7.42
8)	T	Aniline	0.839	0.795	0.784	0.822	0.800	0.790	0.810	2.86
9)	S	Phenol-d5	1.955	1.716	1.608	1.662	1.536	1.506	1.685	9.41
10)	CCC	Phenol	2.017	1.767	1.627	1.694	1.590	1.558	1.730	9.48
11)	T	Bis(2-chloroethyl)e	1.166	1.015	0.989	0.988	0.935	1.030	1.027	7.15
12)	T	2-Chlorophenol	1.599	1.399	1.353	1.351	1.317	1.295	1.399	7.65
13)	T	1,3-Dichlorobenzene	1.843	1.609	1.560	1.558	1.501	1.490	1.606	7.63
14)	CCC	1,4-Dichlorobenzene	1.847	1.577	1.536	1.547	1.506	1.487	1.591	7.75
15)	T	1,2-Dichlorobenzene	1.744	1.506	1.463	1.443	1.414	1.377	1.504	8.31
16)	T	Benzyl alcohol	1.006	0.922	0.906	0.926	0.892	0.886	0.930	4.67
17)	T	Bis(2-chloroisoprop	2.316	2.003	1.956	1.931	1.892	1.857	2.006	7.80
18)	T	2-Methylphenol	1.257	1.109	1.076	1.097	1.037	1.021	1.111	7.44
19)	T	3&4-Methylphenol	1.562	1.307	1.250	1.275	1.197	1.172	1.312	10.41
20)	PC	N-Nitrosodi-n-propy	1.202	0.995	0.970	0.997	0.975	0.965	1.026	8.41
21)	T	N-Nitrosodimethylam	0.216	0.209	0.188	0.209	0.191	0.200	0.206	7.43
22)	T	Hexachloroethane	0.657	0.538	0.531	0.526	0.511	0.508	0.551	9.65
23)	I	Naphthalene-d8	----------	ISTD	----------					
24)	S	Nitrobenzene-d5	0.465	0.410	0.402	0.405	0.391	0.392	0.413	6.27
25)	T	Acetophenone	0.632	0.532	0.507	0.502	0.472	0.462	0.525	11.24
26)	M	Nitrobenzene	0.475	0.408	0.393	0.397	0.374	0.373	0.407	8.71
27)	T	N-Nitrosopiperidine	0.223	0.197	0.194	0.198	0.192	0.193	0.200	5.41
28)	T	Isophorone	0.882	0.772	0.753	0.749	0.712	0.703	0.770	8.10
29)	CCC	2-Nitrophenol	0.230	0.209	0.210	0.214	0.211	0.209	0.215	3.54
30)	T	2,4-Dimethylphenol	0.401	0.352	0.340	0.347	0.328	0.324	0.352	7.77
31)	T	Bis(2-chloroethoxy)	0.505	0.436	0.424	0.422	0.407	0.401	0.436	8.30
32)	CCC	2,4-Dichlorophenol	0.354	0.330	0.319	0.330	0.316	0.313	0.329	4.50
33)	T	1,2,4-Trichlorobenz	0.418	0.363	0.349	0.350	0.335	0.332	0.362	8.51
34)	T	Naphthalene	1.337	1.141	1.092	1.086	1.023	1.011	1.124	9.91
35)	T	Benzoic acid			0.024	0.055	0.097	0.134	0.078	62.27
36)	T	2,6-Dichlorophenol	0.353	0.311	0.303	0.307	0.292	0.292	0.312	6.90
37)	T	4-Chloroaniline	0.476	0.432	0.423	0.433	0.407	0.396	0.432	6.28

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC/MS #6

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 12:46:11 2004
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Calibration Files
10 =N4030411.D 40 =N4030405.D 60 =N4030406.D
80 =N4030407.D 120 =N4030408.D 160 =N4030409.D

		Compound	10	40	60	80	120	160	Avg	%RSD
38)	CCC	Hexachlorobutadiene	0.248	0.212	0.207	0.206	0.200	0.200	0.213	7.87
39)	T	a,a-Dimethylpheneth	1.019	0.842	0.848	0.905	0.840	0.874	0.898	7.57
40)	T	Caprolactam	0.199	0.182	0.177	0.218	0.200	0.195	0.194	6.82
41)	CCC	4-Chloro-3-methylph	0.359	0.339	0.316	0.336	0.315	0.314	0.332	5.28
42)	T	N-Nitrosodi-n-butyl	0.317	0.277	0.280	0.296	0.335	0.333	0.305	7.76
43)	T	2-Methylnaphthalene	0.921	0.788	0.746	0.752	0.708	0.697	0.778	10.00
44)	T	1-Methylnaphthalene	0.919	0.783	0.748	0.753	0.703	0.694	0.775	10.02
45)	I	Acenaphthene-d10	----------ISTD----------							
46)	T	1,2,4,5-Tetrachloro	0.750	0.645	0.638	0.621	0.610	0.603	0.649	7.81
47)	PC	Hexachlorocyclopent	0.196	0.238	0.246	0.252	0.261	0.266	0.240	10.30
48)	CCC	2,4,6-Trichlorophen	0.418	0.394	0.389	0.399	0.389	0.390	0.398	2.66
49)	T	2,4,5-Trichlorophen	0.444	0.398	0.382	0.382	0.370	0.363	0.392	6.87
50)	S	2-Fluorobiphenyl	1.789	1.509	1.465	1.426	1.383	1.354	1.502	9.90
51)	T	Biphenyl	2.042	1.727	1.653	1.624	1.553	1.528	1.706	10.43
52)	T	2-Chloronaphthalene	1.450	1.189	1.136	1.120	1.075	1.057	1.184	11.50
53)	T	1-Chloronaphthalene	1.362	1.123	1.085	1.064	1.030	1.013	1.127	10.92
54)	T	2-Nitroaniline	0.406	0.368	0.364	0.373	0.368	0.365	0.375	3.93
55)	T	3-Nitroaniline	0.353	0.348	0.337	0.356	0.341	0.343	0.347	1.91
56)	T	Pentachlorobenzene	0.637	0.540	0.524	0.526	0.502	0.499	0.543	8.85
57)	T	4-Nitroaniline	0.371	0.348	0.334	0.354	0.337	0.340	0.349	3.94
58)	T	2-Naphthylamine	0.929	1.039	1.007	1.050	0.976	0.966	0.999	4.39
59)	T	1-Naphthylamine	1.158	1.164	1.057	1.068	0.989	0.972	1.086	8.05
60)	T	Dimethyl phthalate	1.613	1.389	1.356	1.369	1.329	1.314	1.404	7.36
61)	T	Acenaphthylene	2.009	1.749	1.685	1.664	1.584	1.558	1.725	8.98
62)	T	2,6-Dinitrotoluene	0.329	0.304	0.300	0.308	0.298	0.295	0.307	3.86
63)	CCC	Acenaphthene	1.356	1.160	1.116	1.112	1.068	1.057	1.154	8.94
64)	PC	2,4-Dinitrophenol		0.079	0.100	0.117	0.130	0.136	0.105	26.72#
65)	T	Dibenzofuran	2.011	1.762	1.669	1.678	1.600	1.581	1.733	8.68
66)	PC	4-Nitrophenol	0.244	0.274	0.263	0.252	0.272	0.278	0.267	5.42
67)	M	2,4-Dinitrotoluene	0.411	0.391	0.382	0.405	0.392	0.393	0.397	2.54
68)	T	2,3,4,6-Tetrachloro	0.341	0.318	0.314	0.330	0.320	0.325	0.325	2.76
69)	T	Diethyl phthalate	1.575	1.356	1.322	1.334	1.264	1.252	1.364	8.25
70)	T	Fluorene	1.685	1.455	1.373	1.389	1.298	1.273	1.431	10.10
71)	T	4-Chlorophenyl phen	0.840	0.691	0.658	0.662	0.626	0.619	0.691	11.23
72)	S	2,4,6-Tribromopheno	0.196	0.198	0.195	0.207	0.201	0.204	0.201	2.29
73)	I	Phenanthrene-d10	----------ISTD----------							
74)	T	4,6-Dinitro-2-methy	0.111	0.125	0.135	0.147	0.152	0.157	0.135	12.56

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC/MS #6

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 12:46:11 2004
Response via : Initial Calibration

Calibration Files
10 =N4030411.D 40 =N4030405.D 60 =N4030406.D
80 =N4030407.D 120 =N4030408.D 160 =N4030409.D

		Compound	10	40	60	80	120	160	Avg	%RSD
75)	T	Azobenzene	0.930	0.782	0.757	0.746	0.714	0.704	0.780	10.04
76)	T	1,2-Diphenylhydrazi	0.281	0.240	0.233	0.230	0.227	0.223	0.241	8.34
77)	CCC	Diphenylamine	0.202	0.166	0.160	0.161	0.154	0.151	0.167	10.44
78)	T	N-Nitrosodiphenylam	0.966	0.786	0.753	0.743	0.724	0.708	0.789	11.37
79)	T	4-Bromophenyl pheny	0.291	0.258	0.249	0.253	0.249	0.246	0.260	6.23
80)	T	Phenacetin	0.430	0.391	0.380	0.396	0.372	0.374	0.394	5.52
81)	T	Hexachlorobenzene	0.310	0.271	0.260	0.263	0.254	0.252	0.270	7.59
82)	T	Atrazine	0.282	0.257	0.251	0.253	0.238	0.233	0.255	6.81
83)	T	4-Aminobiphenyl	0.683	0.657	0.646	0.674	0.642	0.624	0.652	3.21
84)	CCC	Pentachlorophenol		0.096	0.107	0.121	0.128	0.136	0.114	14.54
85)	T	Pentachloronitroben	0.107	0.094	0.092	0.093	0.090	0.089	0.095	6.84
86)	T	Pronamide	0.387	0.352	0.346	0.357	0.340	0.336	0.355	5.05
87)	T	Phenanthrene	1.403	1.187	1.140	1.146	1.092	1.081	1.187	9.50
88)	T	Anthracene	1.406	1.200	1.142	1.158	1.088	1.070	1.191	9.78
89)	T	Carbazole	1.347	1.171	1.126	1.167	1.087	1.083	1.175	7.99
90)	T	Di-n-butyl phthalat	1.451	1.333	1.310	1.333	1.254	1.238	1.331	5.67
91)	CCC	Fluoranthene	1.583	1.421	1.374	1.409	1.318	1.305	1.416	6.98
92)	I	Chrysene-d12	----------ISTD----------							
93)	T	Pyrene	1.626	1.367	1.344	1.331	1.247	1.258	1.372	9.35
94)	S	4-Terphenyl-d14	1.228	1.044	1.037	1.040	0.981	0.990	1.061	7.94
95)	T	Benzidine	0.129	0.172	0.185	0.204	0.235	0.236	0.184	24.25
96)	T	Dimethylaminoazoben	0.335	0.300	0.305	0.313	0.304	0.310	0.312	3.68
97)	T	Butyl benzyl phthal	0.633	0.569	0.580	0.597	0.567	0.578	0.588	3.85
98)	T	Benz(a)anthracene	1.588	1.377	1.362	1.377	1.318	1.310	1.397	6.85
99)	T	3,3'-Dichlorobenzid	0.509	0.363	0.380	0.397	0.436	0.433	0.419	11.40
100)	T	Chrysene	1.459	1.241	1.226	1.231	1.180	1.178	1.262	7.82
101)	T	Bis(2-ethylhexyl)ph	0.850	0.747	0.761	0.785	0.751	0.753	0.777	4.71
102)	CCC	Di-n-octyl phthalat	1.531	1.362	1.395	1.428	1.370	1.333	1.410	4.75
103)	T	3-Methylchlolanthre	0.731	0.675	0.666	0.671	0.672	0.656	0.682	3.85
104)	T	Indeno[1,2,3-cd]pyr	1.693	1.547	1.483	1.458	1.511	1.600	1.555	5.18
105)	I	Perylene-d12	----------ISTD----------							
106)	T	Benzo[b]fluoranthen	1.828	1.659	1.639	1.592	1.504	1.682	1.664	6.28
107)	T	Benzo[k]fluoranthen	2.036	1.638	1.518	1.585	1.462	1.312	1.610	14.22
108)	CCC	Benzo[a]pyrene	1.764	1.561	1.516	1.523	1.441	1.452	1.554	7.14
109)	T	Dibenz(a,j)acridine	1.484	1.324	1.283	1.281	1.272	1.386	1.342	5.68
110)	T	Dibenz(a,h)anthrace	1.702	1.493	1.416	1.406	1.372	1.492	1.490	7.47
111)	T	Benzo[g,h,i]perylen	1.736	1.552	1.479	1.469	1.485	1.670	1.568	6.56

(#) = Out of Range ### Number of calibration levels exceeded format ###

Calibration Status Report GC/MS #6

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	10	10	40	C:\HPCHEM\1\DATA\N40304\N4030411.D
2	40	40	40	C:\HPCHEM\1\DATA\N40304\N4030405.D
3	60	60	40	C:\HPCHEM\1\DATA\N40304\N4030406.D
4	80	80	40	C:\HPCHEM\1\DATA\N40304\N4030407.D
5	120	120	40	C:\HPCHEM\1\DATA\N40304\N4030408.D
6	160	160	40	C:\HPCHEM\1\DATA\N40304\N4030409.D

#	ID	Update Time	Quant Time	Acquisition Time
1	10	Mar 05 09:07 2004	Mar 05 09:06 19104	
2	40	Mar 05 08:51 2004	Mar 05 08:51 19104	
3	60	Mar 05 08:54 2004	Mar 05 08:54 19104	
4	80	Mar 05 08:57 2004	Mar 05 08:57 19104	
5	120	Mar 05 09:17 2004	Mar 05 09:16 19104	
6	160	Mar 05 09:15 2004	Mar 05 09:14 19104	

B030404.M Fri Mar 05 10:27:40 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030401.D Vial: 1
Acq On : 4 Mar 2004 8:38 am Operator: BP
Sample : DFTPP Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 5000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.053	38	92	93	rBV	168533	676386	64.89%	18.783%
2	11.753	3849	3862	3891	rBB3	220711	390306	37.44%	10.839%
3	12.840	4233	4245	4258	rBB3	339858	519182	49.81%	14.417%
4	14.840	4932	4950	4975	rBV	527673	1042399	100.00%	28.947%
5	15.107	5036	5044	5052	rBB3	11365	13800	1.32%	0.383%
6	16.617	5568	5576	5580	rBV3	15424	19496	1.87%	0.541%
7	16.668	5581	5594	5609	rVB	495447	939520	90.13%	26.090%

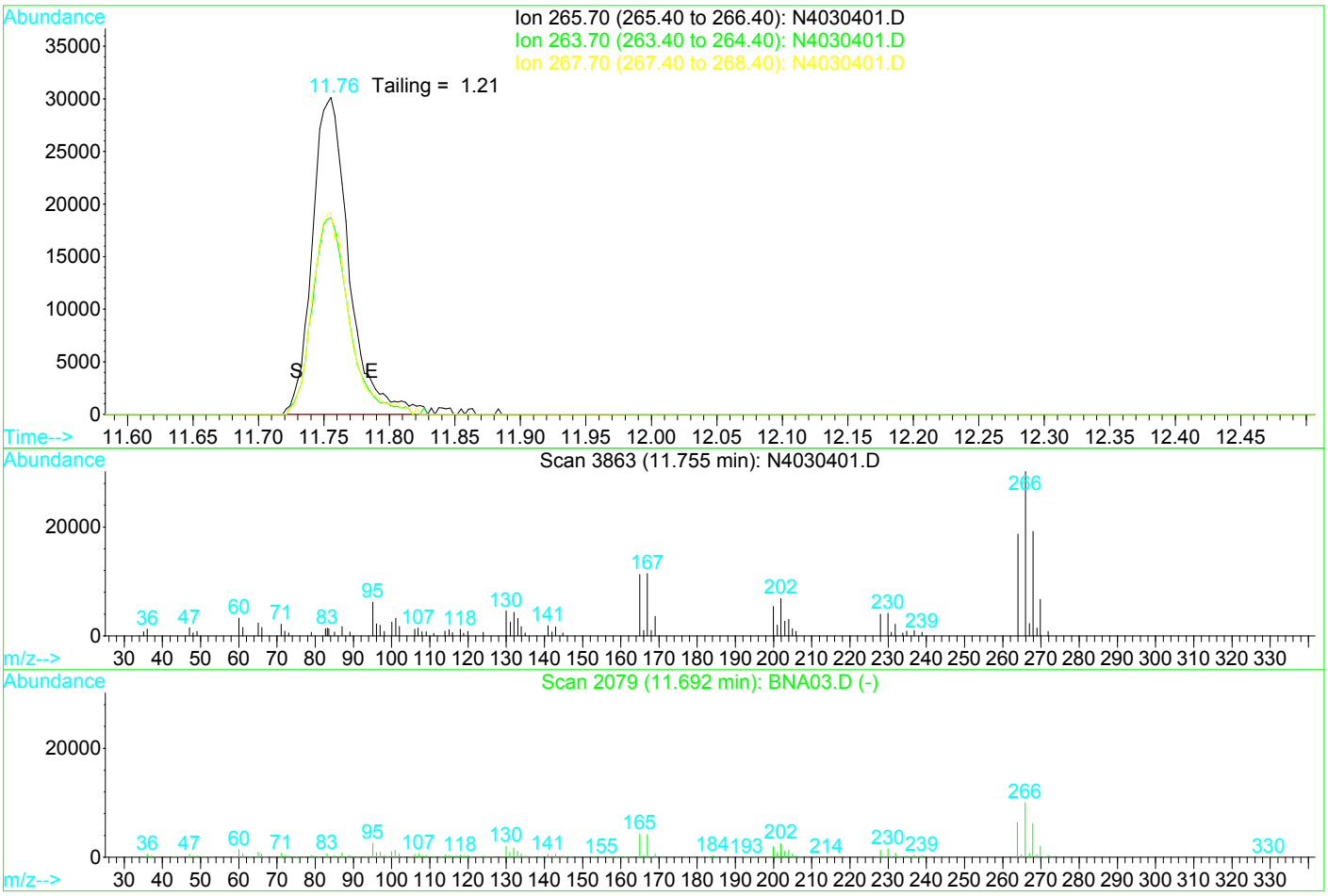
Sum of corrected areas: 3601089

N4030401.D DFTPP.M Fri Mar 05 10:02:02 2004

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030401.D Vial: 1
Acq On : 4 Mar 2004 8:38 am Operator: BP
Sample : DFTPP Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:03 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : 8270BNA CUR 02/16/0
Last Update : Thu Apr 10 16:20:23 2003
Response via : Multiple Level Calibration



TIC: N4030401.D

(6) Pentachlorophenol (CCC)

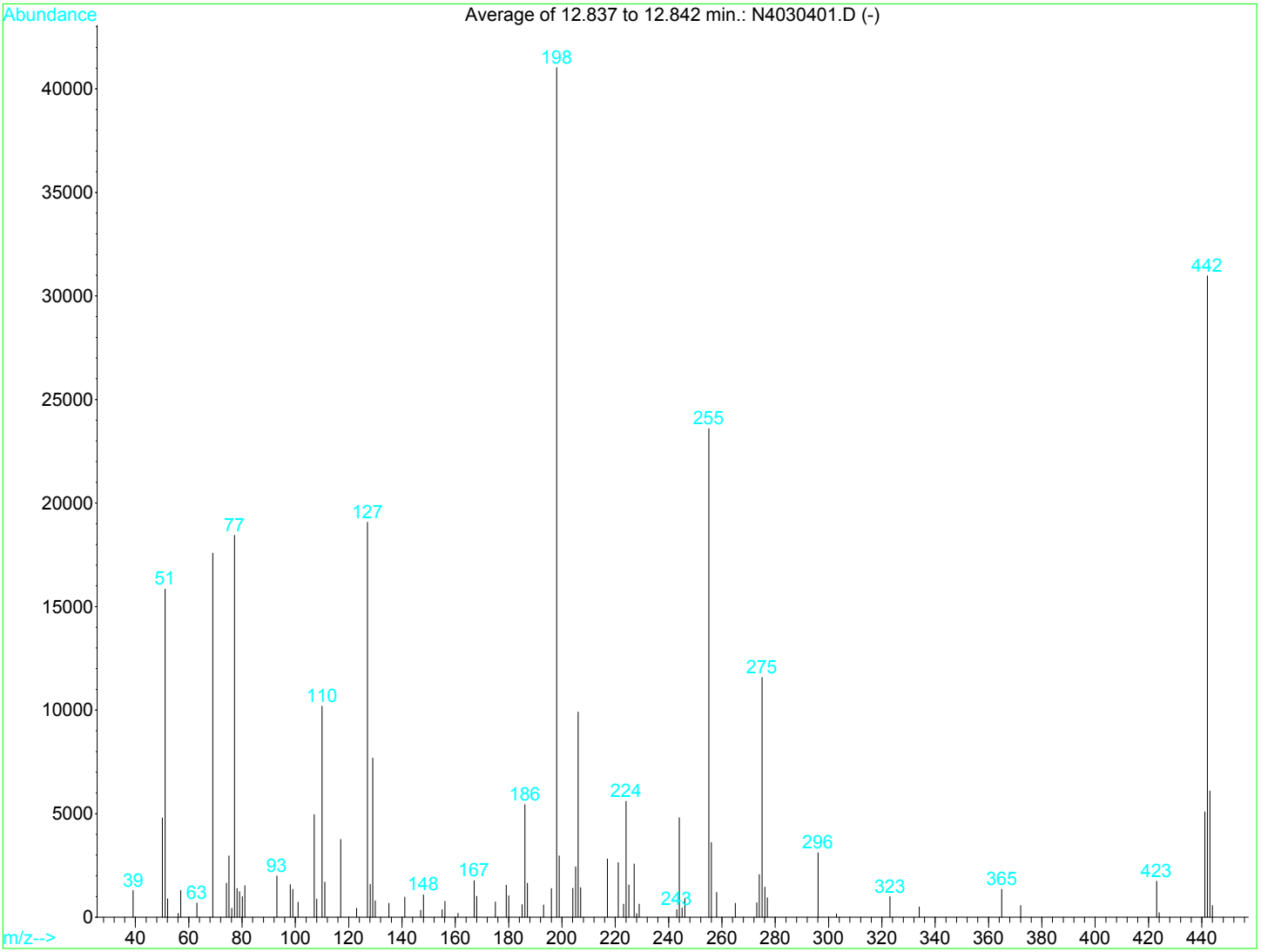
6.80min 0.00ng

response 0

Ion	Exp%	Act%
265.70	100	0.00
263.70	60.50	0.00#
267.70	64.70	0.00#
0.00	0.00	0.00

DFTPP 625 Results

C:\HPCHEM\1\DATA\N40304\N4030401.D Fri Mar 05 10:02:08 2004



Peak Apex is scan: 4245

Average of 3 scans: 4244,4245,4246 minus background scan 4232

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	38.6	PASS
68	69	0	2	0.0	PASS
69	198	0	100	42.8	PASS
70	69	0	2	0.0	PASS
127	198	40	60	46.5	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	7.2	PASS
275	198	10	30	28.2	PASS
365	198	1	100	3.3	PASS
441	443	0	100	83.5	PASS
442	198	40	100	75.5	PASS
443	442	17	23	19.7	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\N40304\N4030401.D
Operator: BP
Date Acquired: 4 Mar 2004 8:38 am
Method File: &RTX5
Sample Name: DFTPP
Misc Info: TUNE DFTPP_4
Vial Number: 1

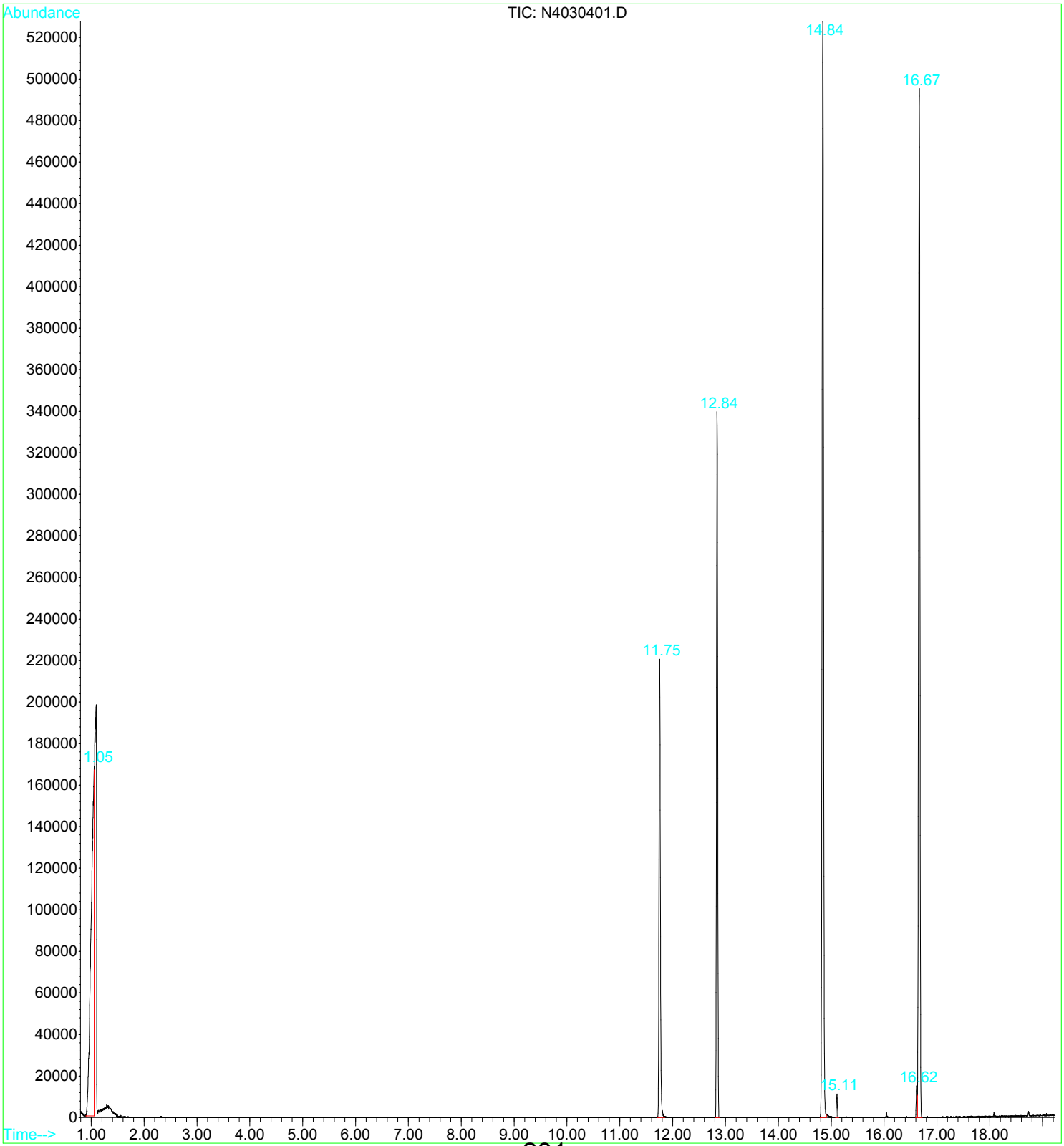
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - RTEINT.P

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	1.05	18.78	C:\DATABASE\NIST98.L			
			Methylene Chloride	111040	000075-09-2	94
			Methylene Chloride	12327	000075-09-2	91
			Methylene Chloride	111039	000075-09-2	91
2	11.75	10.84	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	95
3	12.84	14.42	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126125	005074-71-5	99
4	14.84	28.95	C:\DATABASE\NIST98.L			
			Benzidine	78849	000092-87-5	97
			Benzidine	125573	000092-87-5	95
			Benzidine	125548	000092-87-5	95
5	15.11	0.38	C:\DATABASE\NIST98.L			
			Aziridine, 2-methyl-	107965	000075-55-8	4
			Aziridine, 2-methyl-	176	000075-55-8	4
			Hexane, 3,4-dimethyl-	15254	000583-48-2	4
6	16.62	0.54	C:\DATABASE\NIST98.L			
			Octadecanoic acid, butyl ester	111935	000123-95-5	45
			Cyclohexane, (1,1-dimethylethyl)-	15248	003178-22-1	17
			Piperidin-4-carboxylic acid	15271	000498-94-2	9
7	16.67	26.09	C:\DATABASE\NIST98.L			
			Chlorophenothane	127287	000050-29-3	99
			Chlorophenothane	127284	000050-29-3	99
			o,p'-DDT	127278	000789-02-6	95

Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030401.D Vial: 1
Acq On : 4 Mar 2004 8:38 am Operator: BP
Sample : DFTPP Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :

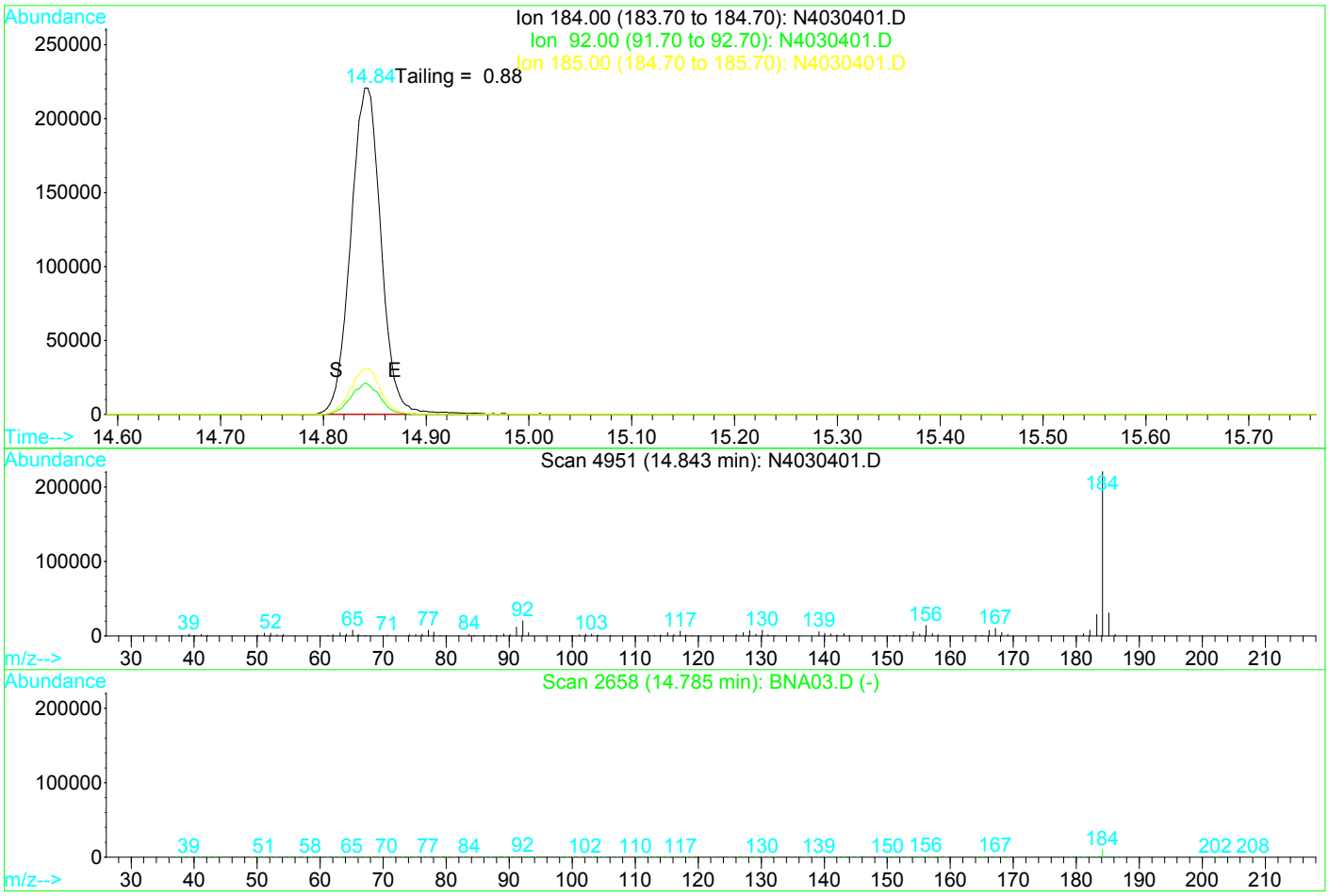


N4030401.D DFTPP.M Fri Mar 05 10:02:03 2004

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030401.D Vial: 1
Acq On : 4 Mar 2004 8:38 am Operator: BP
Sample : DFTPP Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:03 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : 8270BNA CUR 02/16/0
Last Update : Thu Apr 10 16:20:23 2003
Response via : Multiple Level Calibration



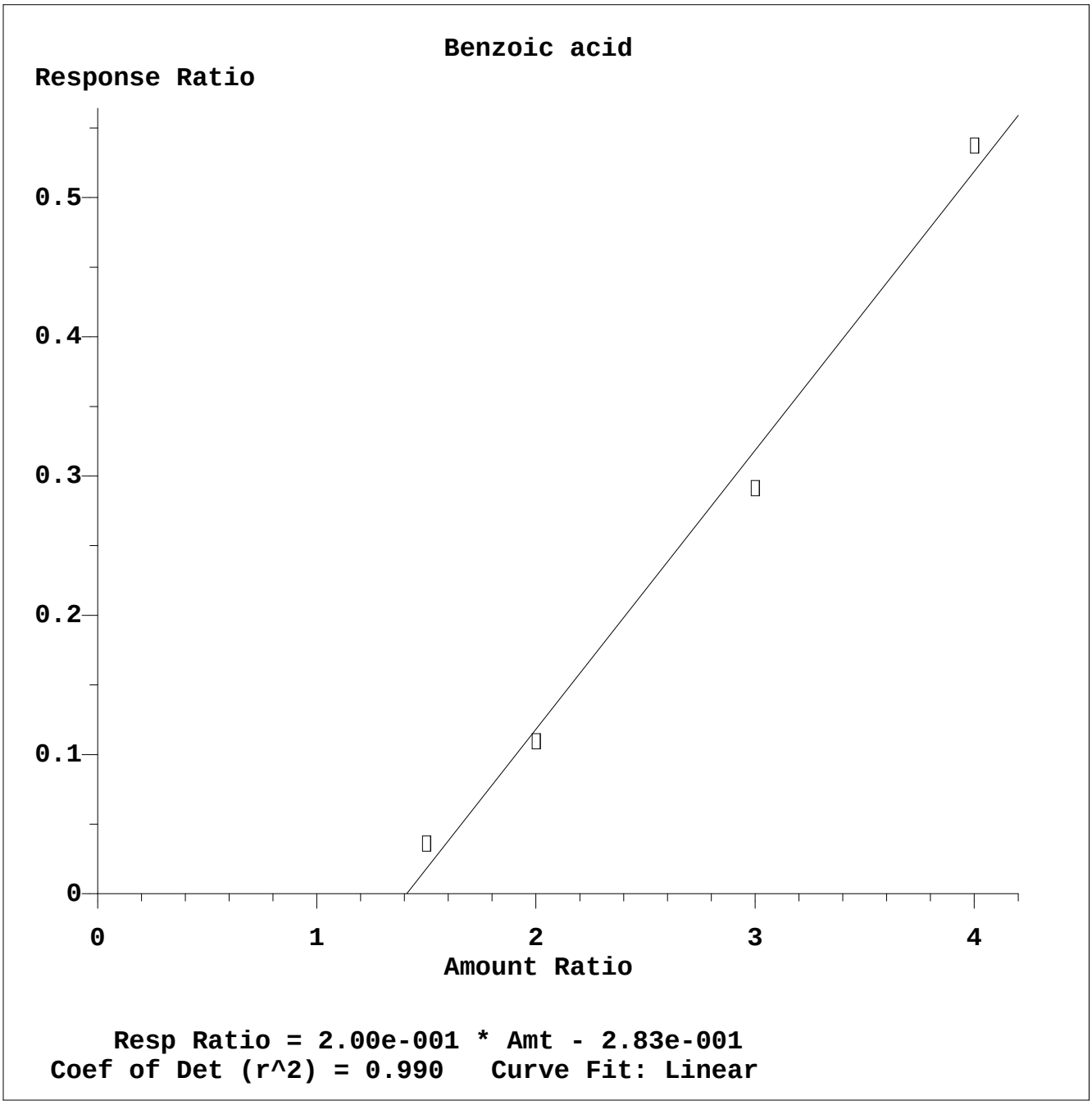
TIC: N4030401.D

(8) Benzidine (T)

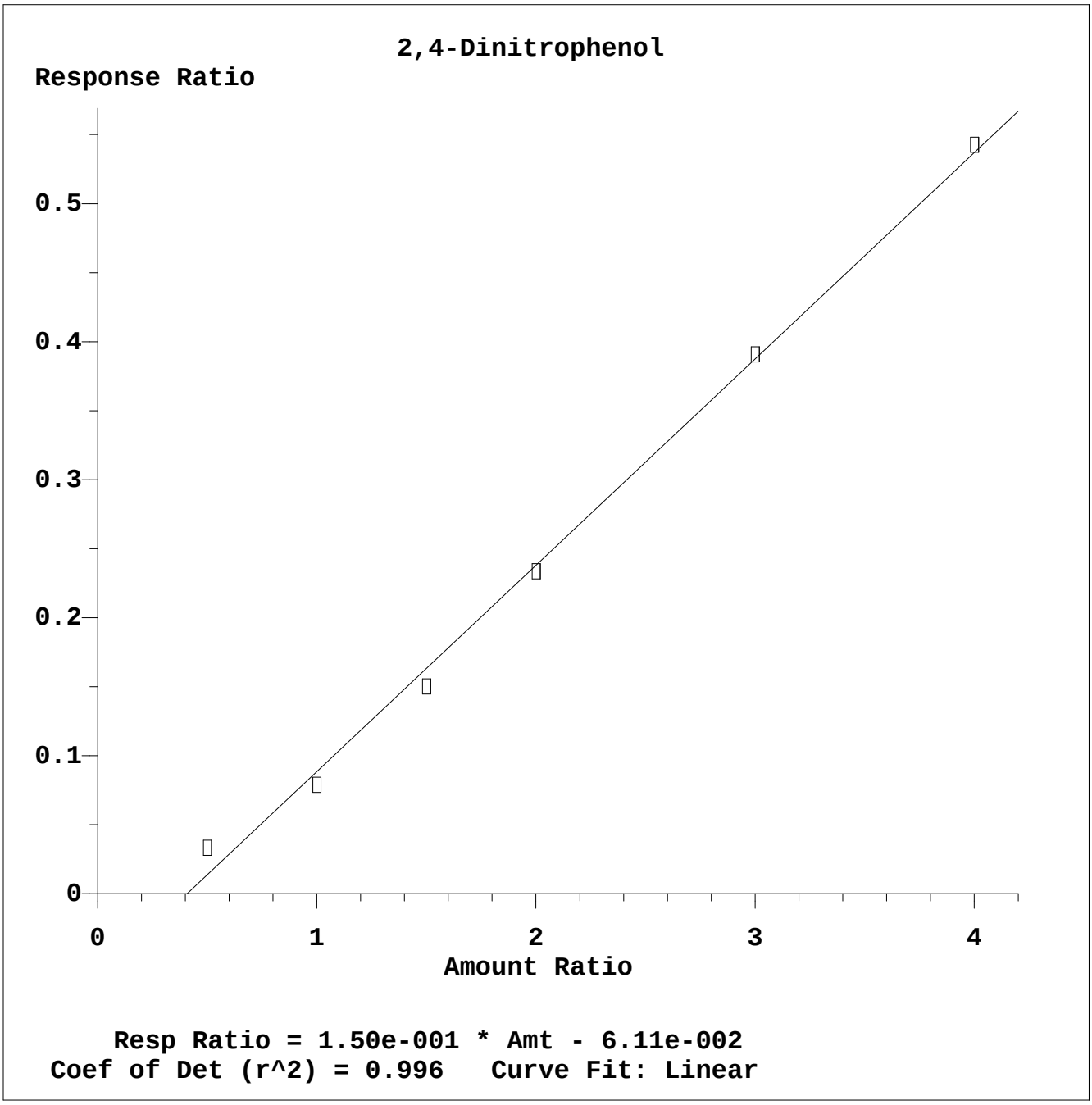
8.61min 0.00ng

response 0

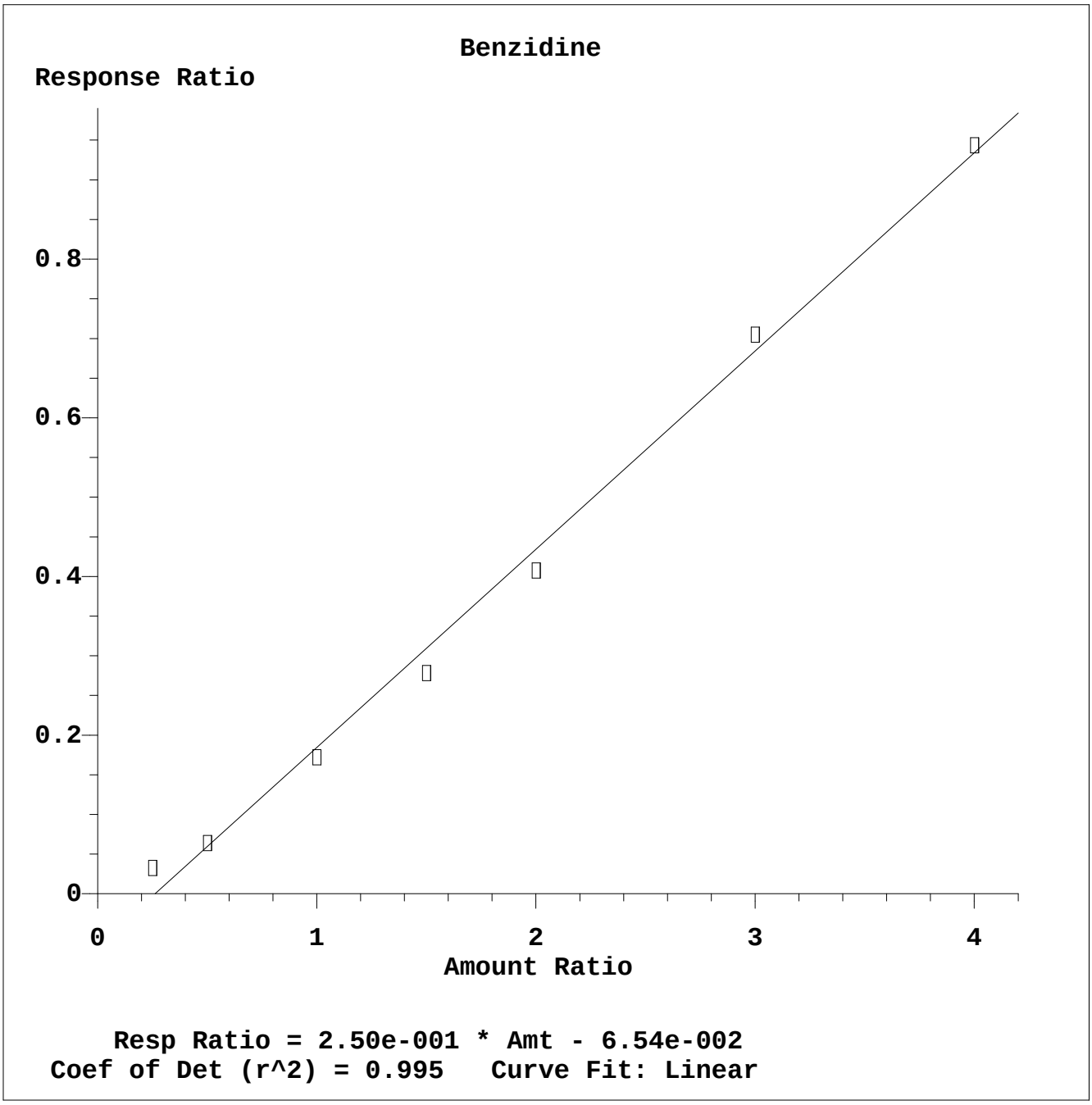
Ion	Exp%	Act%
184.00	100	0.00
92.00	13.50	0.00
185.00	15.20	0.00
0.00	0.00	0.00



Method Name: C:\HPCHEM\1\METHODS\B030404.M
Calibration Table Last Updated: Fri Mar 05 09:22:56 2004



Method Name: C:\HPCHEM\1\METHODS\B030404.M
Calibration Table Last Updated: Fri Mar 05 09:22:56 2004



Method Name: C:\HPCHEM\1\METHODS\B030404.M
Calibration Table Last Updated: Fri Mar 05 09:22:56 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Thu Mar 04 16:33:45 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.82	152	88950	40.00	ng	-0.01
23) Naphthalene-d8	6.33	136	308548	40.00	ng	-0.02
45) Acenaphthene-d10	9.10	164	185211	40.00	ng	-0.02
73) Phenanthrene-d10	11.97	188	317203	40.00	ng	-0.03
92) Chrysene-d12	17.59	240	332957	40.00	ng	-0.04
105) Perylene-d12	20.43	264	282847	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.52	112	121831	39.93	ng	-0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 39.93%			
9) Phenol-d5	4.61	99	152631	40.73	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 40.73%			
24) Nitrobenzene-d5	5.48	82	126640	39.72	ng	-0.02
Spiked Amount 50.000	Range 34 - 114		Recovery = 79.44%			
50) 2-Fluorobiphenyl	7.94	172	279401	40.18	ng	-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 80.36%			
72) 2,4,6-Tribromophenol	10.63	330	36629	39.43	ng	-0.03
Spiked Amount 100.000	Range 10 - 123		Recovery = 39.43%			
94) 4-Terphenyl-d14	15.38	244	347509	39.36	ng	-0.04
Spiked Amount 50.000	Range 33 - 141		Recovery = 78.72%			
Target Compounds						Qvalue
2) Pyridine	1.09	79	46082	37.74	ng	# 80
3) 2-Picoline	2.43	93	130980	39.66	ng	98
4) Methyl methanesulfonate	3.21	80	72186	38.88	ng	98
6) Ethyl methanesulfonate	4.07	79	95097	39.28	ng	99
7) Benzaldehyde	4.36	105	10020	36.82	ng	96
8) Aniline	4.52	66	70698	39.26	ng	98
10) Phenol	4.63	94	157190	40.86	ng	96
11) Bis(2-chloroethyl)ether	4.58	63	90321	39.54	ng	96
12) 2-Chlorophenol	4.68	128	124404	39.98	ng	100
13) 1,3-Dichlorobenzene	4.78	146	143148	40.09	ng	100
14) 1,4-Dichlorobenzene	4.84	146	140251	39.63	ng	100
15) 1,2-Dichlorobenzene	5.05	146	133929	40.03	ng	99
16) Benzyl alcohol	5.03	108	82012	39.68	ng	99
17) Bis(2-chloroisopropyl)ethe	5.18	45	178127	39.92	ng	99
18) 2-Methylphenol	5.23	107	98670	39.95	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Thu Mar 04 16:33:45 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.39	107	232600	79.74	ng		99
20)	N-Nitrosodi-n-propylamine	5.33	70	88503	38.81	ng		99
21)	N-Nitrosodimethylamine	1.09	42	18595	40.51	ng		85
22)	Hexachloroethane	5.39	117	47848	39.08	ng		99
25)	Acetophenone	5.30	105	328109	81.08	ng		99
26)	Nitrobenzene	5.50	77	125966	40.11	ng		98
27)	N-Nitrosopiperidine	5.67	114	60830	39.33	ng		100
28)	Isophorone	5.77	82	238307	40.14	ng		99
29)	2-Nitrophenol	5.88	139	64607	39.04	ng		99
30)	2,4-Dimethylphenol	5.97	122	108481	39.91	ng		100
31)	Bis(2-chloroethoxy)methane	6.04	93	134540	39.96	ng		99
32)	2,4-Dichlorophenol	6.22	162	101683	40.06	ng		99
33)	1,2,4-Trichlorobenzene	6.27	180	112091	40.16	ng		99
34)	Naphthalene	6.36	128	352161	40.60	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.49	162	96036	39.91	ng		99
37)	4-Chloroaniline	6.46	127	133336	40.05	ng		96
38)	Hexachlorobutadiene	6.59	225	65385	39.75	ng		99
39)	a,a-Dimethylphenethylamine	6.49	58	259728m	37.48	ng		
40)	Caprolactam	6.87	55	56271m	37.54	ng		
41)	4-Chloro-3-methylphenol	7.20	107	104444	40.82	ng		98
42)	N-Nitrosodi-n-butylamine	6.93	84	85552	36.37	ng		86
43)	2-Methylnaphthalene	7.33	142	242988	40.51	ng		98
44)	1-Methylnaphthalene	7.49	142	241445	40.39	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.65	216	119515	39.77	ng		99
47)	Hexachlorocyclopentadiene	7.68	237	43990	39.65	ng		99
48)	2,4,6-Trichlorophenol	7.84	196	72938	39.61	ng		100
49)	2,4,5-Trichlorophenol	7.95	196	73804	40.68	ng		99
51)	Biphenyl	8.08	154	319943	40.50	ng		99
52)	2-Chloronaphthalene	8.10	162	220221	40.16	ng		99
53)	1-Chloronaphthalene	8.16	162	207975	39.85	ng		100
54)	2-Nitroaniline	8.34	65	68207	39.27	ng		99
55)	3-Nitroaniline	9.08	138	64518	40.21	ng	#	99
56)	Pentachlorobenzene	9.50	250	100018	39.81	ng		99
57)	4-Nitroaniline	10.25	138	64459	39.84	ng		98
58)	2-Naphthylamine	9.62	143	192361	41.58	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Thu Mar 04 16:33:45 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.76	143	215576	42.15	ng		99
60)	Dimethyl phthalate	8.69	163	257325	39.59	ng		100
61)	Acenaphthylene	8.82	152	323961	40.57	ng		100
62)	2,6-Dinitrotoluene	8.81	165	56381	39.66	ng		97
63)	Acenaphthene	9.16	154	214753	40.20	ng		100
64)	2,4-Dinitrophenol	9.26	184	14614	38.49	ng		96
65)	Dibenzofuran	9.45	168	326250	40.66	ng		99
66)	4-Nitrophenol	9.57	65	50739	41.09	ng		98
67)	2,4-Dinitrotoluene	9.54	165	72357	39.38	ng		94
68)	2,3,4,6-Tetrachlorophenol	9.81	232	58961	39.20	ng		99
69)	Diethyl phthalate	10.02	149	251179	39.78	ng		99
70)	Fluorene	10.11	166	269535	40.68	ng		99
71)	4-Chlorophenyl phenyl ethe	10.12	204	127936	39.96	ng		100
74)	4,6-Dinitro-2-methylphenol	10.32	198	39541	36.85	ng		98
75)	Azobenzene	10.43	77	247909	40.07	ng		99
76)	1,2-Diphenylhydrazine	10.43	182	76151	39.87	ng		95
77)	Diphenylamine	10.37	170	52649	39.70	ng	#	95
78)	N-Nitrosodiphenylamine	10.37	168	249344	39.86	ng		97
79)	4-Bromophenyl phenyl ether	11.08	248	81771	39.74	ng		100
80)	Phenacetin	11.08	108	124022	39.71	ng		99
81)	Hexachlorobenzene	11.36	284	85816	40.03	ng		99
82)	Atrazine	11.53	200	81511	40.34	ng		99
83)	4-Aminobiphenyl	11.63	169	208290	40.31	ng		98
84)	Pentachlorophenol	11.77	266	30490	38.03	ng		99
85)	Pentachloronitrobenzene	11.90	237	29777	39.55	ng		99
86)	Pronamide	11.86	173	111788	39.67	ng		100
87)	Phenanthrene	12.02	178	376654	40.01	ng		99
88)	Anthracene	12.11	178	380726	40.32	ng		99
89)	Carbazole	12.48	167	371378	39.87	ng		99
90)	Di-n-butyl phthalate	13.37	149	422967	40.06	ng		99
91)	Fluoranthene	14.52	202	450902	40.16	ng		100
93)	Pyrene	14.98	202	455052	39.85	ng		99
95)	Benzidine	14.85	184	57294	37.52	ng		99
96)	Dimethylaminoazobenzene	15.73	225	99769	38.43	ng		99
97)	Butyl benzyl phthalate	16.54	149	189592	38.74	ng		99
98)	Benz(a)anthracene	17.56	228	458338	39.42	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Thu Mar 04 16:33:45 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

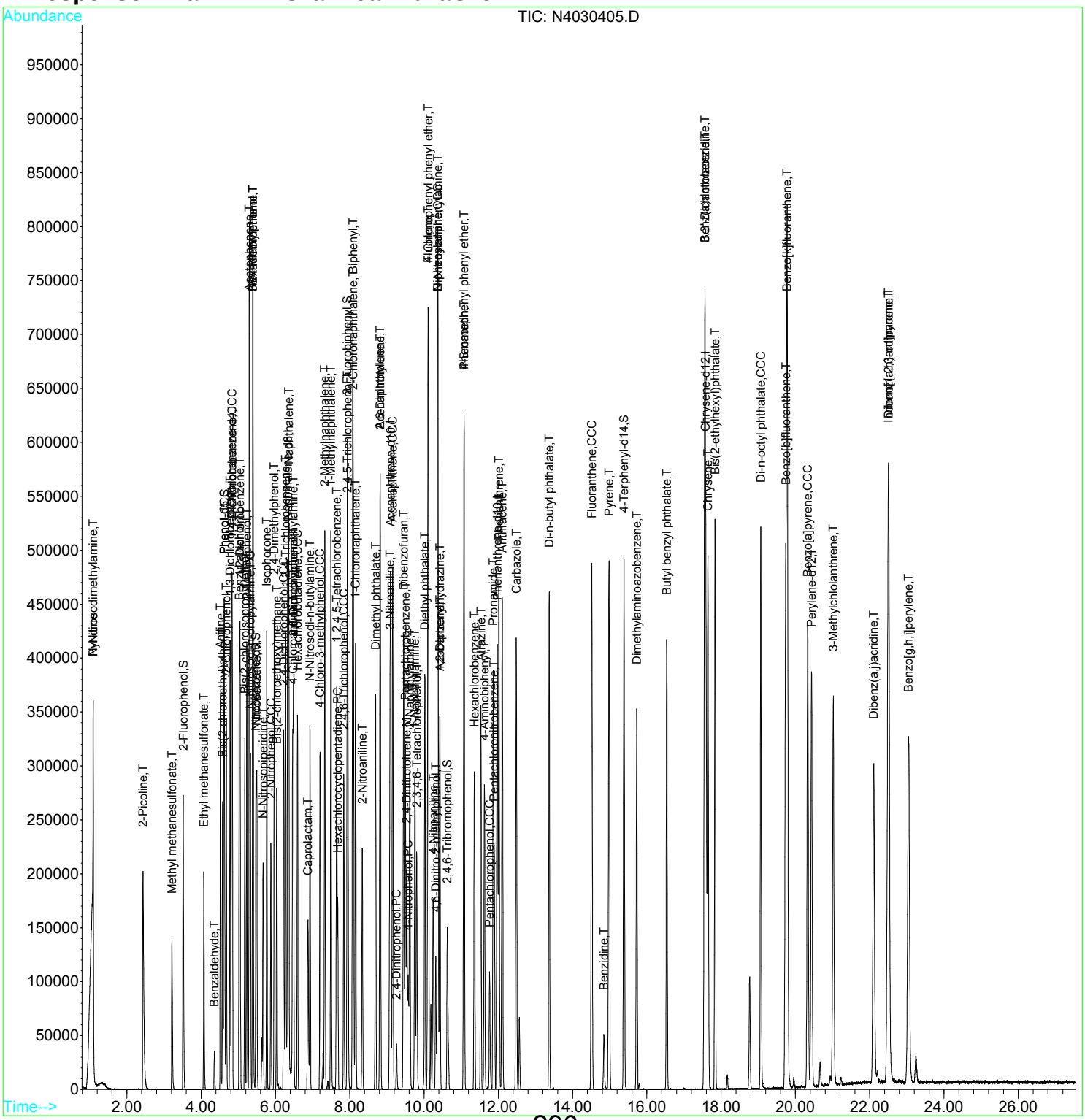
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.56	252	120923	34.64	ng		97
100)	Chrysene	17.64	228	413298	39.36	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.84	149	248698	38.44	ng		99
102)	Di-n-octyl phthalate	19.07	149	453450	38.63	µg		100
103)	3-Methylchlolanthrene	21.02	268	224609	39.56	µg		99
104)	Indeno[1,2,3-cd]pyrene	22.50	276	515102	39.80	ng	#	100
106)	Benzo[b]fluoranthene	19.74	252	469257	39.87	ng		100
107)	Benzo[k]fluoranthene	19.79	252	463213m	40.40	ng		
108)	Benzo[a]pyrene	20.33	252	441665	40.20	ng		100
109)	Dibenz(a,j)acridine	22.11	279	374392	39.47	ng		100
110)	Dibenz(a,h)anthracene	22.51	278	422429	40.11	ng		100
111)	Benzo[g,h,i]perylene	23.05	276	439006	39.59	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: B030404.RES

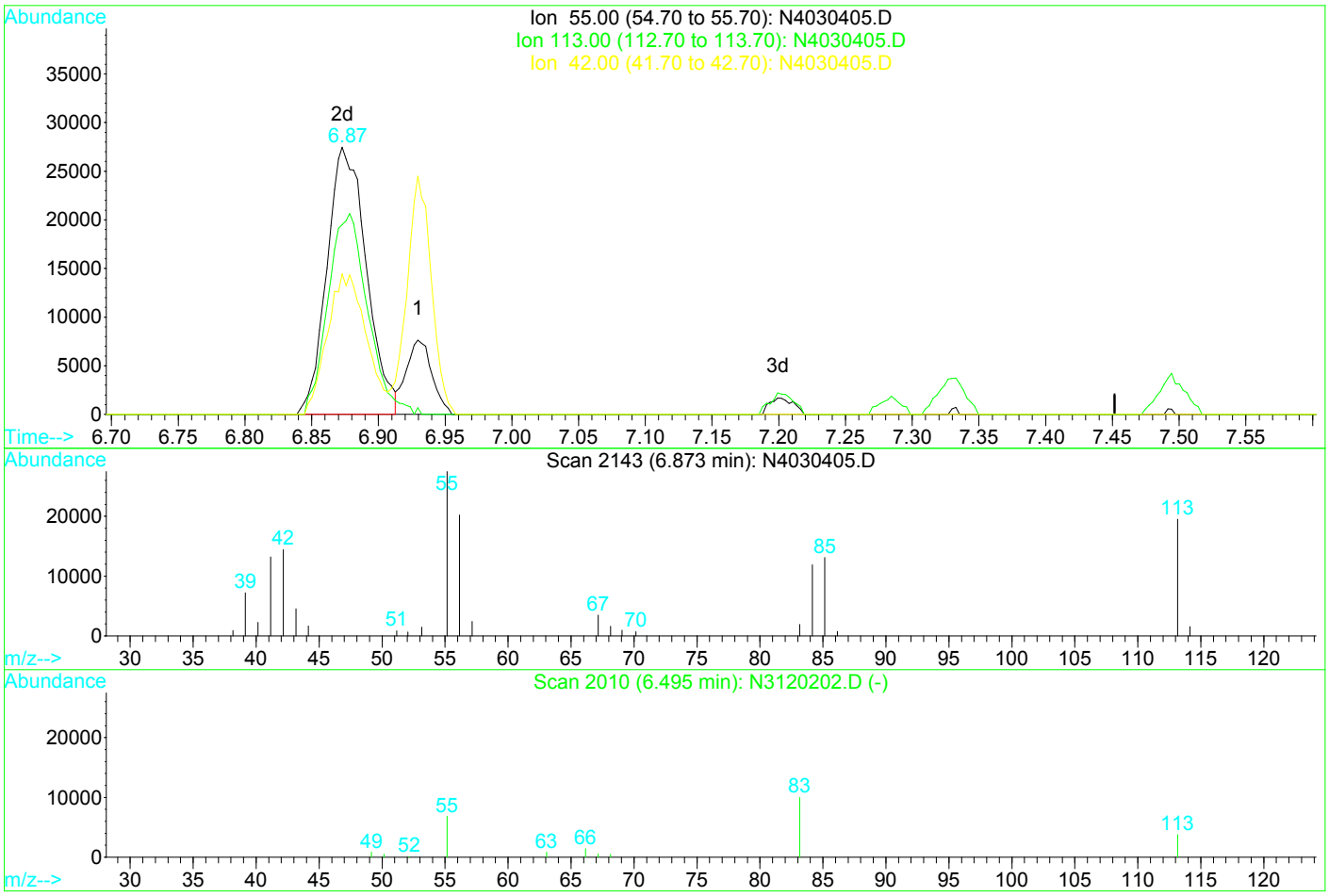
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030405.D

(40) Caprolactam (T)

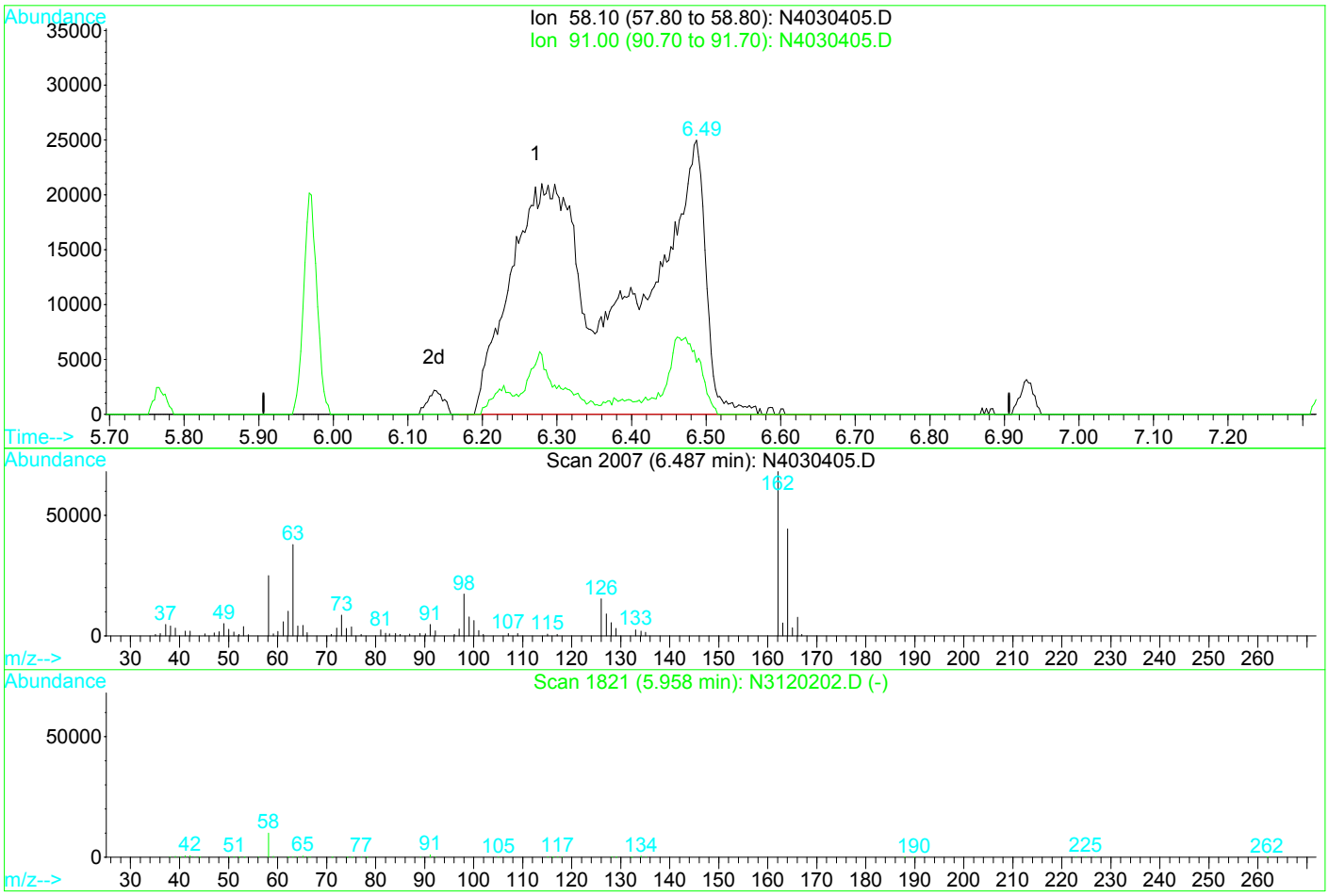
6.87min 37.54ng m

response 56271

Ion	Exp%	Act%
55.00	100	100
113.00	67.50	0.00#
42.00	92.90	55.85#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030405.D

(39) a,a-Dimethylphenethylamine (T)

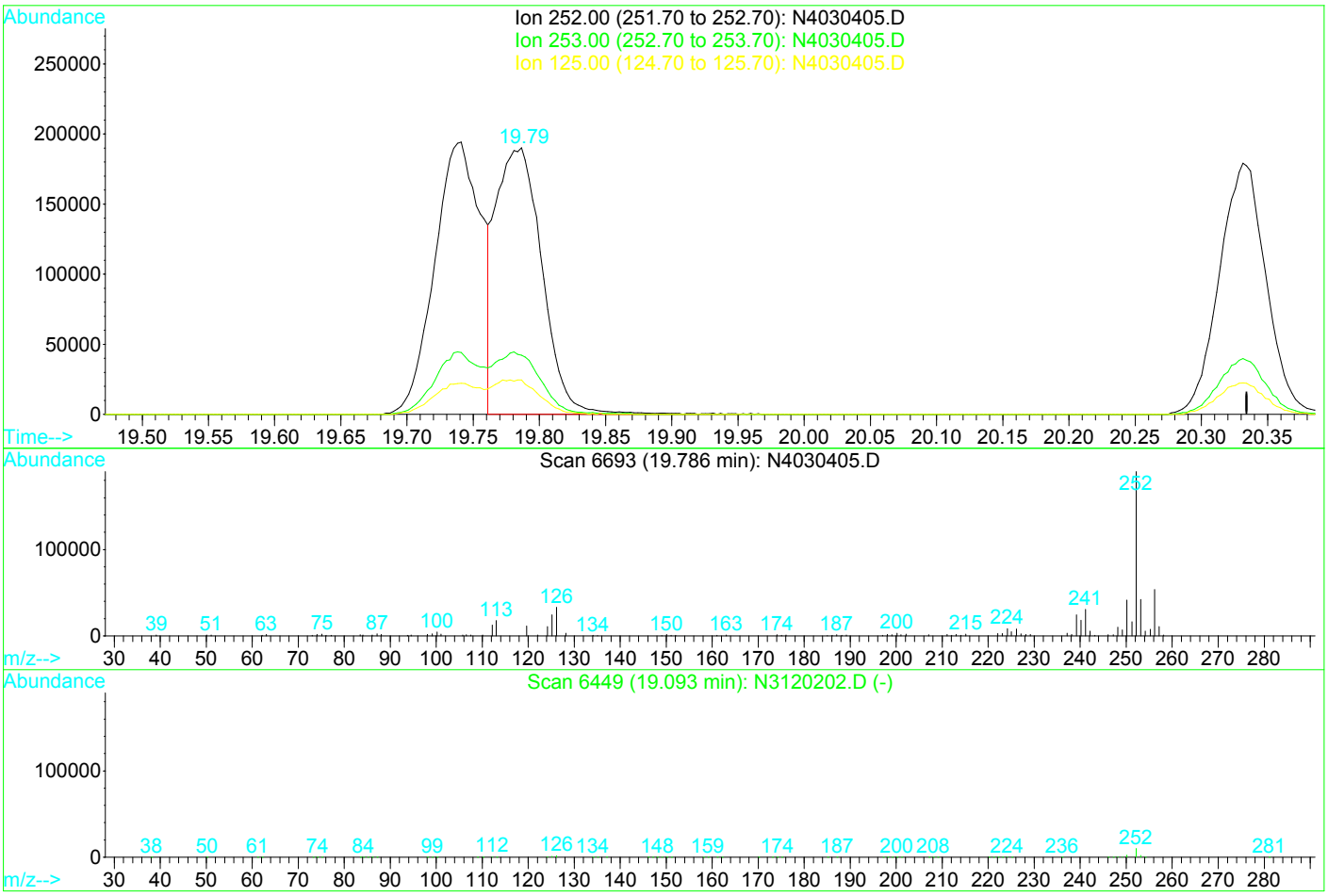
6.49min 37.48ng m

response 259728

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	2.57
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40304\N4030405.D Vial: 5
Acq On : 4 Mar 2004 11:36 am Operator: BP
Sample : BNA 40 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:51 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030405.D

(107) Benzo[k]fluoranthene (T)

19.79min 40.40ng m

response 463213

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.24
125.00	11.30	11.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:51:48 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	96182	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	334508	40.00	ng	0.01
45) Acenaphthene-d10	9.11	164	197779	40.00	ng	0.01
73) Phenanthrene-d10	11.98	188	333948	40.00	ng	0.00
92) Chrysene-d12	17.61	240	341932	40.00	ng	0.02
105) Perylene-d12	20.45	264	294125	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.53	112	194379	58.92	ng	0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 58.92%			
9) Phenol-d5	4.62	99	232036	57.26	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 57.26%			
24) Nitrobenzene-d5	5.49	82	201622	58.32	ng	0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 116.64%#			
50) 2-Fluorobiphenyl	7.94	172	434558	58.52	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 117.04%#			
72) 2,4,6-Tribromophenol	10.64	330	57899	58.37	ng	0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 58.37%			
94) 4-Terphenyl-d14	15.40	244	531951	58.67	ng	0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 117.34%			
Target Compounds						Qvalue
2) Pyridine	1.11	79	76699	58.09	ng	# 80
3) 2-Picoline	2.45	93	210641	58.98	ng	99
4) Methyl methanesulfonate	3.23	80	118120	58.83	ng	99
6) Ethyl methanesulfonate	4.09	79	152406	58.21	ng	99
7) Benzaldehyde	4.37	105	17378	59.05	ng	96
8) Aniline	4.53	66	113152	58.11	ng	99
10) Phenol	4.63	94	234771	56.43	ng	98
11) Bis(2-chloroethyl)ether	4.59	63	142737	57.79	ng	98
12) 2-Chlorophenol	4.69	128	195243	58.02	ng	99
13) 1,3-Dichlorobenzene	4.79	146	225100	58.30	ng	100
14) 1,4-Dichlorobenzene	4.85	146	221598	57.91	ng	99
15) 1,2-Dichlorobenzene	5.06	146	211074	58.35	ng	99
16) Benzyl alcohol	5.04	108	130683	58.47	ng	99
17) Bis(2-chloroisopropyl)ethe	5.19	45	282189	58.49	ng	100
18) 2-Methylphenol	5.24	107	155171	58.11	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:51:48 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.40	107	360720	114.37	ng		99
20)	N-Nitrosodi-n-propylamine	5.34	70	139953	56.75	ng		99
21)	N-Nitrosodimethylamine	1.10	42	27054	54.51	ng	#	81
22)	Hexachloroethane	5.40	117	76675	57.91	ng		98
25)	Acetophenone	5.31	105	509099	116.04	ng		99
26)	Nitrobenzene	5.51	77	197170	57.91	ng		99
27)	N-Nitrosopiperidine	5.68	114	97493	58.15	ng		99
28)	Isophorone	5.78	82	378049	58.74	ng		99
29)	2-Nitrophenol	5.89	139	105331	58.71	ng		99
30)	2,4-Dimethylphenol	5.98	122	170377	57.82	ng		100
31)	Bis(2-chloroethoxy)methane	6.04	93	212567	58.24	ng		99
32)	2,4-Dichlorophenol	6.23	162	160198	58.22	ng		98
33)	1,2,4-Trichlorobenzene	6.28	180	175080	57.86	ng		99
34)	Naphthalene	6.37	128	548112	58.29	ng		100
35)	Benzoic acid	6.12	122	12047	63.59	ng		86
36)	2,6-Dichlorophenol	6.49	162	152046	58.28	ng		100
37)	4-Chloroaniline	6.47	127	212423	58.86	ng		98
38)	Hexachlorobutadiene	6.61	225	103973	58.31	ng		99
39)	a,a-Dimethylphenethylamine	6.34	58	425536m	56.65	ng		
40)	Caprolactam	6.90	55	88969	54.75	ng	#	94
41)	4-Chloro-3-methylphenol	7.21	107	158532	57.15	ng		98
42)	N-Nitrosodi-n-butylamine	6.94	84	140582	55.12	ng		98
43)	2-Methylnaphthalene	7.34	142	374477	57.59	ng		99
44)	1-Methylnaphthalene	7.51	142	375288	57.91	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.66	216	189389	59.02	ng		99
47)	Hexachlorocyclopentadiene	7.69	237	72914	61.54	ng		98
48)	2,4,6-Trichlorophenol	7.85	196	115471	58.72	ng		99
49)	2,4,5-Trichlorophenol	7.96	196	113185	58.43	ng		99
51)	Biphenyl	8.09	154	490529	58.14	ng		99
52)	2-Chloronaphthalene	8.11	162	337074	57.56	ng		100
53)	1-Chloronaphthalene	8.17	162	322010	57.77	ng		100
54)	2-Nitroaniline	8.35	65	108104	58.29	ng		99
55)	3-Nitroaniline	9.09	138	100095	58.42	ng		99
56)	Pentachlorobenzene	9.51	250	155341	57.90	ng		99
57)	4-Nitroaniline	10.27	138	98961	57.27	ng		99
58)	2-Naphthylamine	9.63	143	298860	60.49	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:51:48 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.77	143	313602	57.42	ng	99
60)	Dimethyl phthalate	8.71	163	402347	57.97	ng	100
61)	Acenaphthylene	8.84	152	499940	58.62	ng	99
62)	2,6-Dinitrotoluene	8.83	165	88872	58.54	ng	99
63)	Acenaphthene	9.17	154	331006	58.02	ng	100
64)	2,4-Dinitrophenol	9.28	184	29703	56.12	ng	98
65)	Dibenzofuran	9.47	168	495089	57.78	ng	99
66)	4-Nitrophenol	9.58	65	78092	59.23	ng	98
67)	2,4-Dinitrotoluene	9.55	165	113384	57.78	ng	91
68)	2,3,4,6-Tetrachlorophenol	9.82	232	93216	58.04	ng	99
69)	Diethyl phthalate	10.04	149	392243	58.18	ng	100
70)	Fluorene	10.12	166	407268	57.56	ng	100
71)	4-Chlorophenyl phenyl ethe	10.13	204	195333	57.14	ng	100
74)	4,6-Dinitro-2-methylphenol	10.33	198	67404	59.66	ng	99
75)	Azobenzene	10.44	77	379364	58.24	ng	100
76)	1,2-Diphenylhydrazine	10.44	182	116817	58.10	ng	100
77)	Diphenylamine	10.39	170	80094	57.37	ng	99
78)	N-Nitrosodiphenylamine	10.39	168	377313	57.30	ng	100
79)	4-Bromophenyl phenyl ether	11.09	248	124938	57.67	ng	99
80)	Phenacetin	11.10	108	190221	57.86	ng	99
81)	Hexachlorobenzene	11.37	284	130268	57.72	ng	99
82)	Atrazine	11.55	200	125500	59.00	ng	99
83)	4-Aminobiphenyl	11.64	169	323436	59.46	ng	99
84)	Pentachlorophenol	11.78	266	53747	56.10	ng	100
85)	Pentachloronitrobenzene	11.90	237	45994	58.03	ng	99
86)	Pronamide	11.88	173	173511	58.49	ng	99
87)	Phenanthrene	12.03	178	571067	57.62	ng	100
88)	Anthracene	12.12	178	572034	57.54	ng	100
89)	Carbazole	12.50	167	564002	57.51	ng	100
90)	Di-n-butyl phthalate	13.38	149	656070	59.02	ng	100
91)	Fluoranthene	14.53	202	688321	58.23	ng	100
93)	Pyrene	14.99	202	689335	58.78	ng	100
95)	Benzidine	14.86	184	95046	54.67	ng	98
96)	Dimethylaminoazobenzene	15.74	225	156593	58.73	ng	100
97)	Butyl benzyl phthalate	16.55	149	297229	59.14	ng	100
98)	Benz(a)anthracene	17.57	228	698383	58.49	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:51:48 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

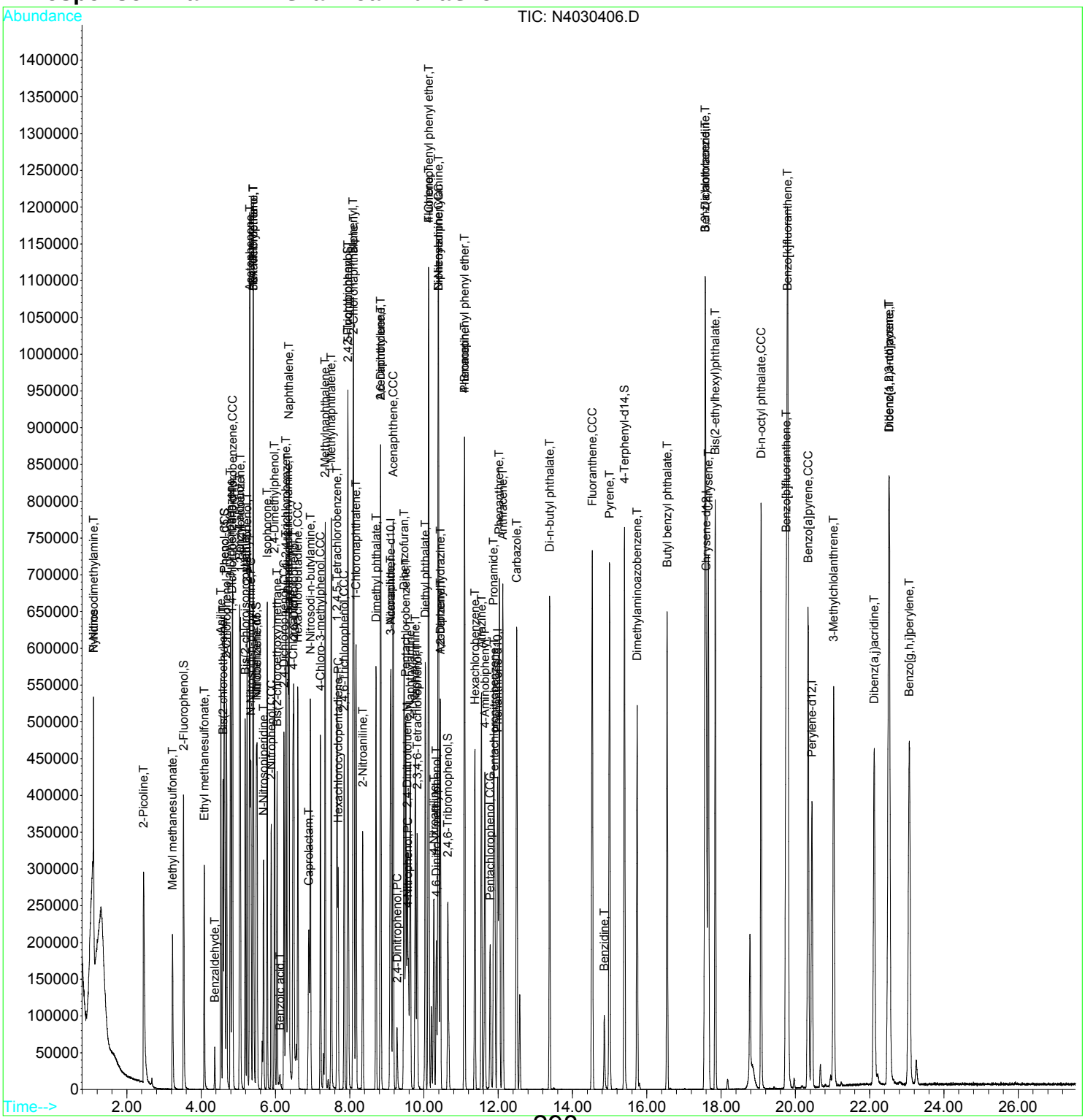
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.58	252	194912	54.37	ng		98
100)	Chrysene	17.66	228	628627	58.29	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.84	149	390534	58.78	ng		100
102)	Di-n-octyl phthalate	19.08	149	715561	59.36	µg		100
103)	3-Methylchlolanthrene	21.03	268	341581	58.58	µg		100
104)	Indeno[1,2,3-cd]pyrene	22.51	276	760409	57.21	ng	#	100
106)	Benzo[b]fluoranthene	19.75	252	723037	59.08	ng		99
107)	Benzo[k]fluoranthene	19.80	252	669706m	56.17	ng		
108)	Benzo[a]pyrene	20.35	252	668623	58.52	ng		100
109)	Dibenz(a,j)acridine	22.12	279	566024	57.38	ng		100
110)	Dibenz(a,h)anthracene	22.54	278	624829	57.05	ng		99
111)	Benzo[g,h,i]perylene	23.07	276	652520	56.58	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: B030404.RES

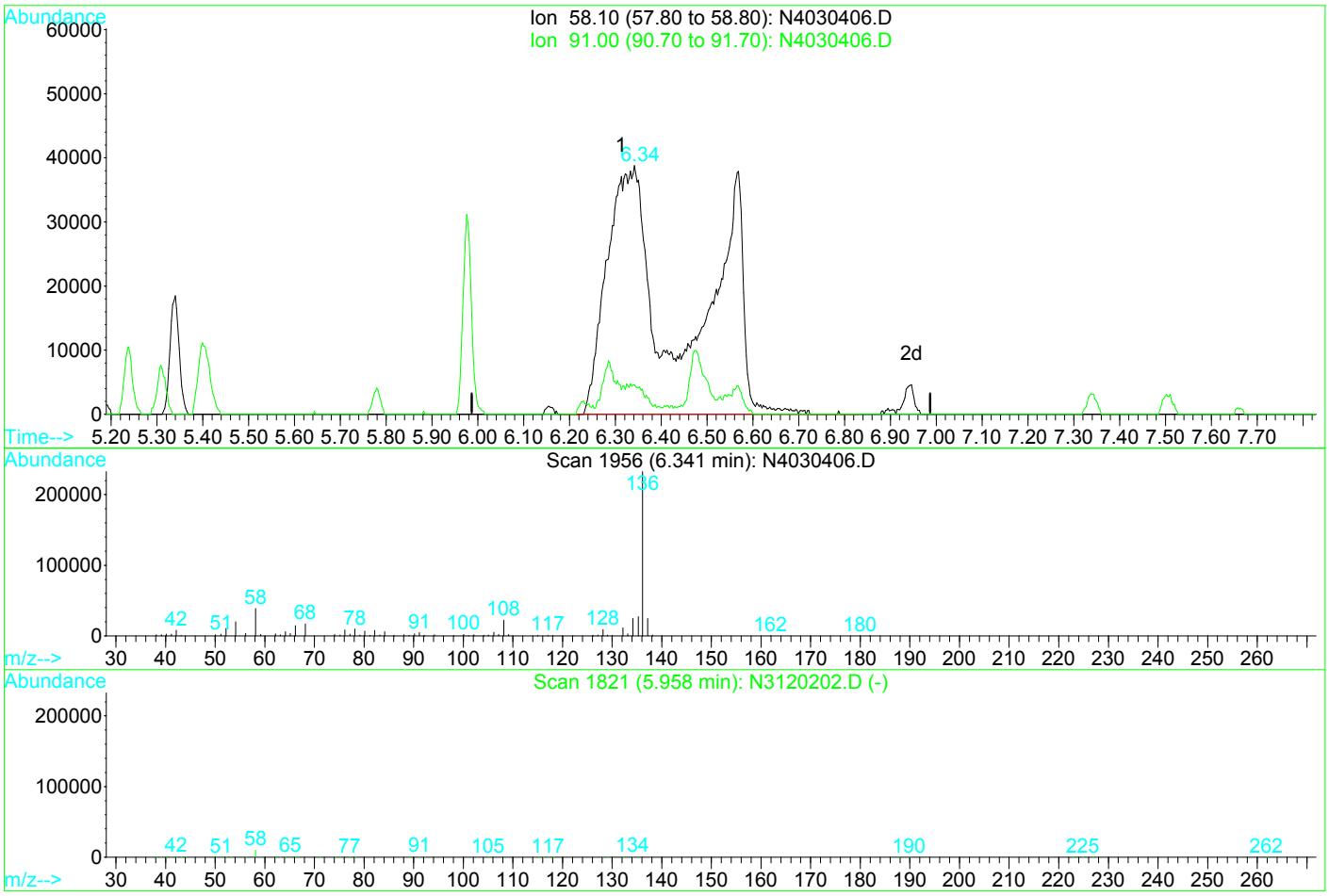
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030406.D

(39) a,a-Dimethylphenethylamine (T)

6.34min 56.65ng m

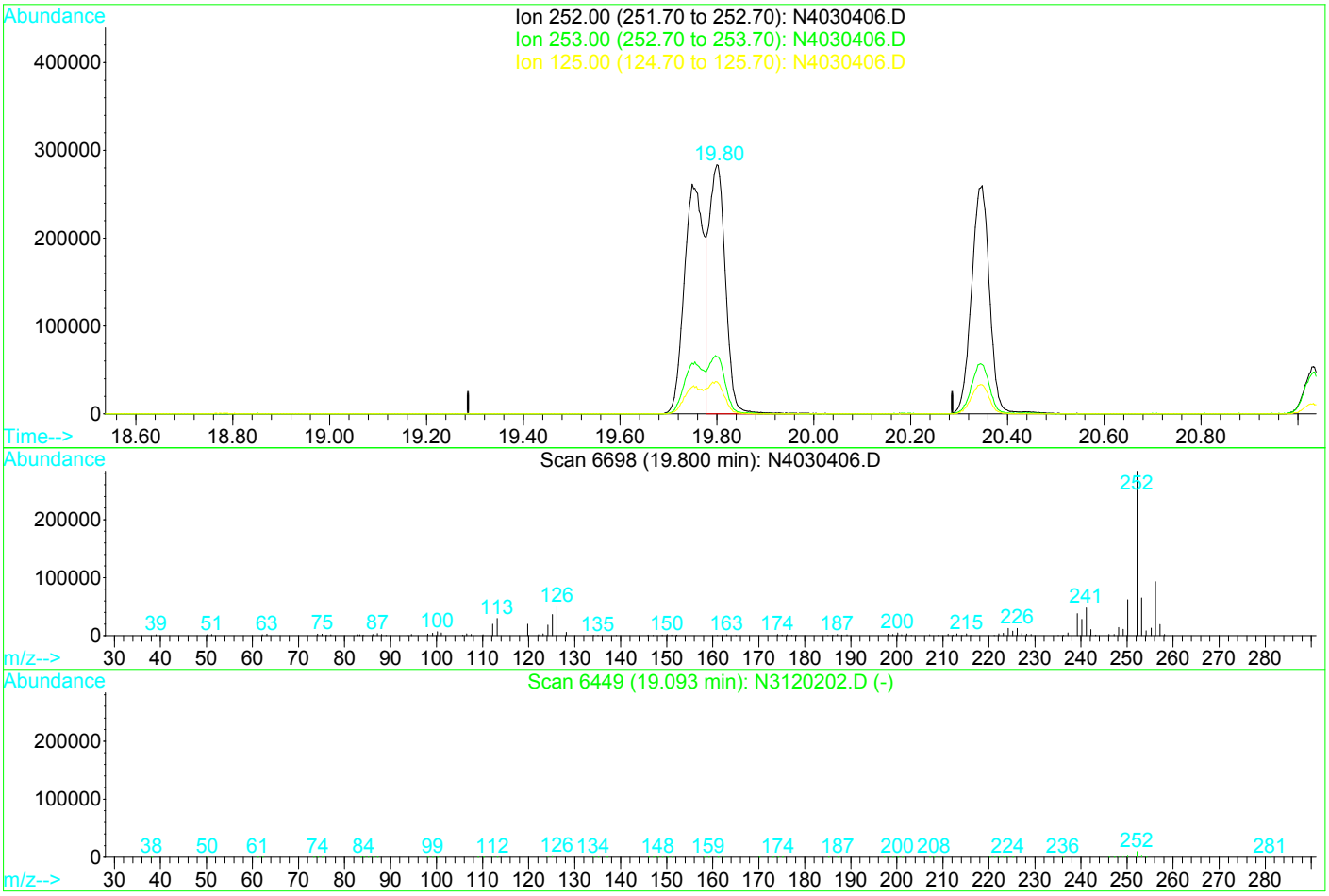
response 425536

Ion	Exp%	Act%
58.10	100	100
91.00	2.60	3.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030406.D Vial: 6
Acq On : 4 Mar 2004 12:12 pm Operator: BP
Sample : BNA 60 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:54 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030406.D

(107) Benzo[k]fluoranthene (T)

19.80min 56.17ng m

response 669706

Ion	Exp%	Act%
252.00	100	100
253.00	23.20	24.62
125.00	11.60	11.80
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:54:49 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	87312	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	308356	40.00	ng	0.00
45) Acenaphthene-d10	9.11	164	189100	40.00	ng	0.00
73) Phenanthrene-d10	11.98	188	327044	40.00	ng	0.00
92) Chrysene-d12	17.61	240	343325	40.00	ng	0.00
105) Perylene-d12	20.44	264	292966	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.52	112	237753	79.39	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 79.39%			
9) Phenol-d5	4.61	99	290215	78.90	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 78.90%			
24) Nitrobenzene-d5	5.48	82	249953	78.44	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 156.88%#			
50) 2-Fluorobiphenyl	7.94	172	539318	75.96	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 151.92%#			
72) 2,4,6-Tribromophenol	10.64	330	78375	82.63	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 82.63%			
94) 4-Terphenyl-d14	15.40	244	713839	78.41	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 156.82%#			
Target Compounds						Qvalue
2) Pyridine	1.10	79	96256	80.31	ng	# 89
3) 2-Picoline	2.44	93	262359	80.92	ng	99
4) Methyl methanesulfonate	3.23	80	144458	79.26	ng	100
6) Ethyl methanesulfonate	4.08	79	186782	78.59	ng	99
7) Benzaldehyde	4.36	105	21557	80.70	ng	99
8) Aniline	4.53	66	143588	81.24	ng	100
10) Phenol	4.63	94	295834	78.33	ng	100
11) Bis(2-chloroethyl)ether	4.59	63	172442	76.91	ng	99
12) 2-Chlorophenol	4.68	128	235965	77.25	ng	99
13) 1,3-Dichlorobenzene	4.79	146	272093	77.64	ng	99
14) 1,4-Dichlorobenzene	4.85	146	270066	77.75	ng	98
15) 1,2-Dichlorobenzene	5.05	146	252021	76.74	ng	100
16) Benzyl alcohol	5.03	108	161743	79.72	ng	100
17) Bis(2-chloroisopropyl)ethe	5.18	45	337252	77.01	ng	99
18) 2-Methylphenol	5.23	107	191614	79.04	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:54:49 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.40	107	445308	155.53	ng		99
20)	N-Nitrosodi-n-propylamine	5.34	70	174140	77.79	ng		99
21)	N-Nitrosodimethylamine	1.10	42	36539	81.09	ng		89
22)	Hexachloroethane	5.40	117	91769	76.36	ng		98
25)	Acetophenone	5.31	105	619349	153.15	ng		99
26)	Nitrobenzene	5.51	77	245101	78.10	ng		100
27)	N-Nitrosopiperidine	5.68	114	121896	78.87	ng		99
28)	Isophorone	5.78	82	461775	77.83	ng		100
29)	2-Nitrophenol	5.88	139	132062	79.85	ng		99
30)	2,4-Dimethylphenol	5.97	122	214076	78.81	ng		99
31)	Bis(2-chloroethoxy)methane	6.04	93	259953	77.26	ng		100
32)	2,4-Dichlorophenol	6.23	162	203334	80.16	ng		98
33)	1,2,4-Trichlorobenzene	6.28	180	215647	77.31	ng		100
34)	Naphthalene	6.36	128	669485	77.24	ng		99
35)	Benzoic acid	6.13	122	33743	78.24	ng		87
36)	2,6-Dichlorophenol	6.49	162	189321	78.73	ng		100
37)	4-Chloroaniline	6.47	127	267258	80.33	ng		98
38)	Hexachlorobutadiene	6.60	225	126788	77.13	ng		100
39)	a,a-Dimethylphenethylamine	6.34	58	558292m	80.62	ng		
40)	Caprolactam	6.91	55	134188	89.59	ng	#	81
41)	4-Chloro-3-methylphenol	7.21	107	207454	81.13	ng		100
42)	N-Nitrosodi-n-butylamine	6.94	84	182431	77.60	ng	#	83
43)	2-Methylnaphthalene	7.34	142	464000	77.41	ng		100
44)	1-Methylnaphthalene	7.50	142	464581	77.77	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.66	216	234759	76.52	ng		99
47)	Hexachlorocyclopentadiene	7.68	237	95494	84.30	ng		100
48)	2,4,6-Trichlorophenol	7.85	196	150990	80.31	ng		100
49)	2,4,5-Trichlorophenol	7.96	196	144630	78.08	ng		97
51)	Biphenyl	8.09	154	614170	76.14	ng		100
52)	2-Chloronaphthalene	8.11	162	423540	75.65	ng		100
53)	1-Chloronaphthalene	8.17	162	402357	75.50	ng		99
54)	2-Nitroaniline	8.35	65	141058	79.55	ng		99
55)	3-Nitroaniline	9.09	138	134458	82.07	ng		99
56)	Pentachlorobenzene	9.51	250	198893	77.54	ng		99
57)	4-Nitroaniline	10.27	138	134067	81.15	ng		100
58)	2-Naphthylamine	9.63	143	397239	84.10	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:54:49 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.77	143	404036	77.37	ng	98
60)	Dimethyl phthalate	8.71	163	517629	78.00	ng	100
61)	Acenaphthylene	8.83	152	629266	77.17	ng	99
62)	2,6-Dinitrotoluene	8.83	165	116617	80.34	ng	99
63)	Acenaphthene	9.17	154	420409	77.07	ng	100
64)	2,4-Dinitrophenol	9.28	184	44178	76.75	ng	97
65)	Dibenzofuran	9.46	168	634502	77.46	ng	100
66)	4-Nitrophenol	9.58	65	95429	75.70	ng	88
67)	2,4-Dinitrotoluene	9.55	165	153296	81.71	ng	97
68)	2,3,4,6-Tetrachlorophenol	9.81	232	124770	81.26	ng	98
69)	Diethyl phthalate	10.03	149	504515	78.26	ng	99
70)	Fluorene	10.12	166	525508	77.69	ng	100
71)	4-Chlorophenyl phenyl ethe	10.13	204	250512	76.64	ng	99
74)	4,6-Dinitro-2-methylphenol	10.34	198	95865	86.64	ng	99
75)	Azobenzene	10.44	77	487905	76.48	ng	100
76)	1,2-Diphenylhydrazine	10.44	182	150333	76.35	ng	100
77)	Diphenylamine	10.39	170	105285	77.00	ng	96
78)	N-Nitrosodiphenylamine	10.39	168	485908	75.35	ng	99
79)	4-Bromophenyl phenyl ether	11.09	248	165766	78.13	ng	98
80)	Phenacetin	11.10	108	258999	80.44	ng	99
81)	Hexachlorobenzene	11.37	284	172014	77.83	ng	99
82)	Atrazine	11.55	200	165512	79.45	ng	100
83)	4-Aminobiphenyl	11.64	169	440885	82.76	ng	99
84)	Pentachlorophenol	11.78	266	79196	78.73	ng	99
85)	Pentachloronitrobenzene	11.90	237	60696	78.19	ng	99
86)	Pronamide	11.88	173	233188	80.26	ng	99
87)	Phenanthrene	12.03	178	749290	77.20	ng	100
88)	Anthracene	12.12	178	757515	77.80	ng	100
89)	Carbazole	12.49	167	763585	79.51	ng	100
90)	Di-n-butyl phthalate	13.38	149	872116	80.11	ng	100
91)	Fluoranthene	14.53	202	921611	79.61	ng	99
93)	Pyrene	15.00	202	914041	77.62	ng	100
95)	Benzidine	14.85	184	139885	75.62	ng	99
96)	Dimethylaminoazobenzene	15.74	225	214876	80.26	ng	99
97)	Butyl benzyl phthalate	16.55	149	409722	81.19	ng	100
98)	Benz(a)anthracene	17.57	228	945504	78.87	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:54:49 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

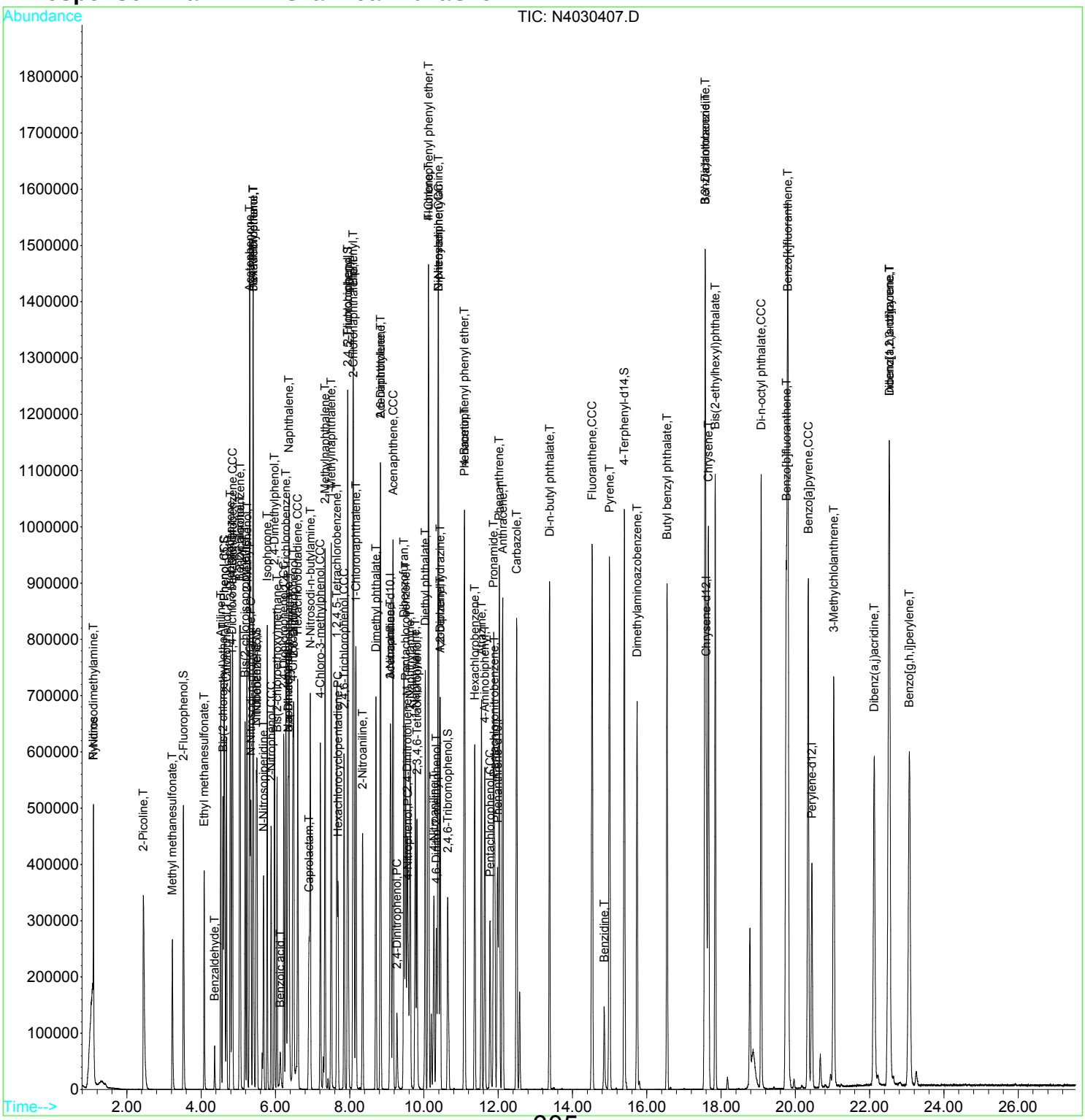
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.58	252	272327	75.65	ng		100
100)	Chrysene	17.66	228	845478	78.08	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.84	149	538875	80.78	ng		100
102)	Di-n-octyl phthalate	19.08	149	980323	81.00	µg		100
103)	3-Methylchlolanthrene	21.03	268	460788	78.71	µg		99
104)	Indeno[1,2,3-cd]pyrene	22.52	276	1001402	75.04	ng	#	100
106)	Benzo[b]fluoranthene	19.75	252	932527	76.50	ng		98
107)	Benzo[k]fluoranthene	19.80	252	928478m	78.17	ng		
108)	Benzo[a]pyrene	20.35	252	892556	78.43	ng		99
109)	Dibenz(a,j)acridine	22.12	279	750648	76.39	ng	#	94
110)	Dibenz(a,h)anthracene	22.54	278	824042	75.53	ng		100
111)	Benzo[g,h,i]perylene	23.07	276	860901	74.95	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: B030404.RES

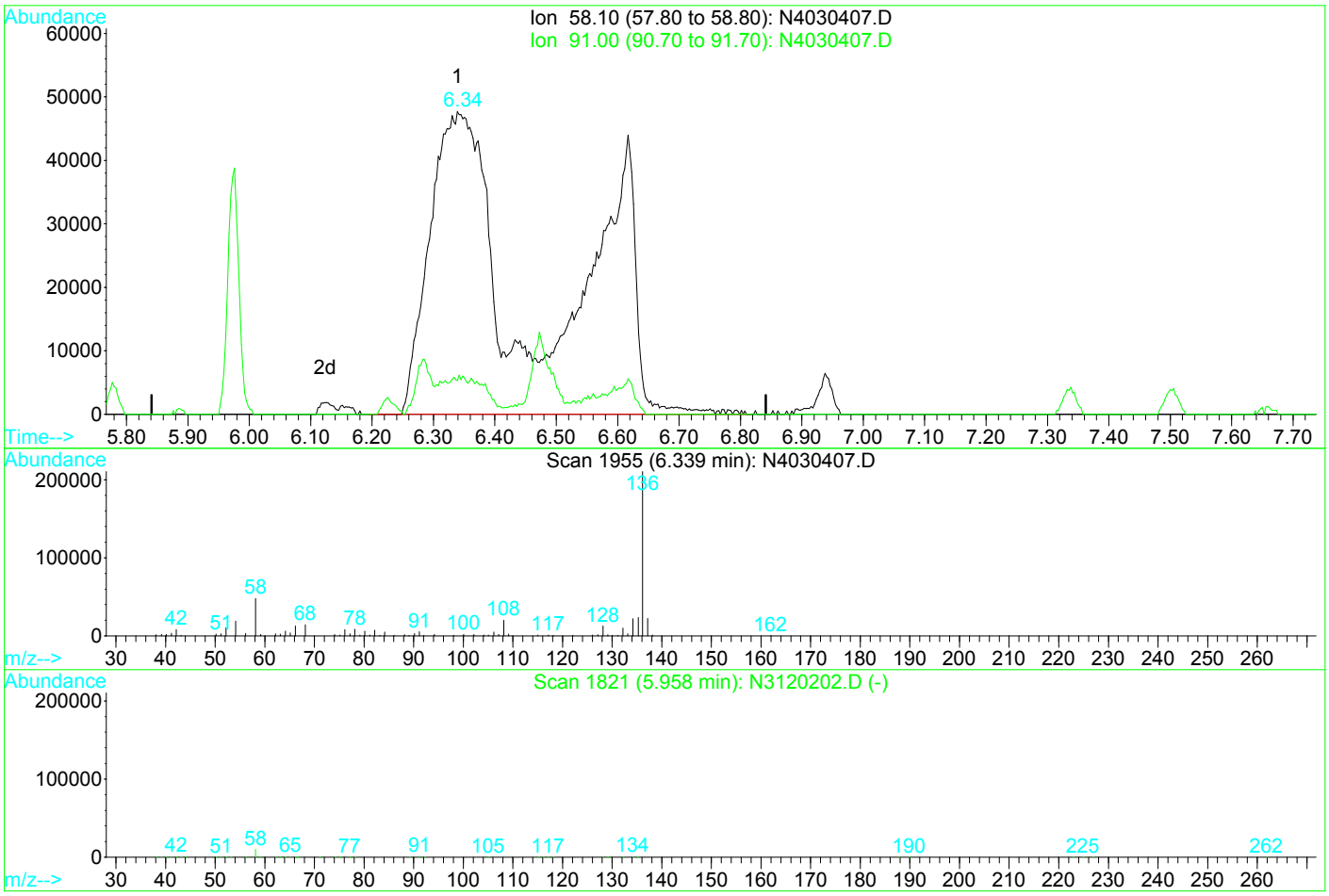
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030407.D

(39) a,a-Dimethylphenethylamine (T)

6.34min 80.62ng m

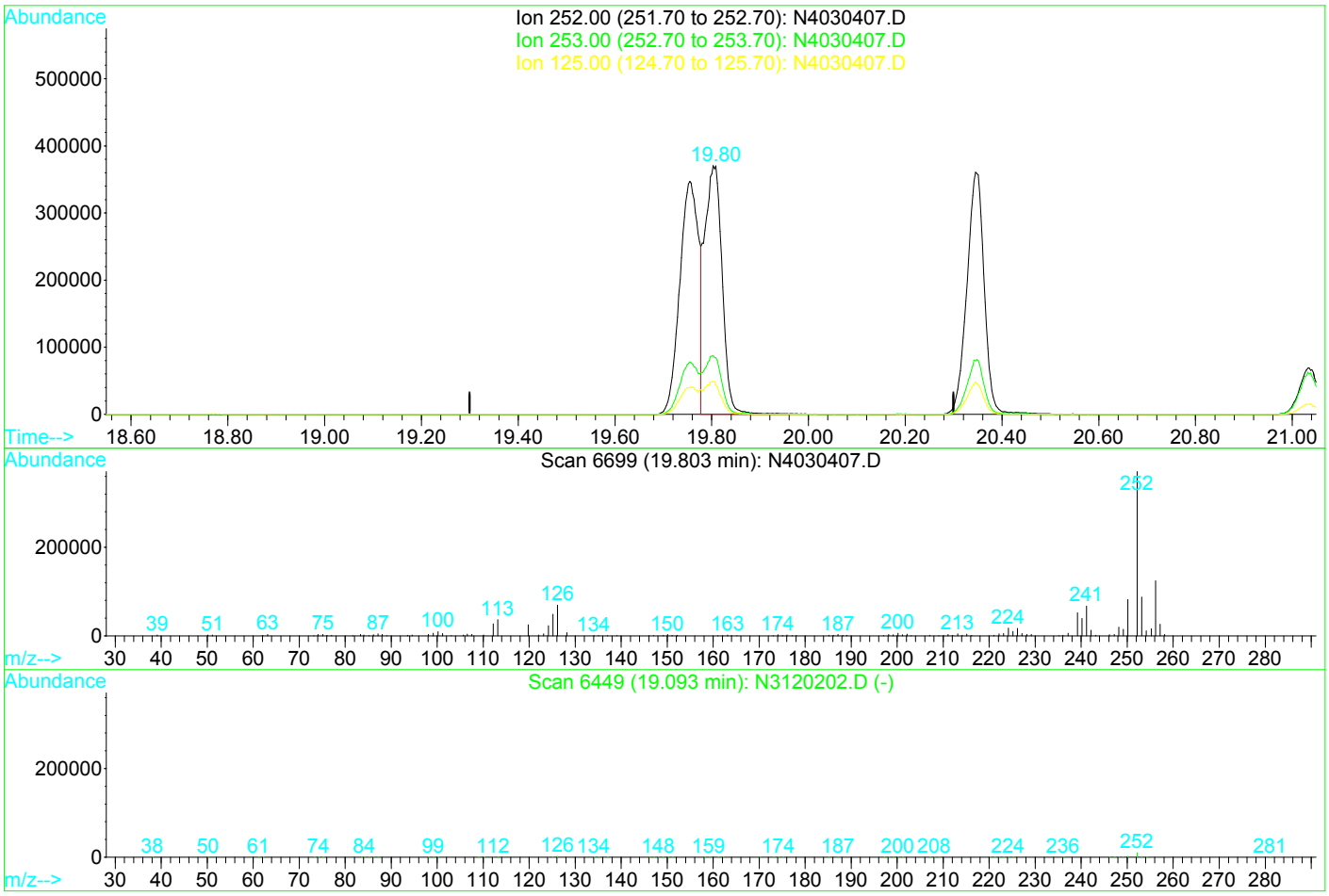
response 558292

Ion	Exp%	Act%
58.10	100	100
91.00	3.30	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030407.D Vial: 7
Acq On : 4 Mar 2004 12:49 pm Operator: BP
Sample : BNA 80 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 8:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030407.D

(107) Benzo[k]fluoranthene (T)

19.80min 78.17ng m

response 928478

Ion	Exp%	Act%
252.00	100	100
253.00	24.60	21.60
125.00	11.80	10.86
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:57:27 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.84	152	95671	40.00	ng	0.00
23) Naphthalene-d8	6.35	136	342069	40.00	ng	0.02
45) Acenaphthene-d10	9.12	164	202756	40.00	ng	0.02
73) Phenanthrene-d10	12.00	188	340750	40.00	ng	0.02
92) Chrysene-d12	17.63	240	355660	40.00	ng	0.02
105) Perylene-d12	20.47	264	317532	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.53	112	384115	117.05	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 117.05%#			
9) Phenol-d5	4.62	99	440982	109.41	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 109.41%			
24) Nitrobenzene-d5	5.50	82	401531	113.58	ng	0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 227.16%#			
50) 2-Fluorobiphenyl	7.96	172	841375	110.53	ng	0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 221.06%#			
72) 2,4,6-Tribromophenol	10.66	330	122450	120.41	ng	0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 120.41%			
94) 4-Terphenyl-d14	15.42	244	1046855	111.01	ng	0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 222.02%#			
Target Compounds						Qvalue
2) Pyridine	1.10	79	147970	112.67	ng	# 89
3) 2-Picoline	2.45	93	426299	120.00	ng	99
4) Methyl methanesulfonate	3.24	80	236879	118.61	ng	99
6) Ethyl methanesulfonate	4.09	79	307353	118.03	ng	99
7) Benzaldehyde	4.37	105	37446	127.93	ng	100
8) Aniline	4.54	66	229569	118.53	ng	98
10) Phenol	4.63	94	456236	110.25	ng	97
11) Bis(2-chloroethyl)ether	4.60	63	268418	109.26	ng	96
12) 2-Chlorophenol	4.69	128	377941	112.92	ng	99
13) 1,3-Dichlorobenzene	4.80	146	430759	112.17	ng	100
14) 1,4-Dichlorobenzene	4.86	146	432108	113.53	ng	99
15) 1,2-Dichlorobenzene	5.06	146	405921	112.81	ng	99
16) Benzyl alcohol	5.05	108	255987	115.14	ng	100
17) Bis(2-chloroisopropyl)ethe	5.20	45	542909	113.13	ng	99
18) 2-Methylphenol	5.25	107	297490	111.99	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:57:27 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.41	107	687198	219.04	ng		100
20)	N-Nitrosodi-n-propylamine	5.36	70	279870	114.09	ng		100
21)	N-Nitrosodimethylamine	1.11	42	54854	111.10	ng		92
22)	Hexachloroethane	5.41	117	146679	111.38	ng		99
25)	Acetophenone	5.32	105	968156	215.80	ng		99
26)	Nitrobenzene	5.52	77	384264	110.37	ng		98
27)	N-Nitrosopiperidine	5.70	114	197046	114.92	ng		100
28)	Isophorone	5.79	82	730346	110.96	ng		100
29)	2-Nitrophenol	5.90	139	216559	118.04	ng		99
30)	2,4-Dimethylphenol	5.99	122	336738	111.75	ng		99
31)	Bis(2-chloroethoxy)methane	6.06	93	417217	111.78	ng		100
32)	2,4-Dichlorophenol	6.24	162	323790	115.07	ng		99
33)	1,2,4-Trichlorobenzene	6.30	180	343984	111.17	ng		99
34)	Naphthalene	6.38	128	1049359	109.13	ng		100
35)	Benzoic acid	6.18	122	99622	114.53	ng		98
36)	2,6-Dichlorophenol	6.51	162	299583	112.30	ng		99
37)	4-Chloroaniline	6.49	127	417381	113.10	ng		99
38)	Hexachlorobutadiene	6.61	225	205670	112.79	ng		100
39)	a,a-Dimethylphenethylamine	6.41	58	862061m	112.22	ng		
40)	Caprolactam	6.95	55	205029	123.39	ng	#	64
41)	4-Chloro-3-methylphenol	7.22	107	322848	113.82	ng		100
42)	N-Nitrosodi-n-butylamine	6.96	84	343999	131.90	ng		84
43)	2-Methylnaphthalene	7.35	142	727043	109.34	ng		100
44)	1-Methylnaphthalene	7.52	142	721491	108.87	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.67	216	371051	112.80	ng		99
47)	Hexachlorocyclopentadiene	7.70	237	158625	130.59	ng		99
48)	2,4,6-Trichlorophenol	7.87	196	236824	117.48	ng		99
49)	2,4,5-Trichlorophenol	7.97	196	225354	113.47	ng		98
51)	Biphenyl	8.11	154	944416	109.20	ng		99
52)	2-Chloronaphthalene	8.13	162	653968	108.94	ng		99
53)	1-Chloronaphthalene	8.19	162	626572	109.66	ng		99
54)	2-Nitroaniline	8.37	65	223854	117.74	ng		99
55)	3-Nitroaniline	9.11	138	207142	117.92	ng		100
56)	Pentachlorobenzene	9.53	250	305339	111.02	ng		99
57)	4-Nitroaniline	10.29	138	204974	115.71	ng		98
58)	2-Naphthylamine	9.65	143	593888	117.26	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:57:27 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.79	143	601575	107.44	ng	100
60)	Dimethyl phthalate	8.73	163	808184	113.58	ng	100
61)	Acenaphthylene	8.85	152	963737	110.23	ng	100
62)	2,6-Dinitrotoluene	8.84	165	181509	116.62	ng	99
63)	Acenaphthene	9.19	154	649733	111.09	ng	99
64)	2,4-Dinitrophenol	9.29	184	79224	115.60	ng	95
65)	Dibenzofuran	9.48	168	973050	110.78	ng	99
66)	4-Nitrophenol	9.59	65	165167	122.19	ng	85
67)	2,4-Dinitrotoluene	9.57	165	238423	118.52	ng	98
68)	2,3,4,6-Tetrachlorophenol	9.83	232	194488	118.13	ng	99
69)	Diethyl phthalate	10.06	149	769095	111.27	ng	99
70)	Fluorene	10.14	166	789536	108.86	ng	100
71)	4-Chlorophenyl phenyl ethe	10.15	204	380991	108.71	ng	100
74)	4,6-Dinitro-2-methylphenol	10.36	198	154971	134.43	ng	98
75)	Azobenzene	10.46	77	729703	109.78	ng	99
76)	1,2-Diphenylhydrazine	10.46	182	231990	113.08	ng	95
77)	Diphenylamine	10.41	170	157006	110.21	ng	97
78)	N-Nitrosodiphenylamine	10.41	168	740234	110.17	ng	97
79)	4-Bromophenyl phenyl ether	11.10	248	254116	114.95	ng	99
80)	Phenacetin	11.13	108	379848	113.22	ng	99
81)	Hexachlorobenzene	11.39	284	259993	112.90	ng	99
82)	Atrazine	11.58	200	242858	111.89	ng	99
83)	4-Aminobiphenyl	11.66	169	656146	118.22	ng	99
84)	Pentachlorophenol	11.80	266	131032	118.41	ng	99
85)	Pentachloronitrobenzene	11.93	237	92308	114.13	ng	98
86)	Pronamide	11.90	173	347273	114.72	ng	100
87)	Phenanthrene	12.05	178	1115967	110.35	ng	100
88)	Anthracene	12.14	178	1112708	109.69	ng	99
89)	Carbazole	12.52	167	1111032	111.04	ng	99
90)	Di-n-butyl phthalate	13.40	149	1282018	113.03	ng	100
91)	Fluoranthene	14.55	202	1347346	111.71	ng	100
93)	Pyrene	15.02	202	1330774	109.09	ng	100
95)	Benzidine	14.87	184	250641m	123.73	ng	
96)	Dimethylaminoazobenzene	15.76	225	324432	116.98	ng	99
97)	Butyl benzyl phthalate	16.57	149	604695	115.67	ng	99
98)	Benz(a)anthracene	17.59	228	1406250	113.24	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 08:57:27 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

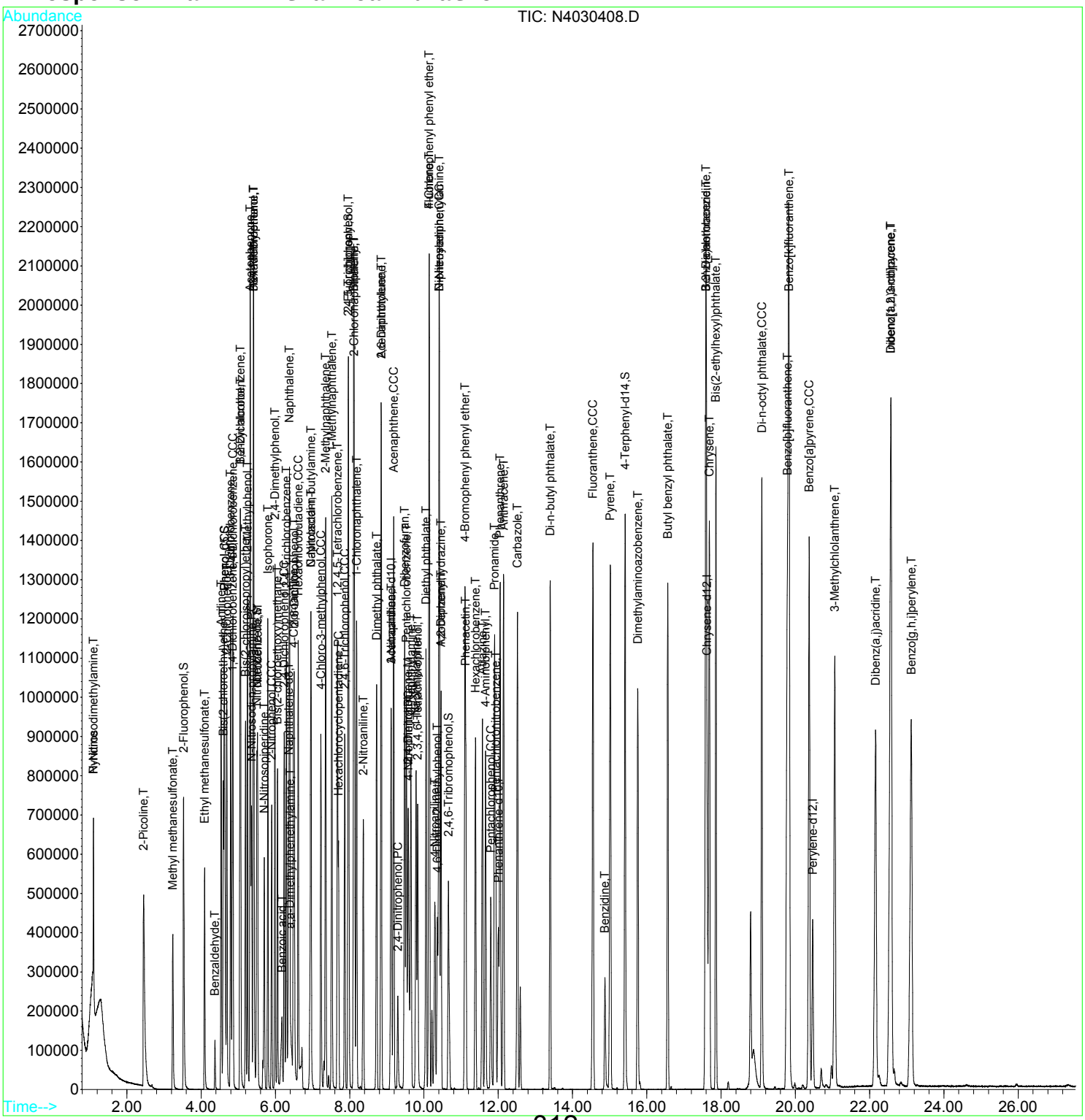
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.60	252	464881	124.66	ng		100
100)	Chrysene	17.68	228	1259055	112.24	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.86	149	801354	115.96	ng		99
102)	Di-n-octyl phthalate	19.10	149	1461405	116.56	µg		100
103)	3-Methylchlolanthrene	21.06	268	717063	118.24	µg		100
104)	Indeno[1,2,3-cd]pyrene	22.56	276	1612615	116.64	ng	#	100
106)	Benzo[b]fluoranthene	19.78	252	1432699	108.44	ng		98
107)	Benzo[k]fluoranthene	19.83	252	1392381m	108.14	ng		
108)	Benzo[a]pyrene	20.37	252	1372971	111.31	ng		100
109)	Dibenz(a,j)acridine	22.16	279	1211915	113.79	ng	#	95
110)	Dibenz(a,h)anthracene	22.58	278	1306974	110.53	ng		100
111)	Benzo[g,h,i]perylene	23.12	276	1415035	113.66	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: B030404.RES

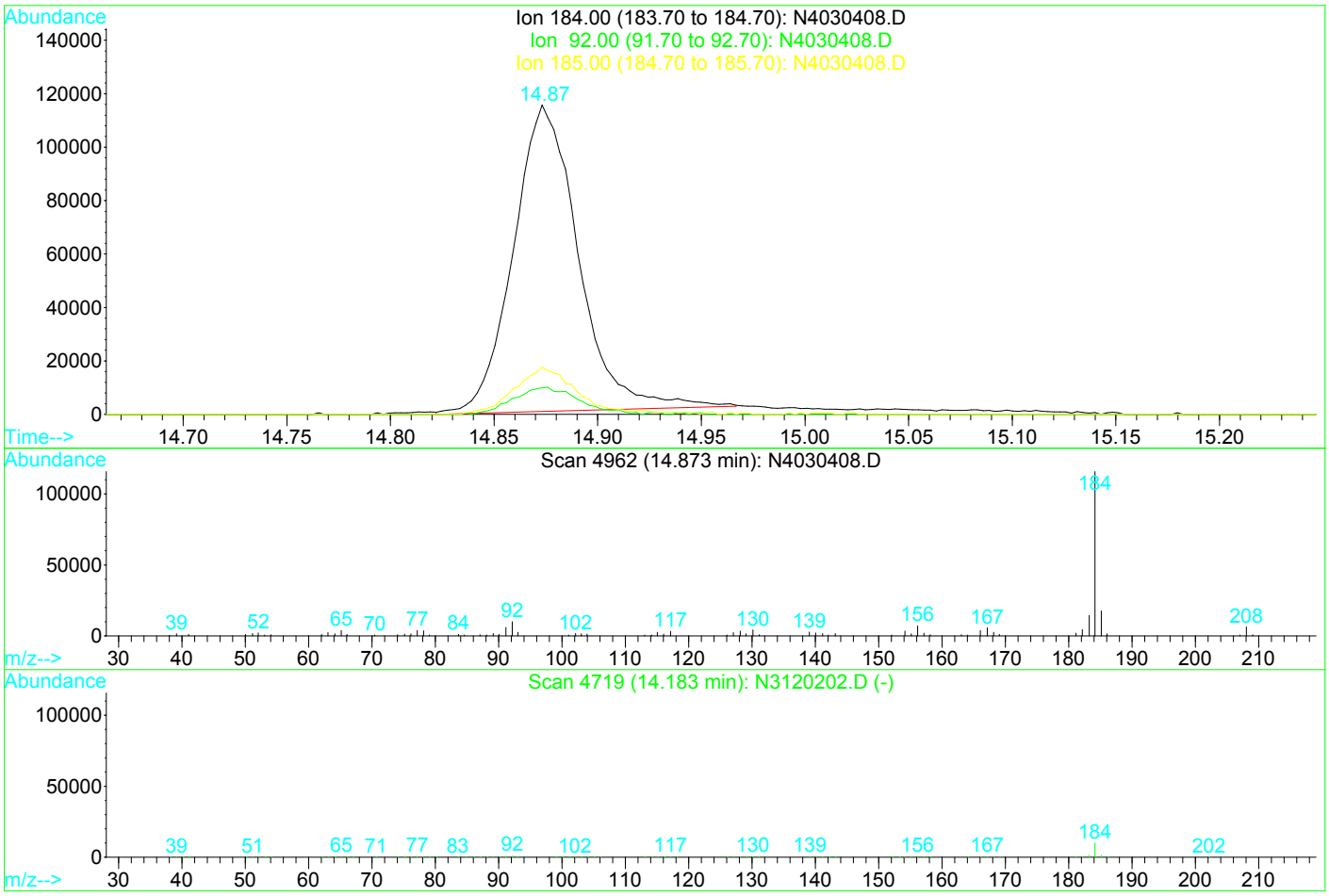
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030408.D

(95) Benzidine (T)

14.87min 123.73ng m

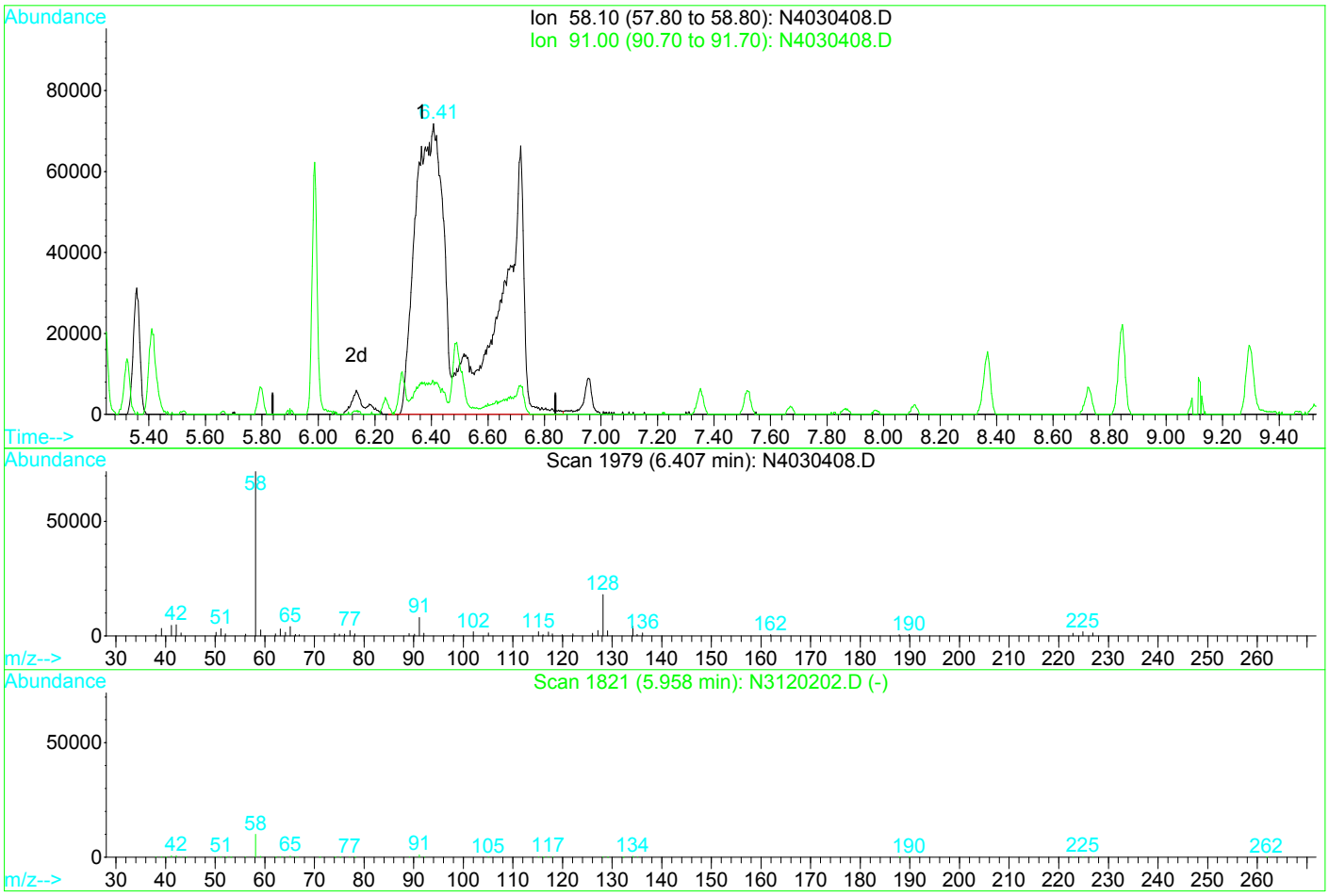
response 250641

Ion	Exp%	Act%
184.00	100	100
92.00	8.80	8.92
185.00	13.80	14.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030408.D

(39) a,a-Dimethylphenethylamine (T)

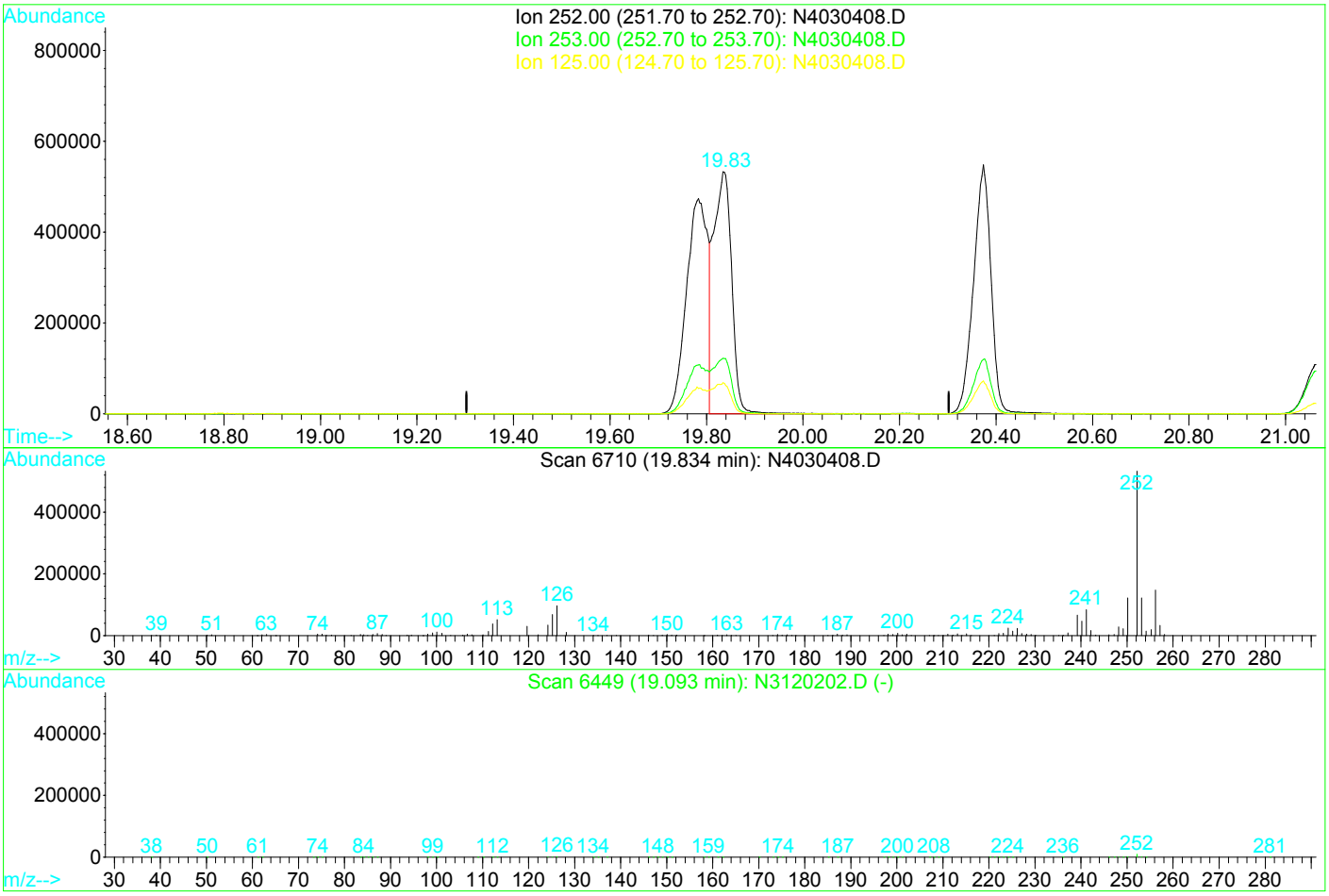
6.41min 112.22ng m

response 862061

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40304\N4030408.D Vial: 8
Acq On : 4 Mar 2004 1:25 pm Operator: BP
Sample : BNA 120 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:16 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030408.D

(107) Benzo[k]fluoranthene (T)

19.83min 108.14ng m

response 1392381

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.61
125.00	10.90	11.30
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:01:06 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	88496	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	316065	40.00	ng	0.00
45) Acenaphthene-d10	9.11	164	186682	40.00	ng	-0.01
73) Phenanthrene-d10	11.99	188	315910	40.00	ng	0.00
92) Chrysene-d12	17.62	240	324538	40.00	ng	-0.01
105) Perylene-d12	20.45	264	278570	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.52	112	472118	155.53	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 155.53%#			
9) Phenol-d5	4.61	99	533087	142.98	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 142.98%#			
24) Nitrobenzene-d5	5.49	82	495230	151.62	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 303.24%#			
50) 2-Fluorobiphenyl	7.95	172	1011229	144.28	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 288.56%#			
72) 2,4,6-Tribromophenol	10.65	330	151982	162.31	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 162.31%#			
94) 4-Terphenyl-d14	15.40	244	1285676	149.41	ng	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 298.82%#			
Target Compounds						Qvalue
2) Pyridine	1.11	79	196242	161.54	ng	97
3) 2-Picoline	2.46	93	524717	159.68	ng	98
4) Methyl methanesulfonate	3.24	80	291677	157.89	ng	99
6) Ethyl methanesulfonate	4.09	79	372018	154.44	ng	99
7) Benzaldehyde	4.36	105	48721	179.94	ng	99
8) Aniline	4.53	66	279488	156.01	ng	100
10) Phenol	4.62	94	551434	144.06	ng	100
11) Bis(2-chloroethyl)ether	4.59	63	364544	160.42	ng	89
12) 2-Chlorophenol	4.69	128	458392	148.05	ng	99
13) 1,3-Dichlorobenzene	4.79	146	527546	148.51	ng	100
14) 1,4-Dichlorobenzene	4.85	146	526415	149.52	ng	99
15) 1,2-Dichlorobenzene	5.06	146	487359	146.42	ng	98
16) Benzyl alcohol	5.04	108	313683	152.54	ng	98
17) Bis(2-chloroisopropyl)ethe	5.19	45	657210	148.06	ng	100
18) 2-Methylphenol	5.24	107	361262	147.03	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:01:06 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.40	107	829587	285.87	ng		99
20)	N-Nitrosodi-n-propylamine	5.36	70	341425	150.47	ng		100
21)	N-Nitrosodimethylamine	1.11	42	70739	154.89	ng		98
22)	Hexachloroethane	5.40	117	179781	147.58	ng		99
25)	Acetophenone	5.32	105	1167806	281.72	ng		100
26)	Nitrobenzene	5.52	77	471839	146.68	ng		100
27)	N-Nitrosopiperidine	5.70	114	244486	154.32	ng		98
28)	Isophorone	5.79	82	888719	146.14	ng		100
29)	2-Nitrophenol	5.89	139	264766	156.19	ng		100
30)	2,4-Dimethylphenol	5.98	122	409559	147.10	ng		99
31)	Bis(2-chloroethoxy)methane	6.05	93	507131	147.05	ng		100
32)	2,4-Dichlorophenol	6.23	162	396303	152.43	ng		99
33)	1,2,4-Trichlorobenzene	6.29	180	419455	146.71	ng		100
34)	Naphthalene	6.37	128	1277723	143.82	ng		99
35)	Benzoic acid	6.19	122	169816	163.63	ng		95
36)	2,6-Dichlorophenol	6.50	162	369080	149.73	ng		99
37)	4-Chloroaniline	6.48	127	500479	146.77	ng		99
38)	Hexachlorobutadiene	6.61	225	252287	149.73	ng		99
39)	a,a-Dimethylphenethylamine	6.77	58	1104851m	155.66	ng		
40)	Caprolactam	6.95	55	246958	160.86	ng		100
41)	4-Chloro-3-methylphenol	7.22	107	396354	151.23	ng		99
42)	N-Nitrosodi-n-butylamine	6.95	84	420483	174.49	ng		99
43)	2-Methylnaphthalene	7.34	142	881017	143.40	ng		100
44)	1-Methylnaphthalene	7.51	142	877152	143.25	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.66	216	450410	148.72	ng		99
47)	Hexachlorocyclopentadiene	7.69	237	198479	177.47	ng		99
48)	2,4,6-Trichlorophenol	7.86	196	291076	156.82	ng		100
49)	2,4,5-Trichlorophenol	7.97	196	270942	148.17	ng		99
51)	Biphenyl	8.10	154	1141082	143.29	ng		100
52)	2-Chloronaphthalene	8.12	162	789209	142.79	ng		100
53)	1-Chloronaphthalene	8.18	162	756201	143.74	ng		99
54)	2-Nitroaniline	8.36	65	272474	155.65	ng		98
55)	3-Nitroaniline	9.10	138	256069	158.32	ng		99
56)	Pentachlorobenzene	9.52	250	372628	147.15	ng		100
57)	4-Nitroaniline	10.30	138	254152	155.83	ng		98
58)	2-Naphthylamine	9.64	143	721705	154.77	ng	#	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:01:06 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.78	143	725897	140.81	ng	99
60)	Dimethyl phthalate	8.72	163	980982	149.73	ng	100
61)	Acenaphthylene	8.84	152	1163411	144.53	ng	100
62)	2,6-Dinitrotoluene	8.84	165	220099	153.59	ng	99
63)	Acenaphthene	9.17	154	789361	146.58	ng	100
64)	2,4-Dinitrophenol	9.29	184	101294m	153.15	ng	
65)	Dibenzofuran	9.47	168	1180282	145.95	ng	100
66)	4-Nitrophenol	9.58	65	207249	166.53	ng	96
67)	2,4-Dinitrotoluene	9.57	165	293727	158.58	ng	99
68)	2,3,4,6-Tetrachlorophenol	9.82	232	243024	160.32	ng	99
69)	Diethyl phthalate	10.05	149	934645	146.87	ng	100
70)	Fluorene	10.13	166	950460	142.33	ng	100
71)	4-Chlorophenyl phenyl ethe	10.14	204	462344	143.29	ng	100
74)	4,6-Dinitro-2-methylphenol	10.36	198	198122	185.38	ng	98
75)	Azobenzene	10.45	77	889150	144.29	ng	100
76)	1,2-Diphenylhydrazine	10.45	182	282110	148.32	ng	100
77)	Diphenylamine	10.41	170	191102	144.69	ng	98
78)	N-Nitrosodiphenylamine	10.40	168	894307	143.56	ng	99
79)	4-Bromophenyl phenyl ether	11.10	248	310848	151.67	ng	99
80)	Phenacetin	11.13	108	472296	151.85	ng	99
81)	Hexachlorobenzene	11.38	284	317809	148.86	ng	100
82)	Atrazine	11.57	200	293928	146.07	ng	100
83)	4-Aminobiphenyl	11.65	169	788730	153.28	ng	99
84)	Pentachlorophenol	11.79	266	172112	163.08	ng	99
85)	Pentachloronitrobenzene	11.92	237	112206	149.64	ng	98
86)	Pronamide	11.89	173	424403	151.22	ng	100
87)	Phenanthrene	12.04	178	1365851	145.68	ng	100
88)	Anthracene	12.13	178	1352359	143.79	ng	100
89)	Carbazole	12.51	167	1368093	147.48	ng	100
90)	Di-n-butyl phthalate	13.39	149	1564410	148.78	ng	100
91)	Fluoranthene	14.54	202	1649651	147.52	ng	100
93)	Pyrene	15.01	202	1633498	146.75	ng	100
95)	Benzidine	14.86	184	306205	160.58	ng	98
96)	Dimethylaminoazobenzene	15.75	225	402915	159.21	ng	99
97)	Butyl benzyl phthalate	16.55	149	750129	157.25	ng	99
98)	Benz(a)anthracene	17.58	228	1700678	150.08	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:01:06 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

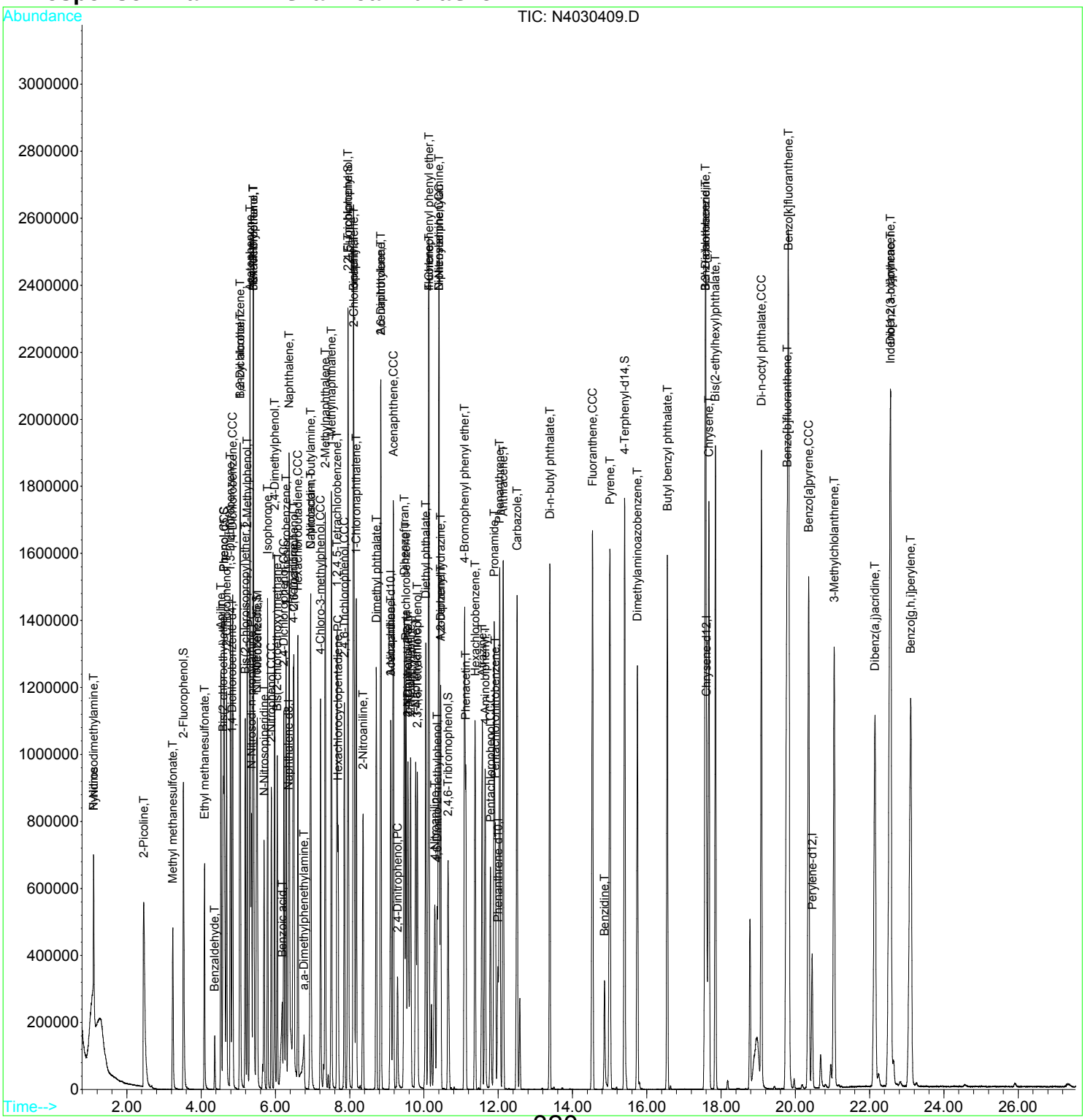
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.59	252	562234	165.22	ng		100
100)	Chrysene	17.67	228	1528969	149.37	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.85	149	977292	154.98	ng		100
102)	Di-n-octyl phthalate	19.09	149	1730361	151.24	µg		100
103)	3-Methylchlolanthrene	21.05	268	851055	153.79	µg		99
104)	Indeno[1,2,3-cd]pyrene	22.55	276	2076703	164.62	ng	#	79
106)	Benzo[b]fluoranthene	19.77	252	1874566	161.73	ng		99
107)	Benzo[k]fluoranthene	19.83	252	1461949m	129.37	ng		
108)	Benzo[a]pyrene	20.36	252	1618461	149.57	ng		100
109)	Dibenz(a,j)acridine	22.14	279	1544802	165.34	ng		100
110)	Dibenz(a,h)anthracene	22.57	278	1662250	160.24	ng		100
111)	Benzo[g,h,i]perylene	23.10	276	1860588	170.35	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: B030404.RES

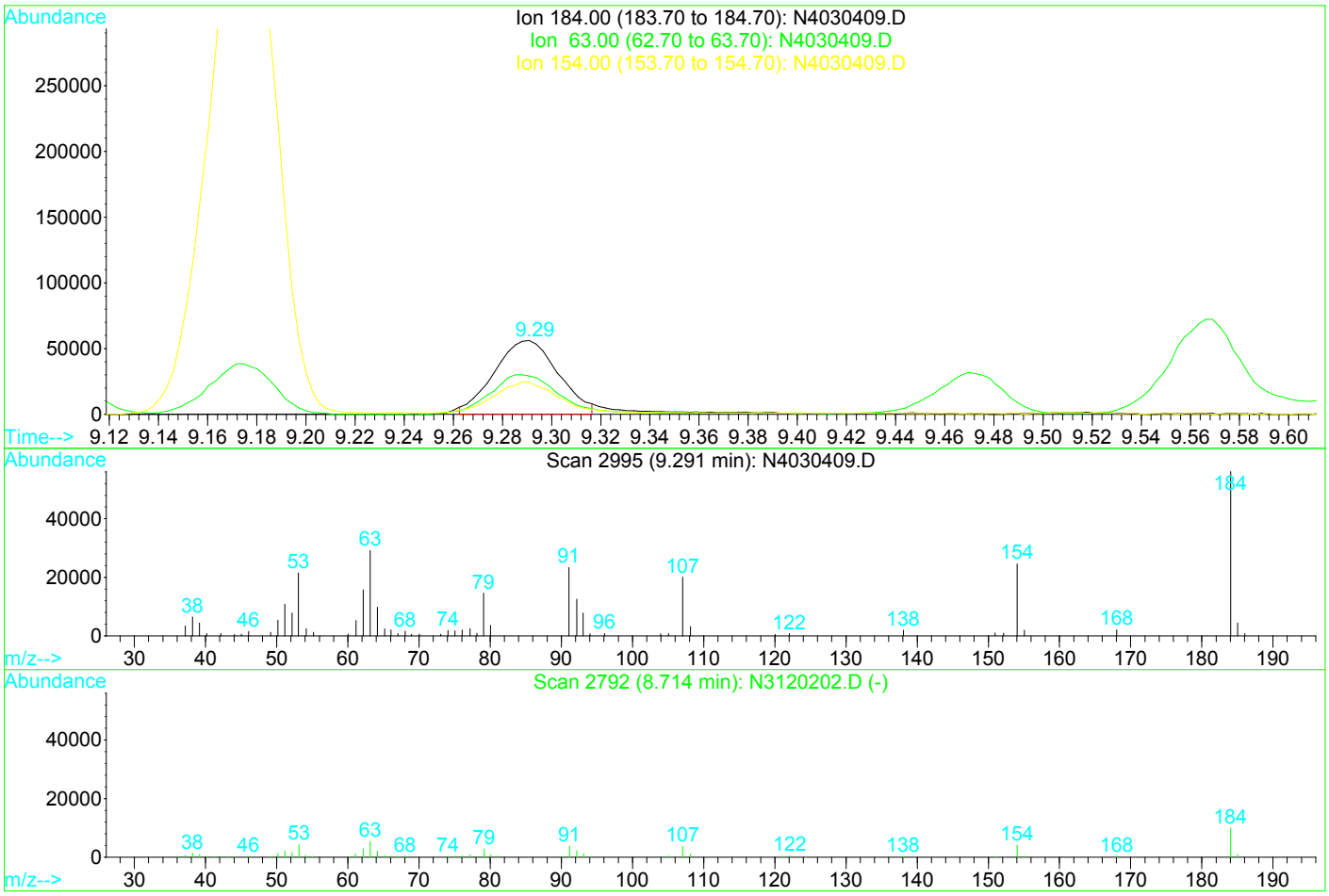
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030409.D

(64) 2,4-Dinitrophenol (PC)

9.29min 153.15ng m

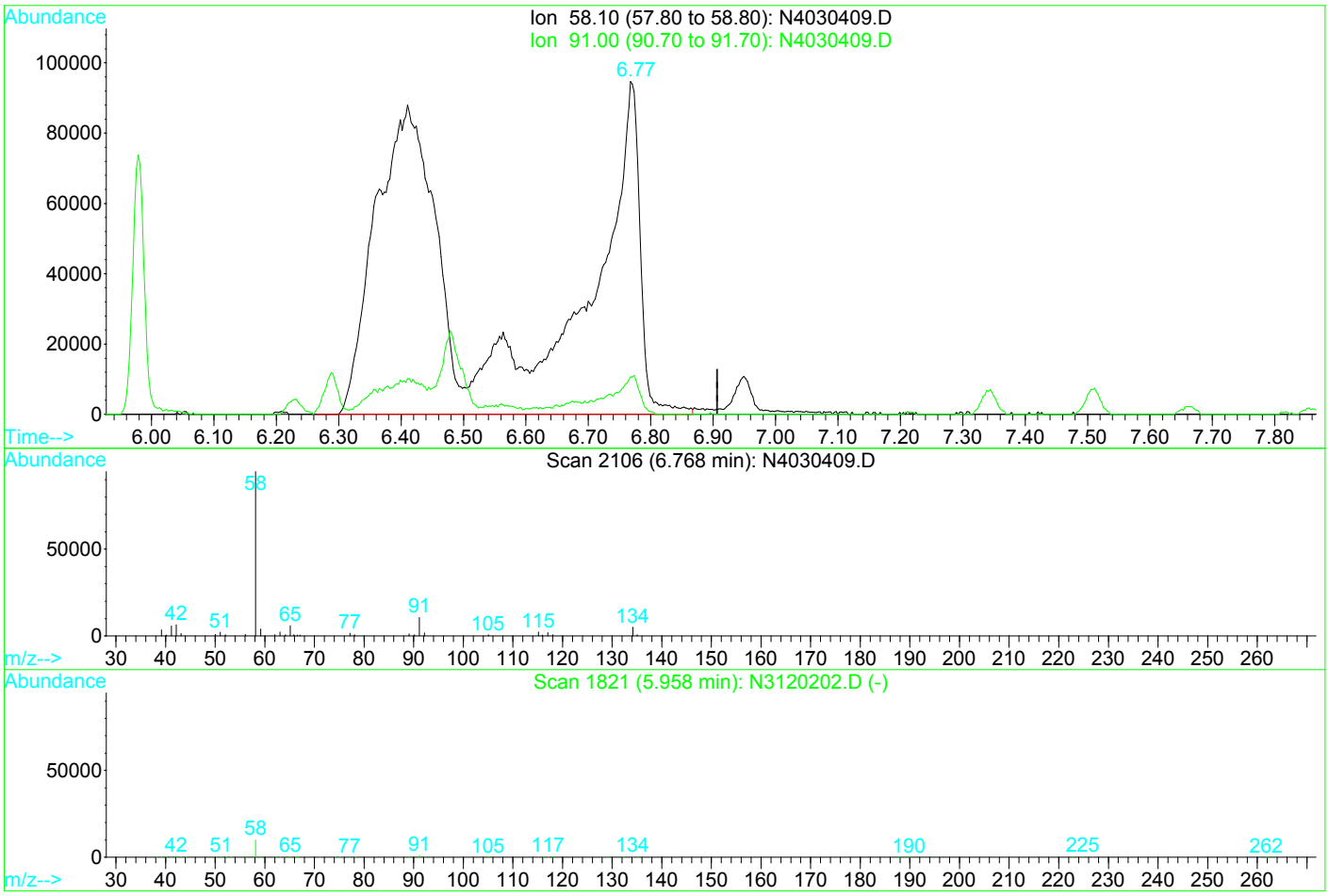
response 101294

Ion	Exp%	Act%
184.00	100	100
63.00	55.20	59.25
154.00	42.10	43.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030409.D

(39) a,a-Dimethylphenethylamine (T)

6.77min 155.66ng m

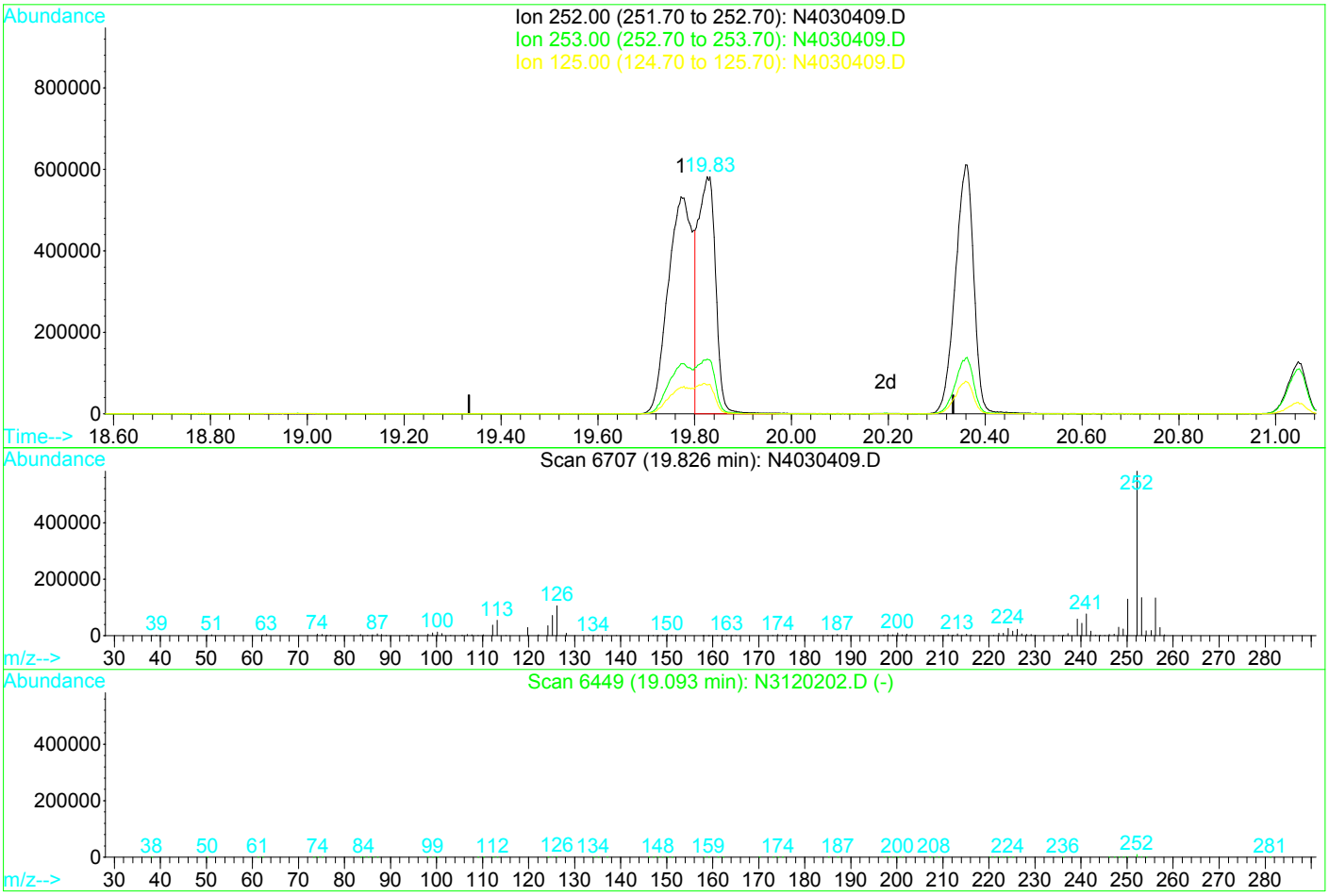
response 1104851

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	0.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030409.D Vial: 9
Acq On : 4 Mar 2004 2:02 pm Operator: BP
Sample : BNA 160 2238 Inst : GC/MS #6
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:14 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030409.D

(107) Benzo[k]fluoranthene (T)

19.83min 129.37ng m

response 1461949

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	28.40
125.00	11.30	13.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:03:40 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	98827	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	345257	40.00	ng	0.00
45) Acenaphthene-d10	9.11	164	208599	40.00	ng	0.00
73) Phenanthrene-d10	11.98	188	352849	40.00	ng	-0.02
92) Chrysene-d12	17.60	240	357972	40.00	ng	-0.02
105) Perylene-d12	20.44	264	293975	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.53	112	36271	10.70	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 10.70%#			
9) Phenol-d5	4.62	99	48312	11.60	ng	0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 11.60%			
24) Nitrobenzene-d5	5.48	82	40117	11.24	ng	-0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 22.48%#			
50) 2-Fluorobiphenyl	7.94	172	93302	11.91	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 23.82%#			
72) 2,4,6-Tribromophenol	10.64	330	10199	9.75	ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 9.75%#			
94) 4-Terphenyl-d14	15.39	244	109917	11.58	ng	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 23.16%#			
Target Compounds						Qvalue
2) Pyridine	1.11	79	14945	11.02	ng	# 87
3) 2-Picoline	2.48	93	36989	10.08	ng	99
4) Methyl methanesulfonate	3.23	80	22065	10.70	ng	99
6) Ethyl methanesulfonate	4.09	79	29106	10.82	ng	99
7) Benzaldehyde	4.37	105	2798	9.25	ng	92
8) Aniline	4.53	66	20721	10.36	ng	96
10) Phenol	4.64	94	49824	11.66	ng	95
11) Bis(2-chloroethyl)ether	4.59	63	28802	11.35	ng	90
12) 2-Chlorophenol	4.69	128	39503	11.43	ng	100
13) 1,3-Dichlorobenzene	4.79	146	45536	11.48	ng	99
14) 1,4-Dichlorobenzene	4.85	146	45628	11.60	ng	99
15) 1,2-Dichlorobenzene	5.05	146	43099	11.60	ng	98
16) Benzyl alcohol	5.03	108	24853	10.82	ng	96
17) Bis(2-chloroisopropyl)ethe	5.18	45	57223	11.54	ng	98
18) 2-Methylphenol	5.23	107	31050	11.32	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:03:40 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.39	107	77190	23.82	ng		99
20)	N-Nitrosodi-n-propylamine	5.33	70	29690	11.72	ng		99
21)	N-Nitrosodimethylamine	1.11	42	5331	10.45	ng		96
22)	Hexachloroethane	5.40	117	16232	11.93	ng		94
25)	Acetophenone	5.31	105	109167	24.11	ng		99
26)	Nitrobenzene	5.50	77	40961	11.66	ng		97
27)	N-Nitrosopiperidine	5.67	114	19220	11.11	ng		96
28)	Isophorone	5.77	82	76132	11.46	ng		99
29)	2-Nitrophenol	5.88	139	19886	10.74	ng		98
30)	2,4-Dimethylphenol	5.98	122	34649	11.39	ng		98
31)	Bis(2-chloroethoxy)methane	6.04	93	43611	11.58	ng		98
32)	2,4-Dichlorophenol	6.23	162	30584	10.77	ng		98
33)	1,2,4-Trichlorobenzene	6.28	180	36121	11.57	ng		99
34)	Naphthalene	6.36	128	115378	11.89	ng		98
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.49	162	30480	11.32	ng		97
37)	4-Chloroaniline	6.47	127	41079	11.03	ng		99
38)	Hexachlorobutadiene	6.60	225	21384	11.62	ng		99
39)	a,a-Dimethylphenethylamine	6.14	58	87922m	11.34	ng		
40)	Caprolactam	6.86	55	17161m	10.23	ng		
41)	4-Chloro-3-methylphenol	7.21	107	31007	10.83	ng		99
42)	N-Nitrosodi-n-butylamine	6.93	84	27376	10.40	ng		86
43)	2-Methylnaphthalene	7.34	142	79461	11.84	ng		99
44)	1-Methylnaphthalene	7.50	142	79283	11.85	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.66	216	39113	11.56	ng		98
47)	Hexachlorocyclopentadiene	7.68	237	10239	8.19	ng	#	91
48)	2,4,6-Trichlorophenol	7.85	196	21783	10.50	ng		98
49)	2,4,5-Trichlorophenol	7.96	196	23132	11.32	ng		98
51)	Biphenyl	8.08	154	106474	11.97	ng		99
52)	2-Chloronaphthalene	8.10	162	75602	12.24	ng		98
53)	1-Chloronaphthalene	8.16	162	71011	12.08	ng		98
54)	2-Nitroaniline	8.34	65	21163	10.82	ng		96
55)	3-Nitroaniline	9.08	138	18422	10.19	ng	#	89
56)	Pentachlorobenzene	9.50	250	33199	11.73	ng		99
57)	4-Nitroaniline	10.25	138	19357	10.62	ng		98
58)	2-Naphthylamine	9.62	143	48426	9.29	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:03:40 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.76	143	60383	10.48	ng		97
60)	Dimethyl phthalate	8.70	163	84122	11.49	ng		99
61)	Acenaphthylene	8.83	152	104783	11.65	ng		99
62)	2,6-Dinitrotoluene	8.82	165	17175	10.73	ng		93
63)	Acenaphthene	9.16	154	70717	11.75	ng		100
64)	2,4-Dinitrophenol	9.27	184	1747m	21.05	ng		
65)	Dibenzofuran	9.46	168	104885	11.61	ng		98
66)	4-Nitrophenol	9.58	65	12709	9.14	ng		94
67)	2,4-Dinitrotoluene	9.53	165	21443	10.36	ng		89
68)	2,3,4,6-Tetrachlorophenol	9.81	232	17804	10.51	ng		98
69)	Diethyl phthalate	10.03	149	82156	11.55	ng		98
70)	Fluorene	10.11	166	87866	11.77	ng		98
71)	4-Chlorophenyl phenyl ethe	10.13	204	43831	12.16	ng		99
74)	4,6-Dinitro-2-methylphenol	10.32	198	9786	8.20	ng	#	69
75)	Azobenzene	10.43	77	82017	11.92	ng		97
76)	1,2-Diphenylhydrazine	10.43	182	24805	11.68	ng		92
77)	Diphenylamine	10.37	170	17795	12.06	ng	#	90
78)	N-Nitrosodiphenylamine	10.37	168	85194	12.24	ng		96
79)	4-Bromophenyl phenyl ether	11.08	248	25700	11.23	ng		98
80)	Phenacetin	11.08	108	37888	10.91	ng		99
81)	Hexachlorobenzene	11.37	284	27385	11.48	ng		99
82)	Atrazine	11.53	200	24854	11.06	ng		98
83)	4-Aminobiphenyl	11.63	169	60220	10.48	ng		97
84)	Pentachlorophenol	11.77	266	6230	16.17	ng	#	53
85)	Pentachloronitrobenzene	11.90	237	9480	11.32	ng		95
86)	Pronamide	11.87	173	34180	10.90	ng		100
87)	Phenanthrene	12.02	178	123718	11.81	ng		99
88)	Anthracene	12.11	178	124057	11.81	ng		98
89)	Carbazole	12.49	167	118846	11.47	ng		98
90)	Di-n-butyl phthalate	13.38	149	128011	10.90	ng		99
91)	Fluoranthene	14.52	202	139613	11.18	ng		99
93)	Pyrene	14.99	202	145488	11.85	ng		99
95)	Benzidine	14.85	184	11578	15.22	ng	#	71
96)	Dimethylaminoazobenzene	15.74	225	29939	10.73	ng		99
97)	Butyl benzyl phthalate	16.54	149	56626	10.76	ng		98
98)	Benz(a)anthracene	17.57	228	142158	11.37	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:03:40 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

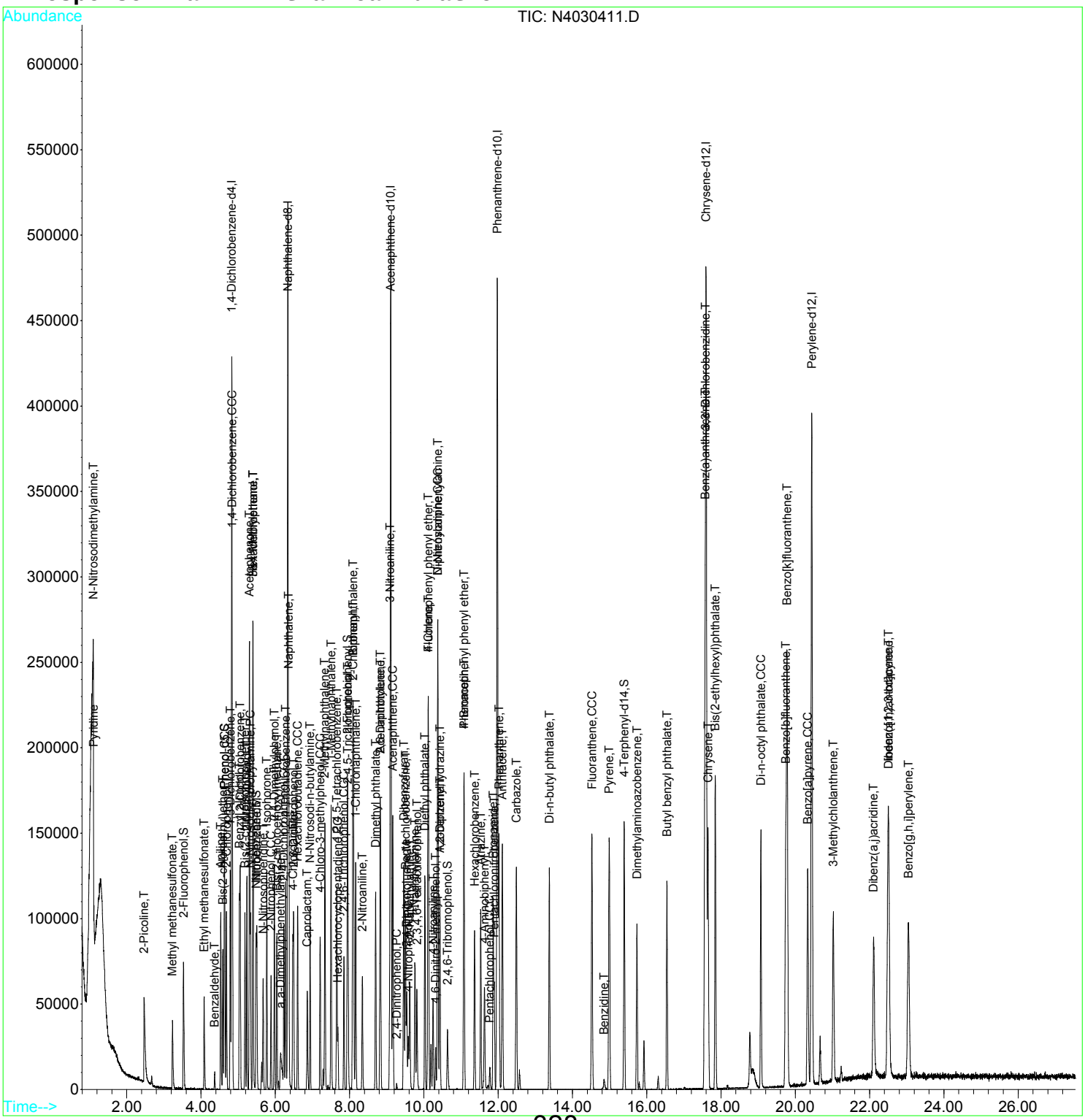
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.57	252	45553	12.14	ng		99
100)	Chrysene	17.65	228	130603	11.57	ng		98
101)	Bis(2-ethylhexyl)phthalate	17.84	149	76054	10.93	ng		98
102)	Di-n-octyl phthalate	19.07	149	137026	10.86	µg	#	99
103)	3-Methylchlolanthrene	21.02	268	65460	10.72	µg		98
104)	Indeno[1,2,3-cd]pyrene	22.50	276	151526	10.89	ng	#	94
106)	Benzo[b]fluoranthene	19.74	252	134358	10.98	ng		98
107)	Benzo[k]fluoranthene	19.78	252	149642m	12.55	ng		
108)	Benzo[a]pyrene	20.33	252	129672	11.36	ng		100
109)	Dibenz(a,j)acridine	22.11	279	109056	11.06	ng	#	92
110)	Dibenz(a,h)anthracene	22.52	278	125081	11.43	ng		99
111)	Benzo[g,h,i]perylene	23.05	276	127550	11.07	ng		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

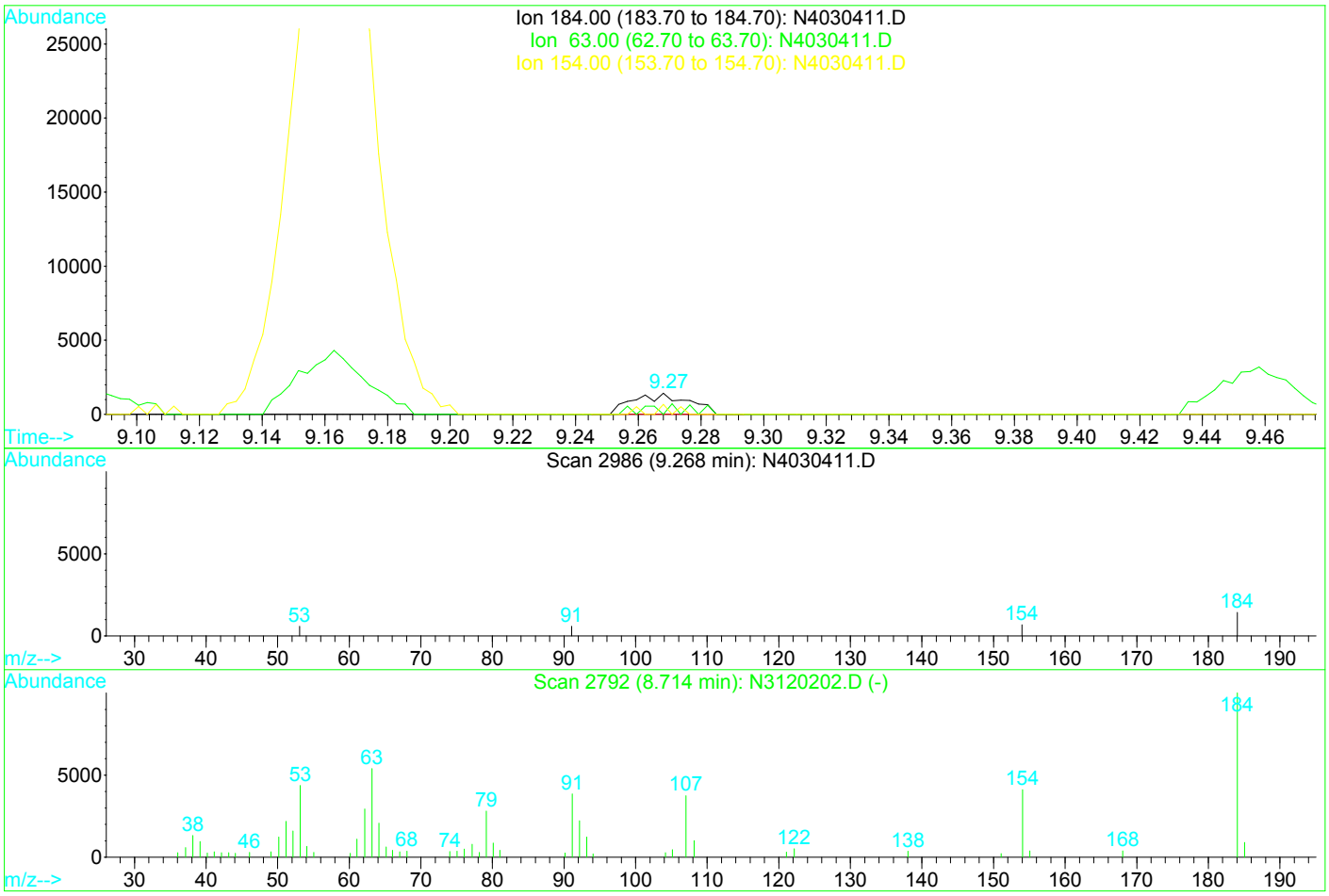
Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030411.D

(64) 2,4-Dinitrophenol (PC)

9.27min 21.05ng m

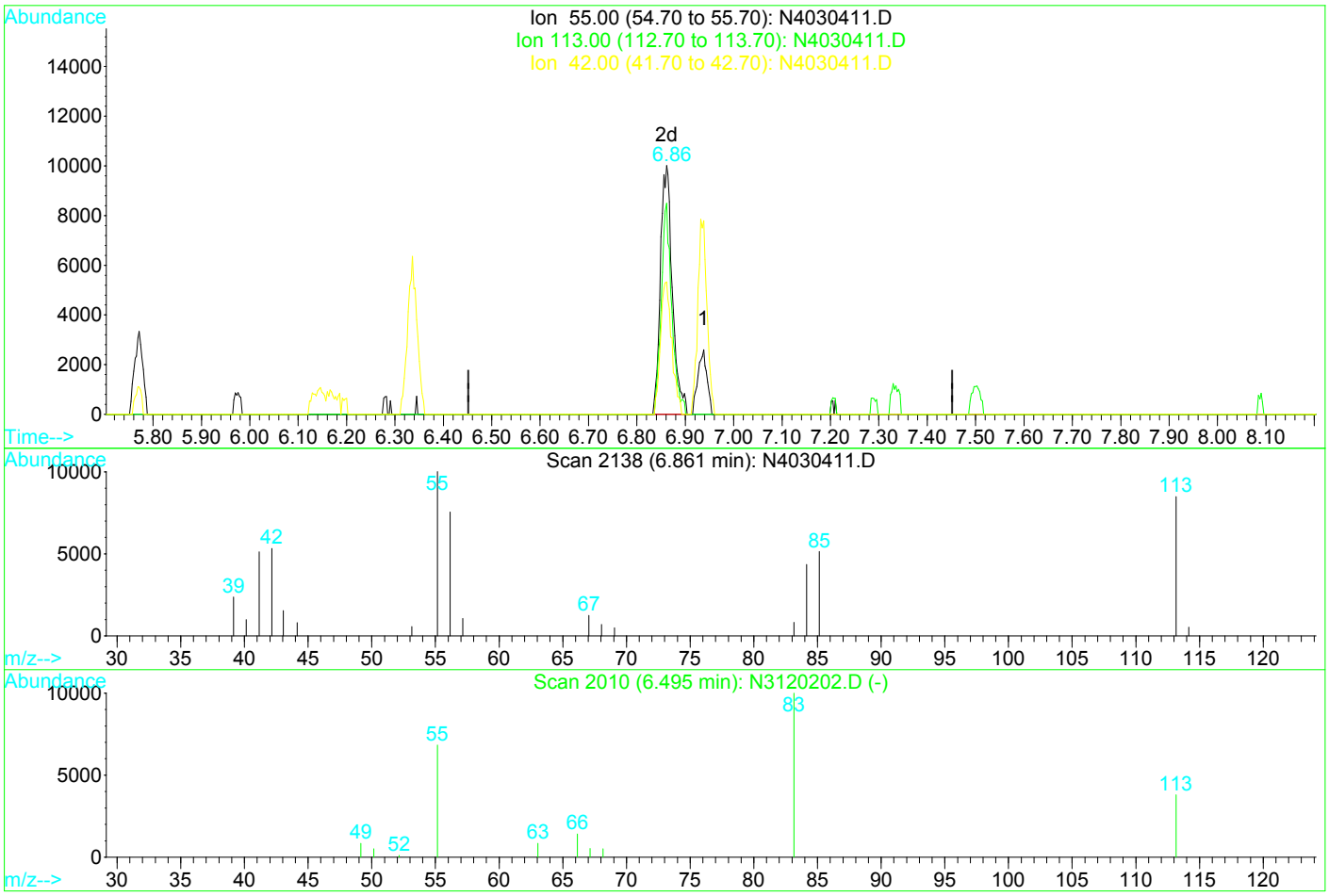
response 1747

Ion	Exp%	Act%
184.00	100	100
63.00	54.10	0.00#
154.00	39.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030411.D

(40) Caprolactam (T)

6.86min 10.23ng m

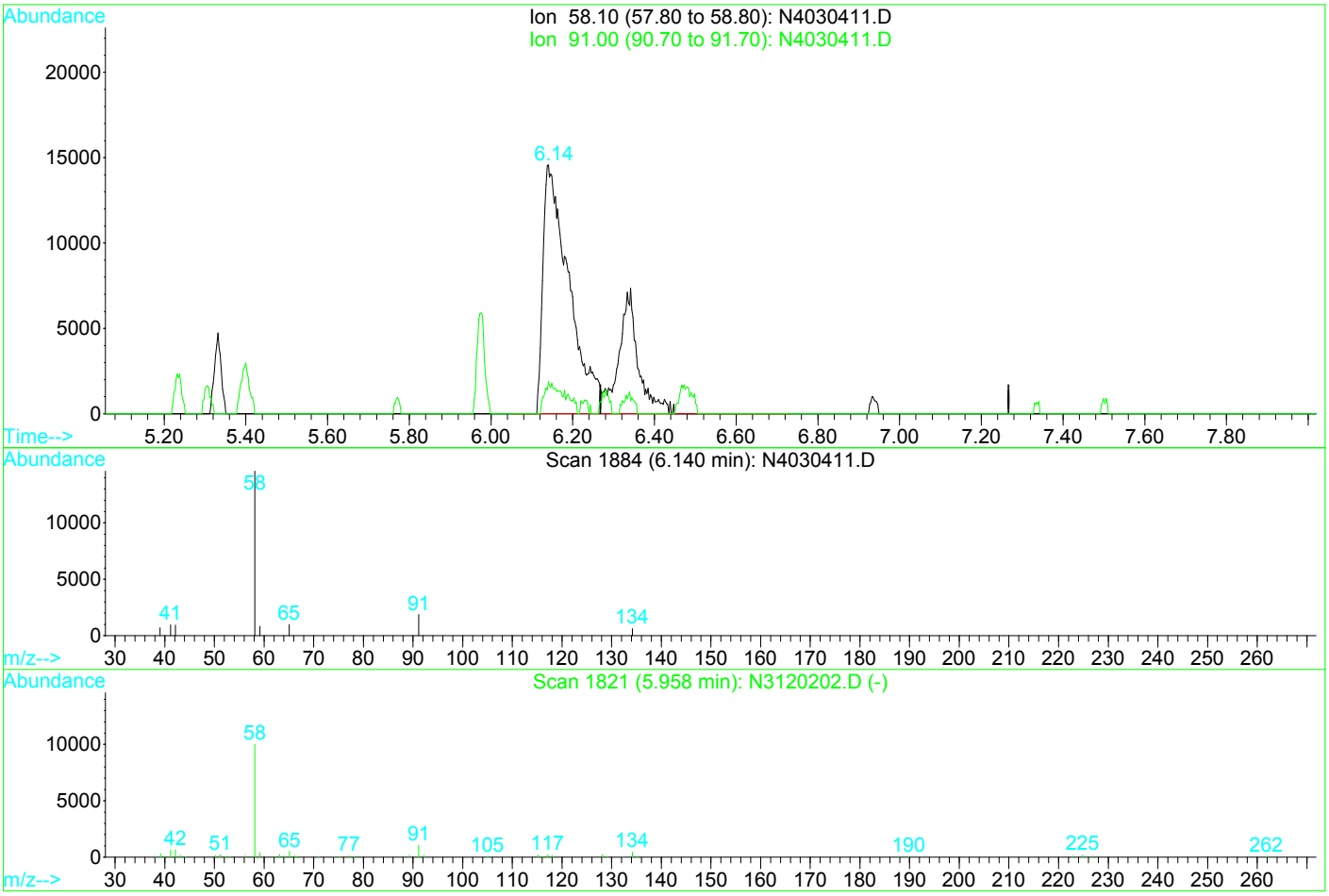
response 17161

Ion	Exp%	Act%
55.00	100	100
113.00	67.90	0.00#
42.00	92.90	60.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030411.D

(39) a,a-Dimethylphenethylamine (T)

6.14min 11.34ng m

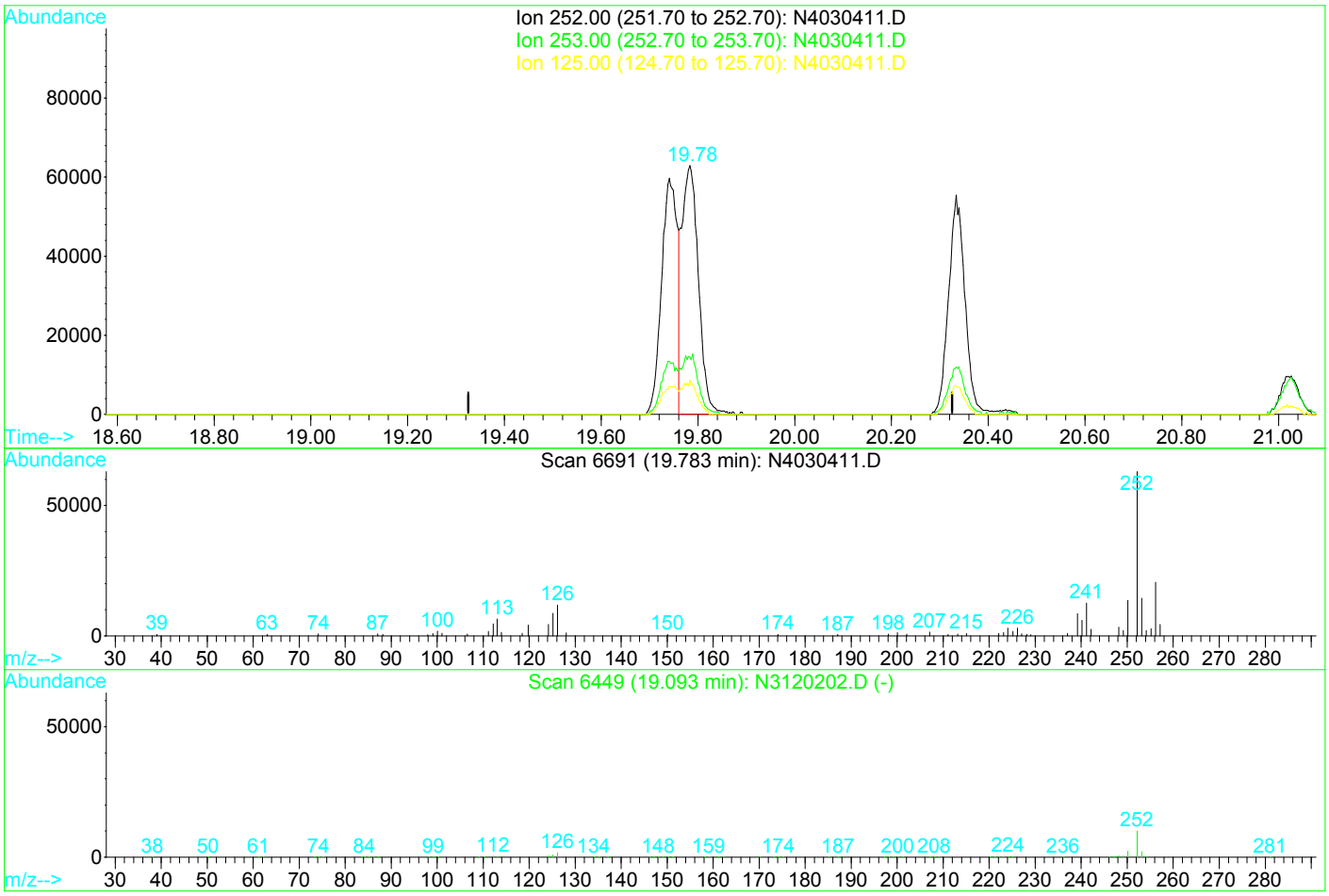
response 87922

Ion	Exp%	Act%
58.10	100	100
91.00	0.70	2.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030411.D Vial: 11
Acq On : 4 Mar 2004 3:15 pm Operator: BP
Sample : BNA 10 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:06 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030411.D

(107) Benzo[k]fluoranthene (T)

19.78min 12.55ng m

response 149642

Ion	Exp%	Act%
252.00	100	100
253.00	28.40	19.34
125.00	13.80	11.14
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:07:04 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.82	152	105126	40.00	ng	0.00
23) Naphthalene-d8	6.33	136	370489	40.00	ng	0.00
45) Acenaphthene-d10	9.10	164	226762	40.00	ng	0.00
73) Phenanthrene-d10	11.97	188	389531	40.00	ng	0.00
92) Chrysene-d12	17.59	240	415595	40.00	ng	0.00
105) Perylene-d12	20.44	264	352531	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.52	112	72833	20.20	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 20.20%#			
9) Phenol-d5	4.62	99	95256	21.51	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 21.51%			
24) Nitrobenzene-d5	5.48	82	79343	20.72	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 41.44%			
50) 2-Fluorobiphenyl	7.94	172	179894	21.13	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 42.26%#			
72) 2,4,6-Tribromophenol	10.63	330	23110	20.32	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 20.32%			
94) 4-Terphenyl-d14	15.39	244	229432	20.82	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 41.64%			
Target Compounds						Qvalue
2) Pyridine	1.10	79	29852	20.69	ng	# 95
3) 2-Picoline	2.45	93	78699	20.16	ng	98
4) Methyl methanesulfonate	3.22	80	44428	20.24	ng	98
6) Ethyl methanesulfonate	4.08	79	59213	20.69	ng	98
7) Benzaldehyde	4.36	105	6243	19.41	ng	90
8) Aniline	4.53	66	44096	20.72	ng	96
10) Phenol	4.63	94	97695	21.48	ng	99
11) Bis(2-chloroethyl)ether	4.58	63	56074	20.77	ng	98
12) 2-Chlorophenol	4.68	128	77911	21.18	ng	99
13) 1,3-Dichlorobenzene	4.78	146	88162	20.89	ng	99
14) 1,4-Dichlorobenzene	4.84	146	86253	20.62	ng	99
15) 1,2-Dichlorobenzene	5.05	146	83250	21.05	ng	100
16) Benzyl alcohol	5.03	108	50913	20.84	ng	97
17) Bis(2-chloroisopropyl)ethe	5.18	45	109889	20.84	ng	99
18) 2-Methylphenol	5.23	107	61933	21.22	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:07:04 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.39	107	149085	43.25	ng		100
20)	N-Nitrosodi-n-propylamine	5.33	70	56532	20.97	ng		98
21)	N-Nitrosodimethylamine	1.10	42	12217	22.52	ng		85
22)	Hexachloroethane	5.39	117	30668	21.19	ng		98
25)	Acetophenone	5.30	105	209398	43.09	ng		100
26)	Nitrobenzene	5.50	77	79464	21.07	ng		99
27)	N-Nitrosopiperidine	5.67	114	38214	20.58	ng		99
28)	Isophorone	5.77	82	151217	21.21	ng		99
29)	2-Nitrophenol	5.88	139	40276	20.27	ng		100
30)	2,4-Dimethylphenol	5.97	122	69432	21.27	ng		98
31)	Bis(2-chloroethoxy)methane	6.04	93	85400	21.13	ng		98
32)	2,4-Dichlorophenol	6.22	162	63244	20.75	ng		100
33)	1,2,4-Trichlorobenzene	6.28	180	71394	21.30	ng		98
34)	Naphthalene	6.36	128	218838	21.01	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.49	162	60278	20.86	ng		97
37)	4-Chloroaniline	6.46	127	84010	21.02	ng		99
38)	Hexachlorobutadiene	6.60	225	40794	20.65	ng		99
39)	a,a-Dimethylphenethylamine	6.41	58	177369m	21.33	ng		
40)	Caprolactam	6.86	55	34989	19.44	ng	#	90
41)	4-Chloro-3-methylphenol	7.20	107	63664	20.72	ng		99
42)	N-Nitrosodi-n-butylamine	6.93	84	54949	19.45	ng		98
43)	2-Methylnaphthalene	7.33	142	153882	21.37	ng		99
44)	1-Methylnaphthalene	7.50	142	152920	21.30	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.65	216	76533	20.80	ng		99
47)	Hexachlorocyclopentadiene	7.68	237	24797	18.25	ng		96
48)	2,4,6-Trichlorophenol	7.84	196	45903	20.36	ng		97
49)	2,4,5-Trichlorophenol	7.95	196	45727	20.59	ng		98
51)	Biphenyl	8.08	154	205962	21.29	ng		99
52)	2-Chloronaphthalene	8.10	162	143219	21.33	ng		100
53)	1-Chloronaphthalene	8.16	162	137660	21.54	ng		99
54)	2-Nitroaniline	8.34	65	43225	20.33	ng		99
55)	3-Nitroaniline	9.08	138	39442	20.08	ng	#	98
56)	Pentachlorobenzene	9.50	250	64754	21.05	ng		99
57)	4-Nitroaniline	10.24	138	41002	20.70	ng		98
58)	2-Naphthylamine	9.61	143	116364	20.54	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:07:04 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.75	143	135072	21.57	ng		99
60)	Dimethyl phthalate	8.70	163	165171	20.76	ng		100
61)	Acenaphthylene	8.82	152	206762	21.15	ng		99
62)	2,6-Dinitrotoluene	8.82	165	35659	20.49	ng		97
63)	Acenaphthene	9.16	154	137046	20.95	ng		99
64)	2,4-Dinitrophenol	9.26	184	7526	27.18	ng	#	100
65)	Dibenzofuran	9.45	168	207500	21.12	ng		100
66)	4-Nitrophenol	9.57	65	32241	21.33	ng		89
67)	2,4-Dinitrotoluene	9.53	165	45732	20.33	ng		94
68)	2,3,4,6-Tetrachlorophenol	9.81	232	36801	19.99	ng		98
69)	Diethyl phthalate	10.02	149	163403	21.14	ng		99
70)	Fluorene	10.11	166	174944	21.57	ng		99
71)	4-Chlorophenyl phenyl ethe	10.12	204	84146	21.47	ng		98
74)	4,6-Dinitro-2-methylphenol	10.31	198	23793	18.05	ng	#	97
75)	Azobenzene	10.43	77	161591	21.27	ng		99
76)	1,2-Diphenylhydrazine	10.43	182	48953	20.87	ng		100
77)	Diphenylamine	10.37	170	34524	21.20	ng		98
78)	N-Nitrosodiphenylamine	10.37	168	163877	21.34	ng		99
79)	4-Bromophenyl phenyl ether	11.08	248	52584	20.81	ng		97
80)	Phenacetin	11.08	108	80860	21.08	ng		99
81)	Hexachlorobenzene	11.36	284	55003	20.89	ng		98
82)	Atrazine	11.53	200	52795	21.28	ng		99
83)	4-Aminobiphenyl	11.63	169	123804	19.51	ng		96
84)	Pentachlorophenol	11.76	266	18971	24.82	ng	#	90
85)	Pentachloronitrobenzene	11.89	237	19387	20.97	ng		96
86)	Pronamide	11.86	173	71887	20.77	ng		99
87)	Phenanthrene	12.02	178	245799	21.26	ng		99
88)	Anthracene	12.11	178	247416	21.34	ng		99
89)	Carbazole	12.48	167	241745	21.13	ng		99
90)	Di-n-butyl phthalate	13.37	149	272706	21.03	ng		100
91)	Fluoranthene	14.52	202	292229	21.19	ng		100
93)	Pyrene	14.99	202	297244	20.85	ng		99
95)	Benzidine	14.85	184	26543	20.52	ng	#	100
96)	Dimethylaminoazobenzene	15.73	225	65763	20.29	ng		100
97)	Butyl benzyl phthalate	16.54	149	123165	20.16	ng		99
98)	Benz(a)anthracene	17.56	228	300290	20.69	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:07:04 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

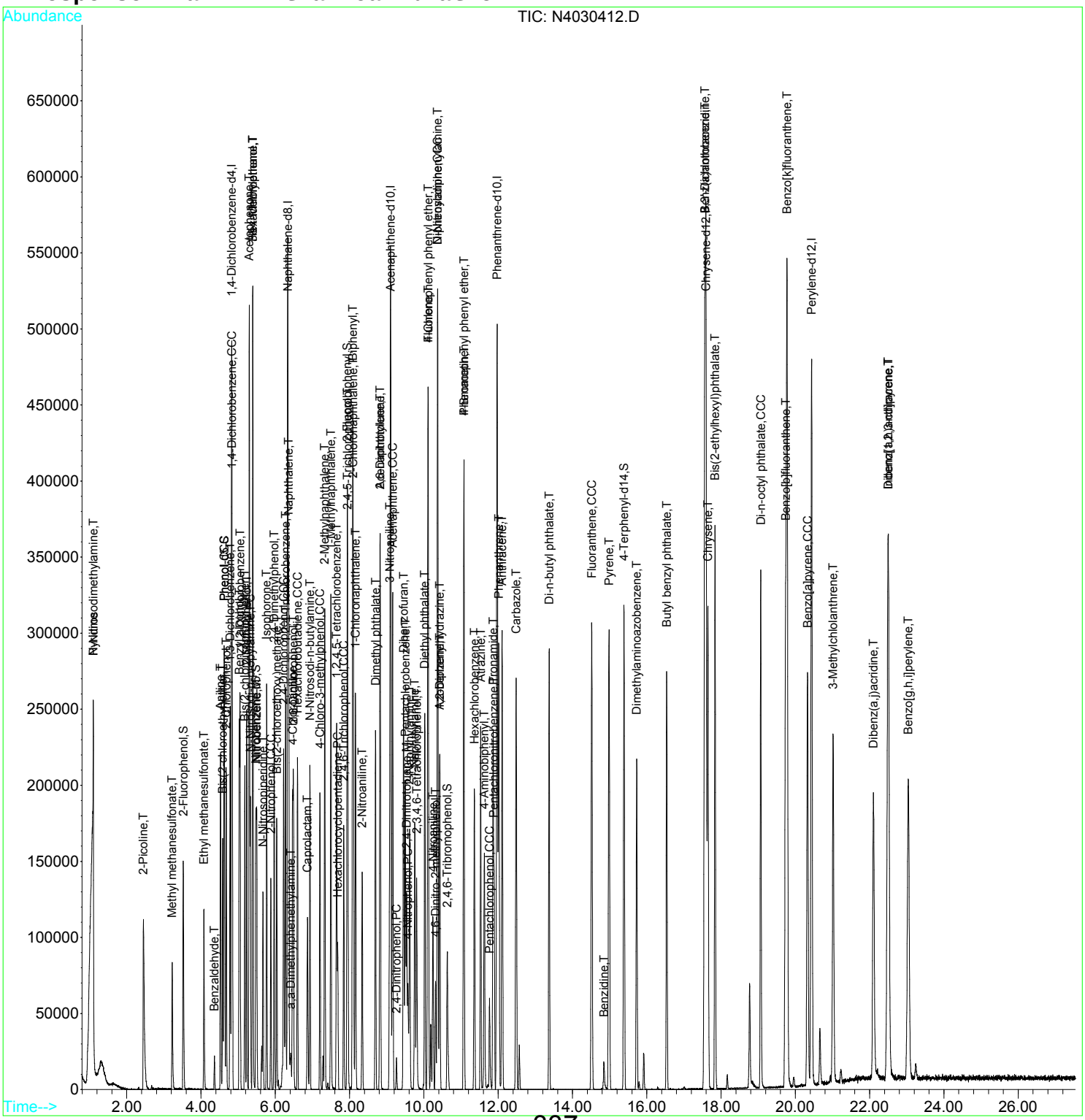
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.57	252	86909	19.94	ng		99
100)	Chrysene	17.65	228	273403	20.86	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.84	149	164901	20.42	ng		99
102)	Di-n-octyl phthalate	19.07	149	301836	20.60	µg	#	99
103)	3-Methylchlolanthrene	21.02	268	146245	20.64	µg		99
104)	Indeno[1,2,3-cd]pyrene	22.49	276	330784	20.48	ng	#	100
106)	Benzo[b]fluoranthene	19.74	252	307869	20.99	ng		98
107)	Benzo[k]fluoranthene	19.78	252	303092m	21.19	ng		
108)	Benzo[a]pyrene	20.33	252	285160	20.82	ng		99
109)	Dibenz(a,j)acridine	22.10	279	239893	20.29	ng	#	94
110)	Dibenz(a,h)anthracene	22.51	278	272338	20.75	ng		90
111)	Benzo[g,h,i]perylene	23.04	276	279772	20.24	ng		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: B030404.RES

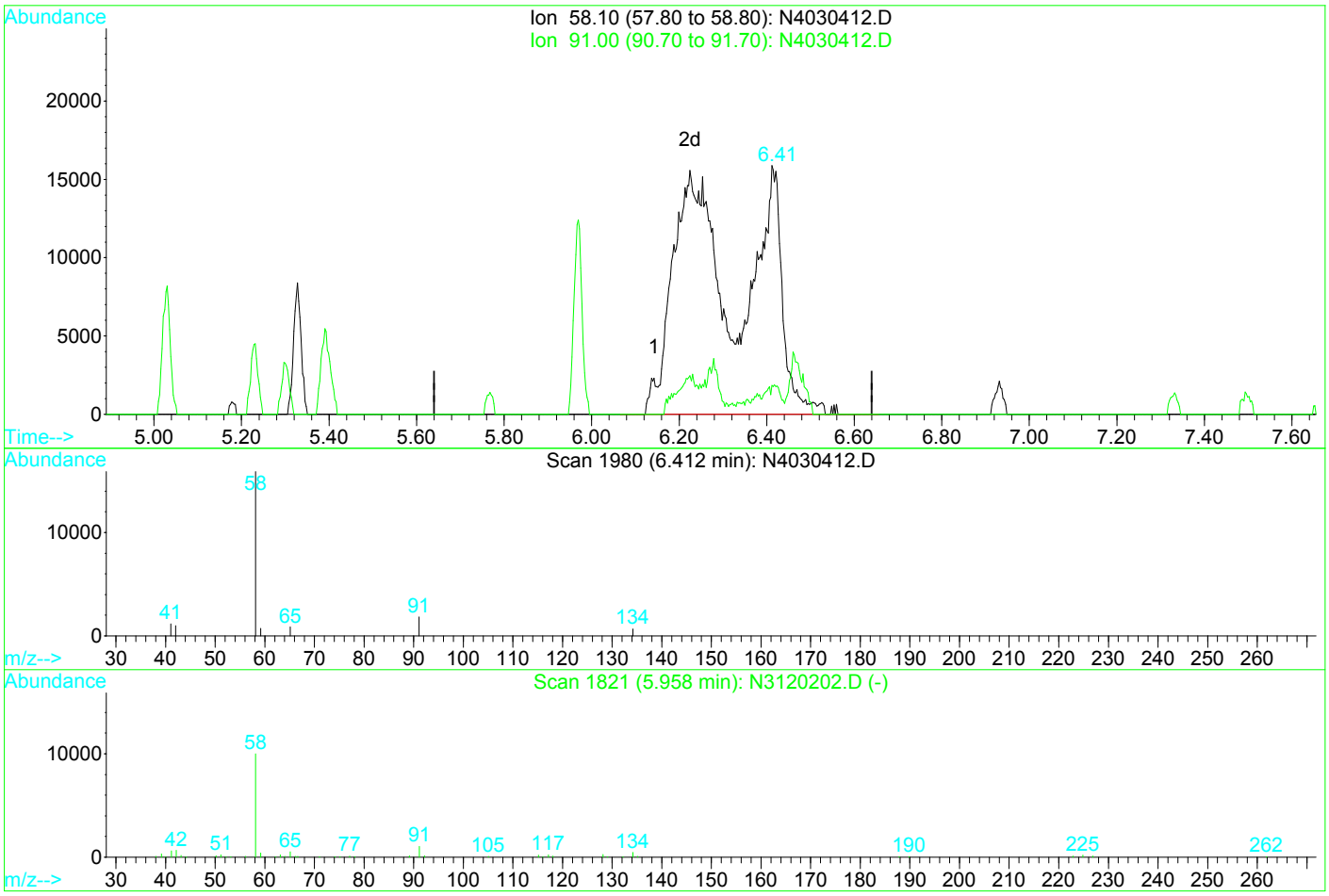
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030412.D

(39) a,a-Dimethylphenethylamine (T)

6.41min 21.33ng m

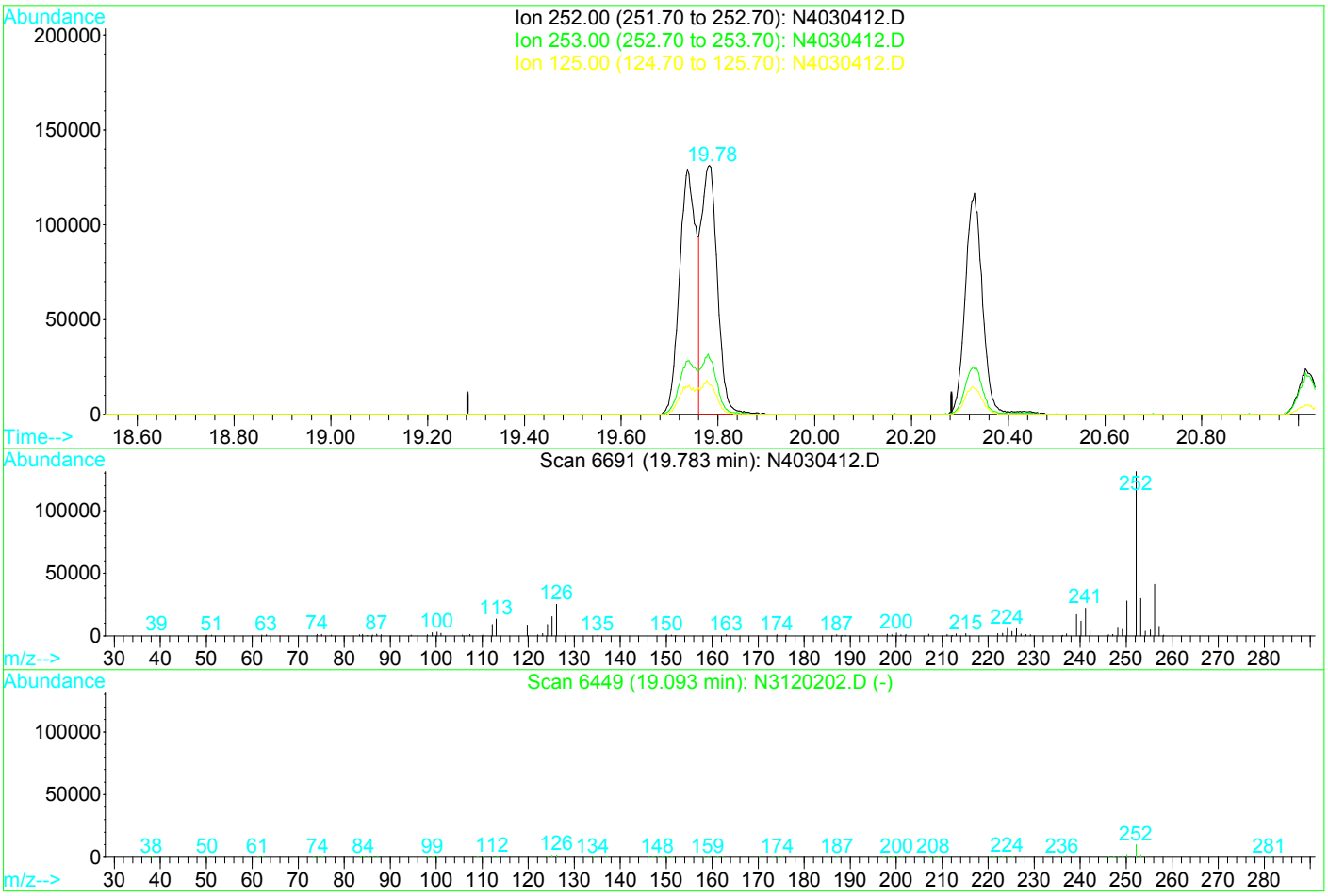
response 177369

Ion	Exp%	Act%
58.10	100	100
91.00	2.30	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030412.D Vial: 12
Acq On : 4 Mar 2004 3:52 pm Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:09 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030412.D

(107) Benzo[k]fluoranthene (T)

19.78min 21.19ng m

response 303092

Ion	Exp%	Act%
252.00	100	100
253.00	19.30	21.99
125.00	11.10	10.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:18:50 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	96632	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	349410	40.00	ng	-0.01
45) Acenaphthene-d10	9.11	164	213404	40.00	ng	-0.01
73) Phenanthrene-d10	11.99	188	372424	40.00	ng	0.00
92) Chrysene-d12	17.61	240	383582	40.00	ng	-0.01
105) Perylene-d12	20.45	264	329838	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.52	112	405292	122.28	ng	-0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 122.28%#			
9) Phenol-d5	4.61	99	474334	116.51	ng	-0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 116.51%#			
24) Nitrobenzene-d5	5.49	82	417906	115.73	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 231.46%#			
50) 2-Fluorobiphenyl	7.95	172	880766	109.93	ng	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 219.86%#			
72) 2,4,6-Tribromophenol	10.65	330	132008	123.33	ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 123.33%#			
94) 4-Terphenyl-d14	15.40	244	1188052	116.81	ng	-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 233.62%#			
Target Compounds						Qvalue
2) Pyridine	1.10	79	164682	124.15	ng	# 93
3) 2-Picoline	2.45	93	416856	116.18	ng	99
4) Methyl methanesulfonate	3.23	80	195605	96.97	ng	99
6) Ethyl methanesulfonate	4.09	79	323659	123.05	ng	100
7) Benzaldehyde	4.36	105	154062	521.10	ng	99
8) Aniline	4.53	66	251113	128.37	ng	98
10) Phenol	4.62	94	494415	118.29	ng	97
11) Bis(2-chloroethyl)ether	4.59	63	309802	124.85	ng	87
12) 2-Chlorophenol	4.68	128	399949	118.30	ng	100
13) 1,3-Dichlorobenzene	4.79	146	454184	117.09	ng	100
14) 1,4-Dichlorobenzene	4.85	146	450059	117.07	ng	100
15) 1,2-Dichlorobenzene	5.06	146	421436	115.96	ng	99
16) Benzyl alcohol	5.04	108	275639	122.75	ng	100
17) Bis(2-chloroisopropyl)ethe	5.18	45	561159	115.77	ng	98
18) 2-Methylphenol	5.24	107	327578	122.09	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:18:50 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.40	107	856009	270.14	ng		97
20)	N-Nitrosodi-n-propylamine	5.35	70	287281	115.95	ng		99
21)	N-Nitrosodimethylamine	1.10	42	60979	122.28	ng		96
22)	Hexachloroethane	5.40	117	150500	113.14	ng		99
25)	Acetophenone	5.31	105	545261	118.98	ng		99
26)	Nitrobenzene	5.51	77	416320	117.07	ng		99
27)	N-Nitrosopiperidine	5.70	114	220607	125.96	ng		98
28)	Isophorone	5.79	82	775003	115.27	ng		100
29)	2-Nitrophenol	5.89	139	229648	122.55	ng		99
30)	2,4-Dimethylphenol	5.98	122	364863	118.54	ng		98
31)	Bis(2-chloroethoxy)methane	6.05	93	486898	127.71	ng		100
32)	2,4-Dichlorophenol	6.23	162	343735	119.59	ng		99
33)	1,2,4-Trichlorobenzene	6.29	180	360201	113.97	ng		100
34)	Naphthalene	6.37	128	1138744	115.94	ng		100
35)	Benzoic acid	6.17	122	121944	126.06	ng		96
36)	2,6-Dichlorophenol	6.50	162	318761	116.98	ng		99
37)	4-Chloroaniline	6.48	127	475613	126.17	ng		100
38)	Hexachlorobutadiene	6.61	225	221615	118.98	ng		100
39)	a,a-Dimethylphenethylamine	6.75	58	900219m	114.78	ng		
40)	Caprolactam	6.94	55	238829	140.71	ng		98
41)	4-Chloro-3-methylphenol	7.21	107	360579	124.45	ng		100
42)	N-Nitrosodi-n-butylamine	6.95	84	374399	140.54	ng		99
43)	2-Methylnaphthalene	7.34	142	800902	117.92	ng		100
44)	1-Methylnaphthalene	7.51	142	796942	117.73	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.66	216	380242	109.83	ng		100
47)	Hexachlorocyclopentadiene	7.69	237	182182	142.50	ng		99
48)	2,4,6-Trichlorophenol	7.86	196	248096	116.93	ng		99
49)	2,4,5-Trichlorophenol	7.96	196	241187	115.38	ng		99
51)	Biphenyl	8.10	154	1057432	116.16	ng		100
52)	2-Chloronaphthalene	8.12	162	727836	115.20	ng		100
53)	1-Chloronaphthalene	8.17	162	594011	98.77	ng		100
54)	2-Nitroaniline	8.35	65	237307	118.59	ng		99
55)	3-Nitroaniline	9.10	138	226520	122.52	ng		99
56)	Pentachlorobenzene	9.51	250	323273	111.67	ng		100
57)	4-Nitroaniline	10.29	138	232138	124.51	ng		99
58)	2-Naphthylamine	9.64	143	654264	122.74	ng	#	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:18:50 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.78	143	663545	112.60	ng	99
60)	Dimethyl phthalate	8.71	163	859508	114.76	ng	100
61)	Acenaphthylene	8.84	152	1147491	124.70	ng	100
62)	2,6-Dinitrotoluene	8.83	165	190274	116.15	ng	97
63)	Acenaphthene	9.17	154	675886	109.80	ng	100
64)	2,4-Dinitrophenol	9.28	184	91957	131.50	ng	98
65)	Dibenzofuran	9.47	168	1039884	112.48	ng	100
66)	4-Nitrophenol	9.57	65	183686	129.11	ng	97
67)	2,4-Dinitrotoluene	9.56	165	256702	121.24	ng	98
68)	2,3,4,6-Tetrachlorophenol	9.82	232	194684	112.35	ng	100
69)	Diethyl phthalate	10.05	149	812646	111.71	ng	100
70)	Fluorene	10.12	166	833844	109.23	ng	100
71)	4-Chlorophenyl phenyl ethe	10.13	204	404537	109.67	ng	100
74)	4,6-Dinitro-2-methylphenol	10.36	198	148222	117.64	ng	95
75)	Azobenzene	10.45	77	835286	114.98	ng	100
76)	1,2-Diphenylhydrazine	10.45	182	269113	120.02	ng	98
77)	Diphenylamine	10.40	170	161112	103.47	ng	98
78)	N-Nitrosodiphenylamine	10.40	168	746717	101.68	ng	99
79)	4-Bromophenyl phenyl ether	11.09	248	299698	124.04	ng	100
80)	Phenacetin	11.12	108	451099	123.03	ng	99
81)	Hexachlorobenzene	11.37	284	298070	118.43	ng	100
82)	Atrazine	11.57	200	270445	114.00	ng	99
83)	4-Aminobiphenyl	11.65	169	854522	140.87	ng	100
84)	Pentachlorophenol	11.91	266	10498m	9.86	ng	
85)	Pentachloronitrobenzene	11.92	237	106726	120.74	ng	98
86)	Pronamide	11.89	173	387966	117.26	ng	100
87)	Phenanthrene	12.04	178	1254614	113.51	ng	100
88)	Anthracene	12.13	178	1338444	120.72	ng	100
89)	Carbazole	12.51	167	1367812	125.07	ng	100
90)	Di-n-butyl phthalate	13.39	149	1530391	123.45	ng	100
91)	Fluoranthene	14.54	202	1562620	118.54	ng	100
93)	Pyrene	15.01	202	1591184	120.95	ng	100
95)	Benzidine	14.87	184	449899	198.30	ng	99
96)	Dimethylaminoazobenzene	15.75	225	403035	134.75	ng	99
97)	Butyl benzyl phthalate	16.55	149	747656	132.61	ng	99
98)	Benz(a)anthracene	17.58	228	1658267	123.81	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:18:50 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

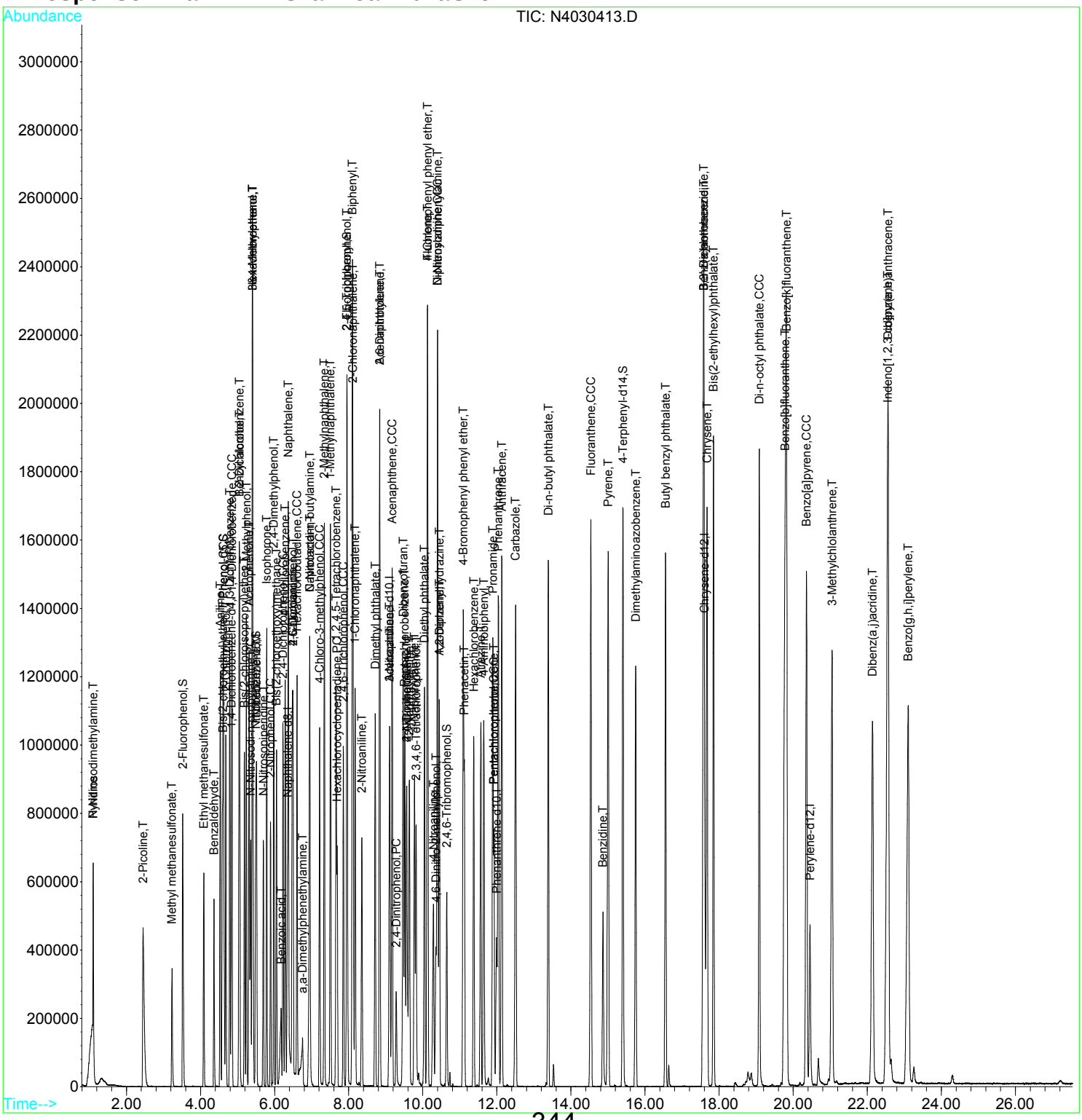
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.59	252	558595	138.89	ng		100
100)	Chrysene	17.67	228	1492644	123.38	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.85	149	983571	131.97	ng		100
102)	Di-n-octyl phthalate	19.09	149	1702145	125.87	µg		100
103)	3-Methylchlolanthrene	21.05	268	873978	133.62	µg		100
104)	Indeno[1,2,3-cd]pyrene	22.54	276	1931051	129.51	ng	#	100
106)	Benzo[b]fluoranthene	19.78	252	1749953	127.51	ng		99
107)	Benzo[k]fluoranthene	19.83	252	1368191m	103.06	ng		
108)	Benzo[a]pyrene	20.36	252	1517258	118.42	ng		99
109)	Dibenz(a,j)acridine	22.14	279	1412371	127.67	ng		100
110)	Dibenz(a,h)anthracene	22.56	278	1554580	126.57	ng		100
111)	Benzo[g,h,i]perylene	23.10	276	1714600	132.58	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

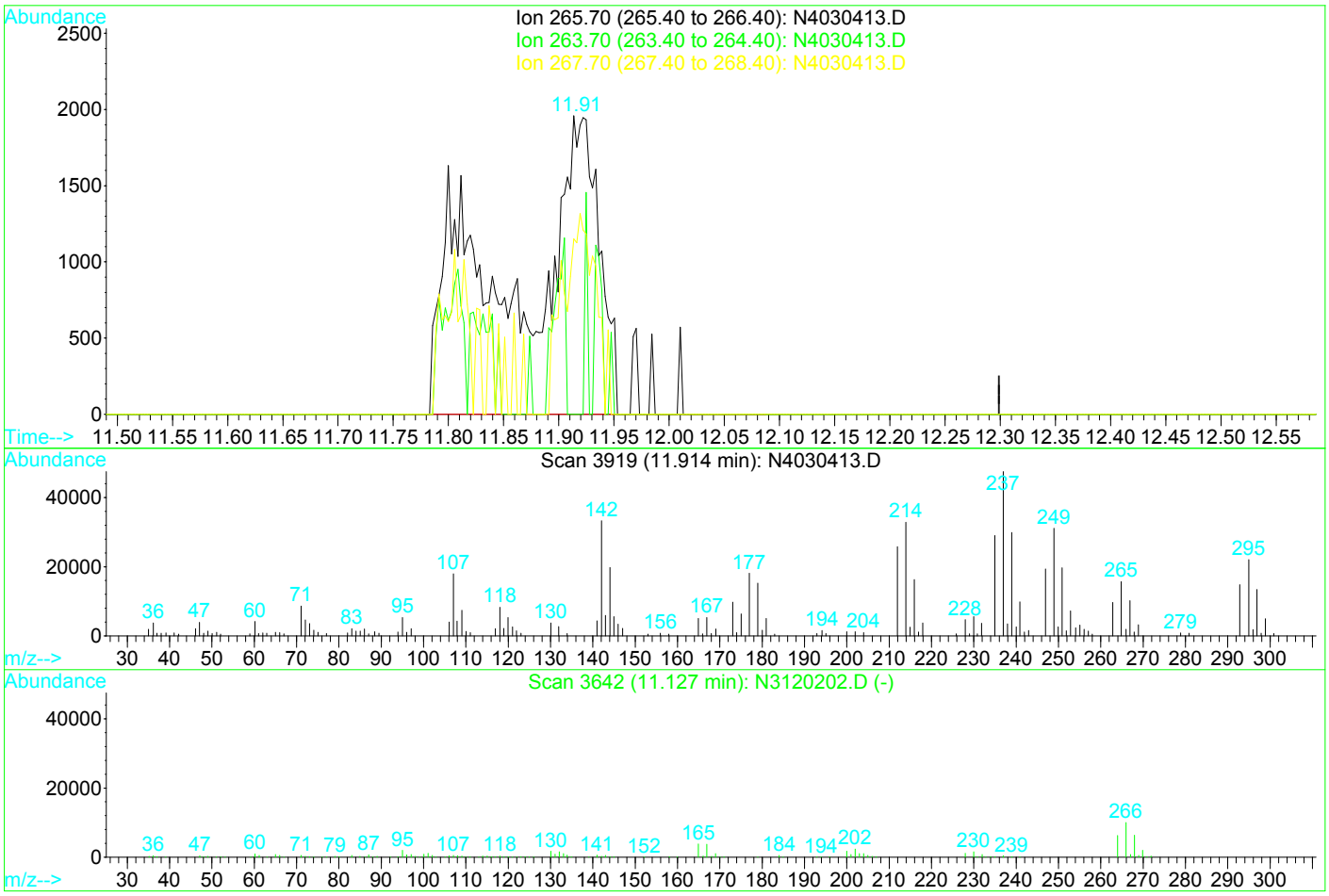
Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030413.D

(84) Pentachlorophenol (CCC)

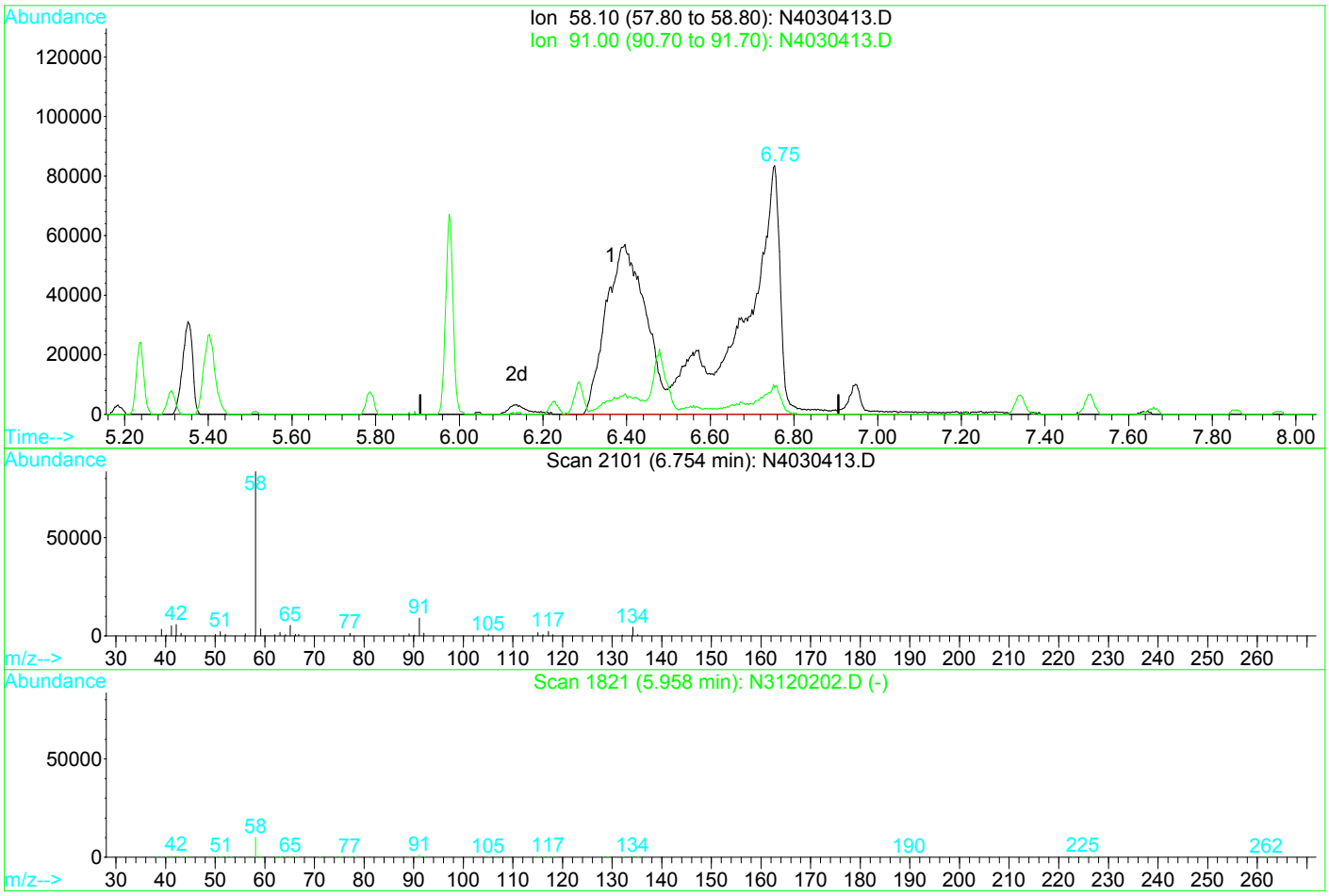
11.91min 9.86ng m

response 10498

Ion	Exp%	Act%
265.70	100	100
263.70	62.70	0.00#
267.70	64.50	0.00#
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030413.D

(39) a,a-Dimethylphenethylamine (T)

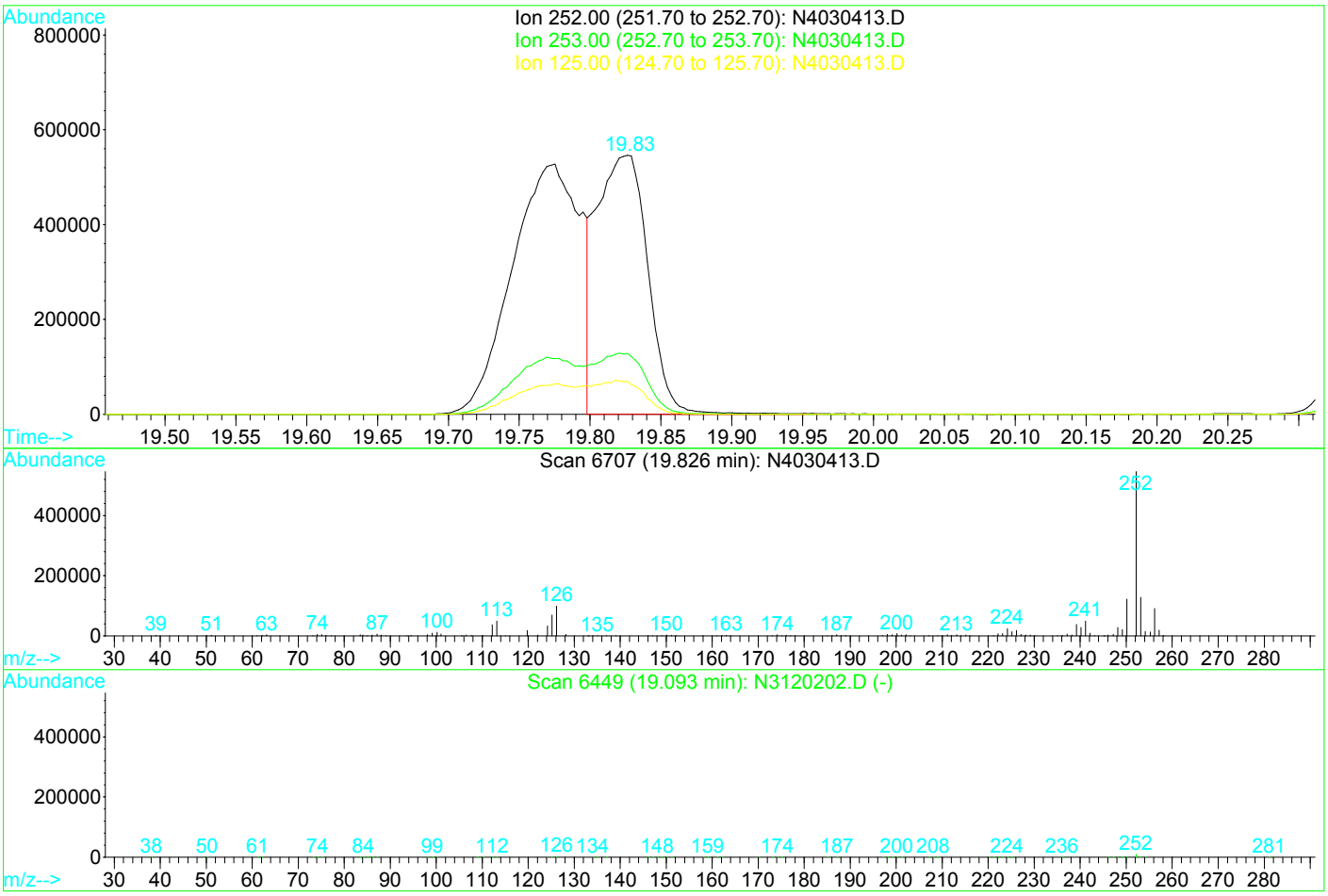
6.75min 114.78ng m

response 900219

Ion	Exp%	Act%
58.10	100	100
91.00	0.00	1.04
0.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:27 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration



TIC: N4030413.D

(107) Benzo[k]fluoranthene (T)

19.83min 103.06ng m

response 1368191

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	28.21
125.00	11.30	13.66
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		Pyridine	0.549	0.568	-3.5	111	0.00
3	T	2-Picoline	1.485	1.438	3.2	98	0.00
4	T	Methyl methanesulfonate	0.835	0.675	19.2	83	0.00
5	S	2-Fluorophenol	1.372	1.398	-1.9	106	-0.01
6	T	Ethyl methanesulfonate	1.089	1.116	-2.5	105	0.00
7	T	Benzaldehyde	0.122	0.531	-335.2#	411#	-0.01
8	T	Aniline	0.810	0.866	-6.9	109	0.00
9	S	Phenol-d5	1.685	1.636	2.9	108	-0.01
10	CCC	Phenol	1.730	1.705	1.4	108	-0.01
11	T	Bis(2-chloroethyl)ether	1.027	1.069	-4.1	115	0.00
12	T	2-Chlorophenol	1.399	1.380	1.4	106	0.00
13	T	1,3-Dichlorobenzene	1.606	1.567	2.4	105	0.00
14	CCC	1,4-Dichlorobenzene	1.591	1.552	2.5	104	0.00
15	T	1,2-Dichlorobenzene	1.504	1.454	3.3	104	0.00
16	T	Benzyl alcohol	0.930	0.951	-2.3	108	0.00
17	T	Bis(2-chloroisopropyl)ether	2.006	1.936	3.5	103	-0.01
18	T	2-Methylphenol	1.111	1.130	-1.7	110	-0.01
19	T	3&4-Methylphenol	1.312	1.476	-12.5	125	-0.01
20	PC	N-Nitrosodi-n-propylamine	1.026	0.991	3.4	103	0.00
21	T	N-Nitrosodimethylamine	0.206	0.210	-1.9	111	0.00
22	T	Hexachloroethane	0.551	0.519	5.8	103	-0.01
23	I	Naphthalene-d8	1.000	1.000	0.0	102	-0.01
24	S	Nitrobenzene-d5	0.413	0.399	3.4	104	0.00
25	T	Acetophenone	0.525	0.260	50.5#	56	-0.01
26	M	Nitrobenzene	0.407	0.397	2.5	108	0.00
27	T	N-Nitrosopiperidine	0.200	0.210	-5.0	112	0.00
28	T	Isophorone	0.770	0.739	4.0	106	0.00
29	CCC	2-Nitrophenol	0.215	0.219	-1.9	106	0.00
30	T	2,4-Dimethylphenol	0.352	0.348	1.1	108	-0.01
31	T	Bis(2-chloroethoxy)methane	0.436	0.464	-6.4	117	0.00
32	CCC	2,4-Dichlorophenol	0.329	0.328	0.3	106	-0.01
33	T	1,2,4-Trichlorobenzene	0.362	0.344	5.0	105	-0.01
34	T	Naphthalene	1.124	1.086	3.4	109	-0.01
35	T	Benzoic acid	0.078	0.116	-48.7#	122	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.312	0.304	2.6	106	-0.01
37	T	4-Chloroaniline	0.432	0.454	-5.1	114	-0.01
38	CCC	Hexachlorobutadiene	0.213	0.211	0.9	108	0.00
39	T	a,a-Dimethylphenethylamine	0.898	0.859	4.3	104	0.35
40	T	Caprolactam	0.194	0.228	-17.5	116	0.00
41	CCC	4-Chloro-3-methylphenol	0.332	0.344	-3.6	112	-0.01
42	T	N-Nitrosodi-n-butylamine	0.305	0.357	-17.0	109	-0.01
43	T	2-Methylnaphthalene	0.778	0.764	1.8	110	-0.01
44	T	1-Methylnaphthalene	0.775	0.760	1.9	110	-0.01
45	I	Acenaphthene-d10	1.000	1.000	0.0	105	-0.01
46	T	1,2,4,5-Tetrachlorobenzene	0.649	0.594	8.5	102	-0.01
47	PC	Hexachlorocyclopentadiene	0.240	0.285	-18.7	115	-0.01
48	CCC	2,4,6-Trichlorophenol	0.398	0.388	2.5	105	-0.01
49	T	2,4,5-Trichlorophenol	0.392	0.377	3.8	107	-0.01
50	S	2-Fluorobiphenyl	1.502	1.376	8.4	105	-0.01
51	T	Biphenyl	1.706	1.652	3.2	112	-0.01
52	T	2-Chloronaphthalene	1.184	1.137	4.0	111	-0.01
53	T	1-Chloronaphthalene	1.127	0.928	17.7	95	-0.01
54	T	2-Nitroaniline	0.375	0.371	1.1	106	-0.01
55	T	3-Nitroaniline	0.347	0.354	-2.0	109	-0.01
56	T	Pentachlorobenzene	0.543	0.505	7.0	106	-0.01
57	T	4-Nitroaniline	0.349	0.363	-4.0	113	0.00
58	T	2-Naphthylamine	0.999	1.022	-2.3	110	0.00
59	T	1-Naphthylamine	1.105	1.036	6.2	110	-0.01
60	T	Dimethyl phthalate	1.404	1.343	4.3	106	-0.02
61	T	Acenaphthylene	1.725	1.792	-3.9	119	-0.01
62	T	2,6-Dinitrotoluene	0.307	0.297	3.3	105	-0.01
63	CCC	Acenaphthene	1.154	1.056	8.5	104	-0.01
64	PC	2,4-Dinitrophenol	0.105	0.144	-37.1#	116	-0.01
65	T	Dibenzofuran	1.733	1.624	6.3	107	-0.01
66	PC	4-Nitrophenol	0.267	0.287	-7.5	111	-0.01
67	M	2,4-Dinitrotoluene	0.397	0.401	-1.0	108	-0.01
68	T	2,3,4,6-Tetrachlorophenol	0.325	0.304	6.5	100	-0.01
69	T	Diethyl phthalate	1.364	1.269	7.0	106	-0.01
70	T	Fluorene	1.431	1.302	9.0	106	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.691	0.632	8.5	106	-0.01
72	S	2,4,6-Tribromophenol	0.201	0.206	-2.5	108	-0.01
73	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
74	T	4,6-Dinitro-2-methylphenol	0.135	0.133	1.5	96	0.00
75	T	Azobenzene	0.780	0.748	4.1	114	-0.01
76	T	1,2-Diphenylhydrazine	0.241	0.241	0.0	116	-0.01
77	CCC	Diphenylamine	0.167	0.144	13.8	103	-0.01
78	T	N-Nitrosodiphenylamine	0.789	0.668	15.3	101	-0.01
79	T	4-Bromophenyl phenyl ether	0.260	0.268	-3.1	118	-0.01
80	T	Phenacetin	0.394	0.404	-2.5	119	0.00
81	T	Hexachlorobenzene	0.270	0.267	1.1	115	-0.01
82	T	Atrazine	0.255	0.242	5.1	111	0.00
83	T	4-Aminobiphenyl	0.652	0.765	-17.3	130	-0.01
84	CCC	Pentachlorophenol	0.114	0.009	92.1#	8#	0.11
85	T	Pentachloronitrobenzene	0.095	0.096	-1.1	116	0.00
86	T	Pronamide	0.355	0.347	2.3	112	-0.01
87	T	Phenanthrene	1.187	1.123	5.4	112	-0.01
88	T	Anthracene	1.191	1.198	-0.6	120	0.00
89	T	Carbazole	1.175	1.224	-4.2	123	0.00
90	T	Di-n-butyl phthalate	1.331	1.370	-2.9	119	-0.01
91	CCC	Fluoranthene	1.416	1.399	1.2	116	-0.02
92	I	Chrysene-d12	1.000	1.000	0.0	108	-0.01
93	T	Pyrene	1.372	1.383	-0.8	120	-0.01
94	S	4-Terphenyl-d14	1.061	1.032	2.7	113	-0.02
95	T	Benzidine	0.184	0.391	-112.5#	179#	0.00
96	T	Dimethylaminoazobenzene	0.312	0.350	-12.2	124	0.00
97	T	Butyl benzyl phthalate	0.588	0.650	-10.5	124	-0.01
98	T	Benz(a)anthracene	1.397	1.441	-3.1	118	-0.01
99	T	3,3'-Dichlorobenzidine	0.419	0.485	-15.8	120	0.00
100	T	Chrysene	1.262	1.297	-2.8	119	-0.01
101	T	Bis(2-ethylhexyl)phthalate	0.777	0.855	-10.0	123	-0.01
102	CCC	Di-n-octyl phthalate	1.410	1.479	-4.9	116	-0.01
103	T	3-Methylchlolanthrene	0.682	0.759	-11.3	122	-0.01
104	T	Indeno[1,2,3-cd]pyrene	1.555	1.678	-7.9	120	-0.02

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	104	-0.01
106	T	Benzo[b]fluoranthene	1.664	1.768	-6.3	122	0.00
107	T	Benzo[k]fluoranthene	1.610	1.383	14.1	98	0.00
108	CCC	Benzo[a]pyrene	1.554	1.533	1.4	111	-0.01
109	T	Dibenz(a,j)acridine	1.342	1.427	-6.3	117	-0.02
110	T	Dibenz(a,h)anthracene	1.490	1.571	-5.4	119	-0.02
111	T	Benzo[g,h,i]perylene	1.568	1.733	-10.5	121	-0.02

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	101	0.00
2		Pyridine	120.000	124.147	-3.5	111	0.00
3	T	2-Picoline	120.000	116.177	3.2	98	0.00
4	T	Methyl methanesulfonate	120.000	96.967	19.2	83	0.00
5	S	2-Fluorophenol	120.000	122.277	-1.9	106	-0.01
6	T	Ethyl methanesulfonate	120.000	123.051	-2.5	105	0.00
7	T	Benzaldehyde	120.000	521.096	-334.2#	411	-0.01
8	T	Aniline	120.000	128.365	-7.0	109	0.00
9	S	Phenol-d5	120.000	116.514	2.9	108	-0.01
10	CCC	Phenol	120.000	118.288	1.4	108	-0.01
11	T	Bis(2-chloroethyl)ether	120.000	124.853	-4.0	115	0.00
12	T	2-Chlorophenol	120.000	118.302	1.4	106	0.00
13	T	1,3-Dichlorobenzene	120.000	117.094	2.4	105	0.00
14	CCC	1,4-Dichlorobenzene	120.000	117.067	2.4	104	0.00
15	T	1,2-Dichlorobenzene	120.000	115.955	3.4	104	0.00
16	T	Benzyl alcohol	120.000	122.750	-2.3	108	0.00
17	T	Bis(2-chloroisopropyl)ether	120.000	115.774	3.5	103	-0.01
18	T	2-Methylphenol	120.000	122.095	-1.7	110	-0.01
19	T	3&4-Methylphenol	240.000	270.137	-12.6	125	-0.01
20	PC	N-Nitrosodi-n-propylamine	120.000	115.951	3.4	103	0.00
21	T	N-Nitrosodimethylamine	120.000	122.281	-1.9	111	0.00
22	T	Hexachloroethane	120.000	113.144	5.7	103	-0.01
23	I	Naphthalene-d8	40.000	40.000	0.0	102	-0.01
24	S	Nitrobenzene-d5	120.000	115.732	3.6	104	0.00
25	T	Acetophenone	240.000	118.984	50.4#	56	-0.01
26	M	Nitrobenzene	120.000	117.066	2.4	108	0.00
27	T	N-Nitrosopiperidine	120.000	125.962	-5.0	112	0.00
28	T	Isophorone	120.000	115.275	3.9	106	0.00
29	CCC	2-Nitrophenol	120.000	122.546	-2.1	106	0.00
30	T	2,4-Dimethylphenol	120.000	118.537	1.2	108	-0.01
31	T	Bis(2-chloroethoxy)methane	120.000	127.711	-6.4	117	0.00
32	CCC	2,4-Dichlorophenol	120.000	119.592	0.3	106	-0.01
33	T	1,2,4-Trichlorobenzene	120.000	113.966	5.0	105	-0.01
34	T	Naphthalene	120.000	115.942	3.4	109	-0.01
35	T	Benzoic acid	120.000	126.057	-5.0	122	0.00

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	116.978	2.5	106	-0.01
37	T	4-Chloroaniline	120.000	126.166	-5.1	114	-0.01
38	CCC	Hexachlorobutadiene	120.000	118.977	0.9	108	0.00
39	T	a,a-Dimethylphenethylamine	120.000	114.776	4.4	104	0.35
40	T	Caprolactam	120.000	140.714	-17.3	116	0.00
41	CCC	4-Chloro-3-methylphenol	120.000	124.448	-3.7	112	-0.01
42	T	N-Nitrosodi-n-butylamine	120.000	140.536	-17.1	109	-0.01
43	T	2-Methylnaphthalene	120.000	117.917	1.7	110	-0.01
44	T	1-Methylnaphthalene	120.000	117.726	1.9	110	-0.01
45	I	Acenaphthene-d10	40.000	40.000	0.0	105	-0.01
46	T	1,2,4,5-Tetrachlorobenzene	120.000	109.827	8.5	102	-0.01
47	PC	Hexachlorocyclopentadiene	120.000	142.502	-18.8	115	-0.01
48	CCC	2,4,6-Trichlorophenol	120.000	116.926	2.6	105	-0.01
49	T	2,4,5-Trichlorophenol	120.000	115.384	3.8	107	-0.01
50	S	2-Fluorobiphenyl	120.000	109.928	8.4	105	-0.01
51	T	Biphenyl	120.000	116.162	3.2	112	-0.01
52	T	2-Chloronaphthalene	120.000	115.195	4.0	111	-0.01
53	T	1-Chloronaphthalene	120.000	98.771	17.7	95	-0.01
54	T	2-Nitroaniline	120.000	118.588	1.2	106	-0.01
55	T	3-Nitroaniline	120.000	122.517	-2.1	109	-0.01
56	T	Pentachlorobenzene	120.000	111.671	6.9	106	-0.01
57	T	4-Nitroaniline	120.000	124.510	-3.8	113	0.00
58	T	2-Naphthylamine	120.000	122.738	-2.3	110	0.00
59	T	1-Naphthylamine	120.000	112.597	6.2	110	-0.01
60	T	Dimethyl phthalate	120.000	114.764	4.4	106	-0.02
61	T	Acenaphthylene	120.000	124.702	-3.9	119	-0.01
62	T	2,6-Dinitrotoluene	120.000	116.153	3.2	105	-0.01
63	CCC	Acenaphthene	120.000	109.796	8.5	104	-0.01
64	PC	2,4-Dinitrophenol	120.000	131.501	-9.6	116	-0.01
65	T	Dibenzofuran	120.000	112.484	6.3	107	-0.01
66	PC	4-Nitrophenol	120.000	129.113	-7.6	111	-0.01
67	M	2,4-Dinitrotoluene	120.000	121.240	-1.0	108	-0.01
68	T	2,3,4,6-Tetrachlorophenol	120.000	112.348	6.4	100	-0.01
69	T	Diethyl phthalate	120.000	111.708	6.9	106	-0.01
70	T	Fluorene	120.000	109.228	9.0	106	-0.02

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	109.672	8.6	106	-0.01
72	S	2,4,6-Tribromophenol	120.000	123.329	-2.8	108	-0.01
73	I	Phenanthrene-d10	40.000	40.000	0.0	109	0.00
74	T	4,6-Dinitro-2-methylphenol	120.000	117.642	2.0	96	0.00
75	T	Azobenzene	120.000	114.981	4.2	114	-0.01
76	T	1,2-Diphenylhydrazine	120.000	120.016	-0.0	116	-0.01
77	CCC	Diphenylamine	120.000	103.472	13.8	103	-0.01
78	T	N-Nitrosodiphenylamine	120.000	101.681	15.3	101	-0.01
79	T	4-Bromophenyl phenyl ether	120.000	124.039	-3.4	118	-0.01
80	T	Phenacetin	120.000	123.027	-2.5	119	0.00
81	T	Hexachlorobenzene	120.000	118.429	1.3	115	-0.01
82	T	Atrazine	120.000	114.003	5.0	111	0.00
83	T	4-Aminobiphenyl	120.000	140.867	-17.4	130	-0.01
84	CCC	Pentachlorophenol	120.000	9.858	91.8#	8	0.11
85	T	Pentachloronitrobenzene	120.000	120.736	-0.6	116	0.00
86	T	Pronamide	120.000	117.263	2.3	112	-0.01
87	T	Phenanthrene	120.000	113.507	5.4	112	-0.01
88	T	Anthracene	120.000	120.720	-0.6	120	0.00
89	T	Carbazole	120.000	125.073	-4.2	123	0.00
90	T	Di-n-butyl phthalate	120.000	123.455	-2.9	119	-0.01
91	CCC	Fluoranthene	120.000	118.535	1.2	116	-0.02
92	I	Chrysene-d12	40.000	40.000	0.0	108	-0.01
93	T	Pyrene	120.000	120.945	-0.8	120	-0.01
94	S	4-Terphenyl-d14	120.000	116.810	2.7	113	-0.02
95	T	Benzidine	120.000	198.304	-65.3#	179	0.00
96	T	Dimethylaminoazobenzene	120.000	134.747	-12.3	124	0.00
97	T	Butyl benzyl phthalate	120.000	132.606	-10.5	124	-0.01
98	T	Benz(a)anthracene	120.000	123.810	-3.2	118	-0.01
99	T	3,3'-Dichlorobenzidine	120.000	138.887	-15.7	120	0.00
100	T	Chrysene	120.000	123.378	-2.8	119	-0.01
101	T	Bis(2-ethylhexyl)phthalate	120.000	131.969	-10.0	123	-0.01
102	CCC	Di-n-octyl phthalate	120.000	125.874	-4.9	116	-0.01
103	T	3-Methylchlolanthrene	120.000	133.620	-11.4	122	-0.01
104	T	Indeno[1,2,3-cd]pyrene	120.000	129.509	-7.9	120	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030413.D Vial: 13
Acq On : 4 Mar 2004 4:28 pm Operator: BP
Sample : BNA 120 2202 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	104	-0.01
106	T	Benzo[b]fluoranthene	120.000	127.508	-6.3	122	0.00
107	T	Benzo[k]fluoranthene	120.000	103.061	14.1	98	0.00
108	CCC	Benzo[a]pyrene	120.000	118.423	1.3	111	-0.01
109	T	Dibenz(a,j)acridine	120.000	127.669	-6.4	117	-0.02
110	T	Dibenz(a,h)anthracene	120.000	126.566	-5.5	119	-0.02
111	T	Benzo[g,h,i]perylene	120.000	132.582	-10.5	121	-0.02

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	96627	40.00	ng	0.00
23) Naphthalene-d8	6.34	136	335899	40.00	ng	-0.01
45) Acenaphthene-d10	9.11	164	197785	40.00	ng	-0.01
73) Phenanthrene-d10	11.98	188	341930	40.00	ng	-0.02
92) Chrysene-d12	17.61	240	304593	40.00	ng	-0.02
105) Perylene-d12	20.45	264	264449	40.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
Spiked Amount 100.000	Range 21 - 110		Recovery = 0.00%#			
9) Phenol-d5	0.00	99	0d	0.00	ng	
Spiked Amount 100.000	Range 10 - 110		Recovery = 0.00%#			
24) Nitrobenzene-d5	5.40	82	29495	8.50	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 17.00%#			
50) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
Spiked Amount 50.000	Range 43 - 116		Recovery = 0.00%#			
72) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
Spiked Amount 100.000	Range 10 - 123		Recovery = 0.00%#			
94) 4-Terphenyl-d14	0.00	244	0	0.00	ng	
Spiked Amount 50.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.63	94	437599	104.70	ng	99
11) Bis(2-chloroethyl)ether	4.59	63	253855	102.31	ng	97
12) 2-Chlorophenol	4.68	128	342336	101.27	ng	100
13) 1,3-Dichlorobenzene	4.79	146	392809	101.28	ng	100
14) 1,4-Dichlorobenzene	4.85	146	385543	100.29	ng	100
15) 1,2-Dichlorobenzene	5.06	146	353841	97.36	ng	100
16) Benzyl alcohol	5.04	108	216812	96.56	ng	99
17) Bis(2-chloroisopropyl)ethe	5.18	45	461591	95.24	ng	99
18) 2-Methylphenol	5.23	107	263061	98.05	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.39	107	376288	118.75	ng	#	91
20)	N-Nitrosodi-n-propylamine	5.34	70	262320	105.88	ng		97
21)	N-Nitrosodimethylamine	1.11	42	54896	110.09	ng		98
22)	Hexachloroethane	5.40	117	134629	101.22	ng		99
25)	Acetophenone	0.00	105	0	N.D.	d		
26)	Nitrobenzene	5.51	77	353444	103.38	ng		99
27)	N-Nitrosopiperidine	5.34	114	2400	1.43	ng	#	1
28)	Isophorone	5.78	82	634741	98.21	ng		100
29)	2-Nitrophenol	5.89	139	189743	105.32	ng		99
30)	2,4-Dimethylphenol	5.98	122	297914	100.68	ng		100
31)	Bis(2-chloroethoxy)methane	6.05	93	395708	107.97	ng		100
32)	2,4-Dichlorophenol	6.23	162	277690	100.50	ng		100
33)	1,2,4-Trichlorobenzene	6.29	180	300810	99.00	ng		100
34)	Naphthalene	6.37	128	931528	98.66	ng		100
35)	Benzoic acid	6.18	122	160625	151.84	ng		99
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	d		
37)	4-Chloroaniline	6.47	127	314407	86.76	ng		100
38)	Hexachlorobutadiene	6.60	225	184619	103.10	ng		99
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.			
40)	Caprolactam	0.00	55	0	N.D.	d		
41)	4-Chloro-3-methylphenol	7.20	107	294334	105.67	ng		100
42)	N-Nitrosodi-n-butylamine	6.60	84	6593	2.57	ng	#	16
43)	2-Methylnaphthalene	7.34	142	646470	99.01	ng		100
44)	1-Methylnaphthalene	0.00	142	0	N.D.	d		
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.			
47)	Hexachlorocyclopentadiene	7.69	237	222626	187.89	ng		99
48)	2,4,6-Trichlorophenol	7.85	196	210069	106.82	ng		99
49)	2,4,5-Trichlorophenol	7.95	196	215658	111.32	ng		98
51)	Biphenyl	0.00	154	0	N.D.			
52)	2-Chloronaphthalene	8.11	162	622858	106.37	ng		95
53)	1-Chloronaphthalene	0.00	162	0	N.D.	d		
54)	2-Nitroaniline	8.35	65	196273	105.83	ng		99
55)	3-Nitroaniline	9.09	138	134990	78.78	ng		100
56)	Pentachlorobenzene	0.00	250	0	N.D.			
57)	4-Nitroaniline	10.27	138	171704	99.37	ng		100
58)	2-Naphthylamine	0.00	143	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.		
60)	Dimethyl phthalate	8.71	163	704667	101.52 ng		100
61)	Acenaphthylene	8.84	152	971774	113.95 ng		100
62)	2,6-Dinitrotoluene	8.83	165	153383	101.03 ng		96
63)	Acenaphthene	9.17	154	575031	100.79 ng		100
64)	2,4-Dinitrophenol	9.27	184	71859	113.44 ng		98
65)	Dibenzofuran	9.47	168	847037	98.86 ng		100
66)	4-Nitrophenol	9.56	65	131178	99.49 ng		90
67)	2,4-Dinitrotoluene	9.55	165	212634	108.36 ng		99
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.		
69)	Diethyl phthalate	10.04	149	675451	100.18 ng		99
70)	Fluorene	10.12	166	688659	97.33 ng		100
71)	4-Chlorophenyl phenyl ethe	10.13	204	339817	99.40 ng		100
74)	4,6-Dinitro-2-methylphenol	10.34	198	122988	106.32 ng		98
75)	Azobenzene	10.44	77	670085	100.47 ng		99
76)	1,2-Diphenylhydrazine	10.44	182	211786	102.87 ng		99
77)	Diphenylamine	10.39	170	67753	47.39 ng	#	94
78)	N-Nitrosodiphenylamine	10.39	168	327211	48.53 ng		99
79)	4-Bromophenyl phenyl ether	11.09	248	223474	100.74 ng		99
80)	Phenacetin	0.00	108	0	N.D. d		
81)	Hexachlorobenzene	11.37	284	227811	98.59 ng		99
82)	Atrazine	0.00	200	0	N.D. d		
83)	4-Aminobiphenyl	0.00	169	0	N.D. d		
84)	Pentachlorophenol	11.77	266	122239	110.90 ng		98
85)	Pentachloronitrobenzene	0.00	237	0	N.D. d		
86)	Pronamide	0.00	173	0	N.D.		
87)	Phenanthrene	12.03	178	985990	97.16 ng		100
88)	Anthracene	12.12	178	948612	93.19 ng		100
89)	Carbazole	12.50	167	911196	90.75 ng		100
90)	Di-n-butyl phthalate	13.38	149	1139181	100.09 ng		100
91)	Fluoranthene	14.53	202	1120337	92.56 ng		100
93)	Pyrene	15.00	202	1119419	107.15 ng		99
95)	Benzidine	14.86	184	415872	229.12 ng		100
96)	Dimethylaminoazobenzene	0.00	225	0	N.D. d		
97)	Butyl benzyl phthalate	16.55	149	504212	112.62 ng		99
98)	Benz(a)anthracene	17.57	228	1106886	104.07 ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

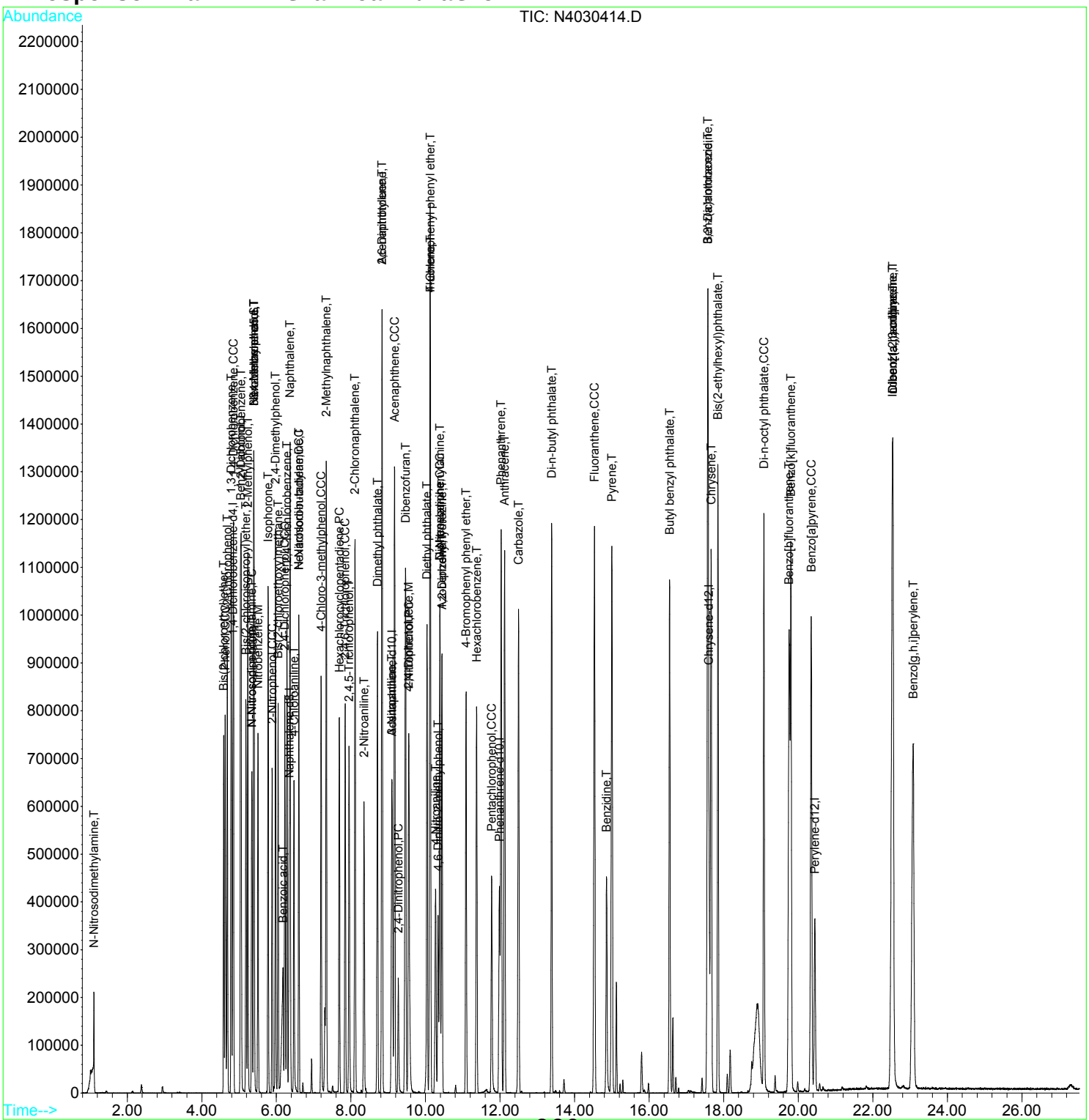
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.58	252	312410	97.82	ng		100
100)	Chrysene	17.66	228	979659	101.98	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.85	149	649914	109.81	ng		100
102)	Di-n-octyl phthalate	19.08	149	1084559	101.00	µg		100
103)	3-Methylchlolanthrene	0.00	268	0	N.D.			
104)	Indeno[1,2,3-cd]pyrene	22.52	276	1278733	108.00	ng	#	100
106)	Benzo[b]fluoranthene	19.76	252	1093025	99.33	ng		98
107)	Benzo[k]fluoranthene	19.80	252	1016499m	95.50	ng		
108)	Benzo[a]pyrene	20.35	252	1019240	99.22	ng		100
109)	Dibenz(a,j)acridine	22.54	279	251838	28.39	ng	#	1
110)	Dibenz(a,h)anthracene	22.54	278	1059081	107.55	ng		100
111)	Benzo[g,h,i]perylene	23.08	276	1108523	106.91	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: B030404.RES

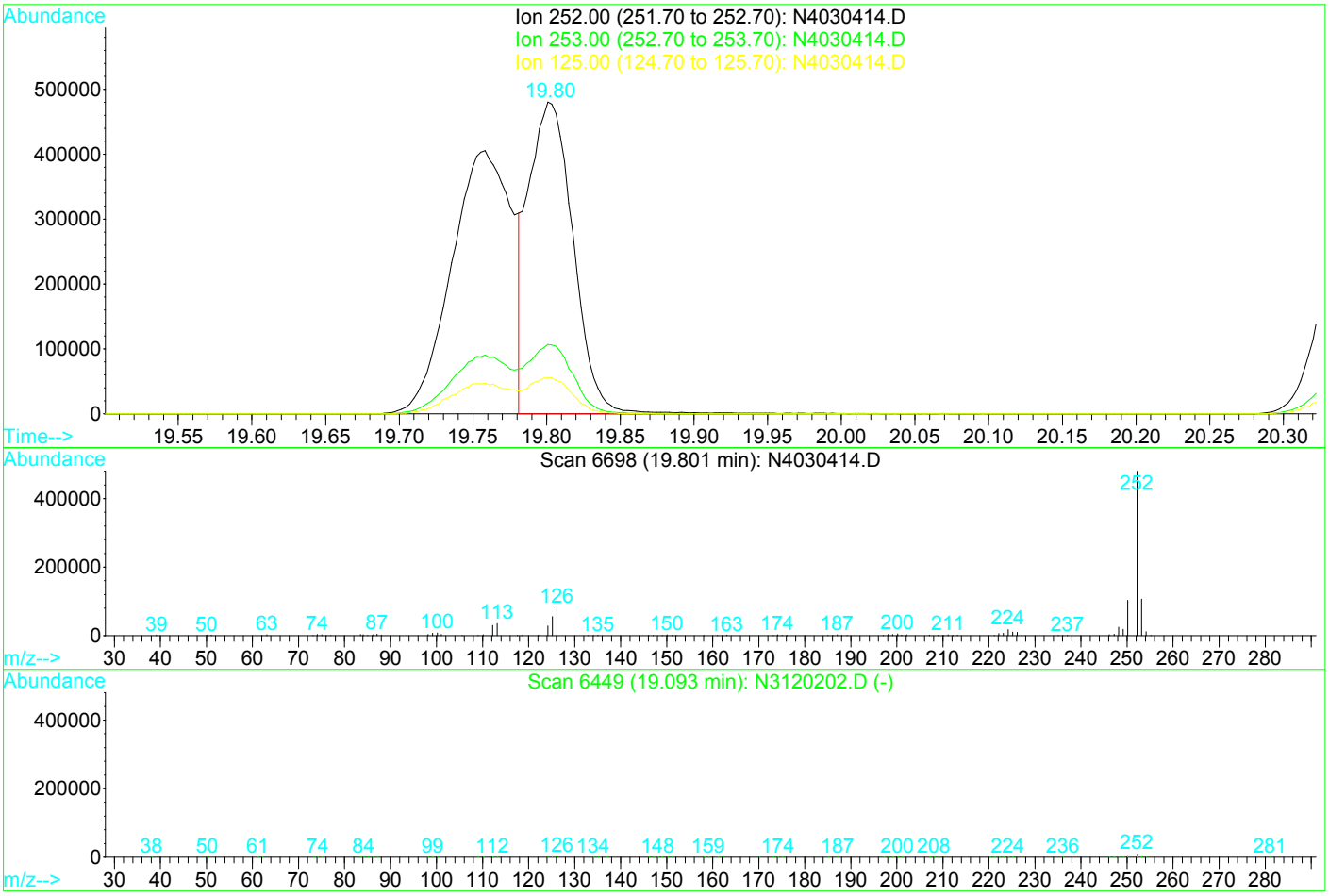
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40304\N4030414.D Vial: 14
Acq On : 4 Mar 2004 5:05 pm Operator: BP
Sample : 625 SPK 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 10:23 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 10:20:41 2004
Response via : Multiple Level Calibration



TIC: N4030414.D

(107) Benzo[k]fluoranthene (T)

19.80min 95.50ng m

response 1016499

Ion	Exp%	Act%
252.00	100	100
253.00	23.60	23.96
125.00	11.30	13.19
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030416.D Vial: 15
Acq On : 4 Mar 2004 5:42 pm Operator: BP
Sample : BENZIDINE SPIKE 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:39 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.83	152	105454	40.00	ng	-0.01
23) Naphthalene-d8	6.33	136	372590	40.00	ng	-0.02
45) Acenaphthene-d10	9.11	164	216900	40.00	ng	-0.02
73) Phenanthrene-d10	11.97	188	366234	40.00	ng	-0.03
92) Chrysene-d12	17.59	240	357427	40.00	ng	-0.03
105) Perylene-d12	20.44	264	290528	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
Spiked Amount 100.000	Range 21 - 110		Recovery = 0.00%#			
9) Phenol-d5	0.00	99	0	0.00	ng	
Spiked Amount 100.000	Range 10 - 110		Recovery = 0.00%#			
24) Nitrobenzene-d5	0.00	82	0	0.00	ng	
Spiked Amount 50.000	Range 34 - 114		Recovery = 0.00%#			
50) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
Spiked Amount 50.000	Range 43 - 116		Recovery = 0.00%#			
72) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
Spiked Amount 100.000	Range 10 - 123		Recovery = 0.00%#			
94) 4-Terphenyl-d14	0.00	244	0	0.00	ng	
Spiked Amount 50.000	Range 33 - 141		Recovery = 0.00%#			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.		
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030416.D Vial: 15
Acq On : 4 Mar 2004 5:42 pm Operator: BP
Sample : BENZIDINE SPIKE 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:39 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	3&4-Methylphenol	0.00	107	0	N.D.		
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.		
22)	Hexachloroethane	0.00	117	0	N.D.		
25)	Acetophenone	0.00	105	0	N.D.		
26)	Nitrobenzene	0.00	77	0	N.D.		
27)	N-Nitrosopiperidine	0.00	114	0	N.D.		
28)	Isophorone	0.00	82	0	N.D.		
29)	2-Nitrophenol	0.00	139	0	N.D.		
30)	2,4-Dimethylphenol	0.00	122	0	N.D.		
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.		
32)	2,4-Dichlorophenol	0.00	162	0	N.D.		
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
34)	Naphthalene	0.00	128	0	N.D.		
35)	Benzoic acid	0.00	122	0	N.D.		
36)	2,6-Dichlorophenol	0.00	162	0	N.D.		
37)	4-Chloroaniline	0.00	127	0	N.D.		
38)	Hexachlorobutadiene	0.00	225	0	N.D.		
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.		
40)	Caprolactam	0.00	55	0	N.D.		
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.		
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.		
43)	2-Methylnaphthalene	0.00	142	0	N.D.		
44)	1-Methylnaphthalene	0.00	142	0	N.D.		
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.		
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.		
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.		
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.		
51)	Biphenyl	0.00	154	0	N.D.		
52)	2-Chloronaphthalene	0.00	162	0	N.D.		
53)	1-Chloronaphthalene	0.00	162	0	N.D.		
54)	2-Nitroaniline	0.00	65	0	N.D.		
55)	3-Nitroaniline	0.00	138	0	N.D.		
56)	Pentachlorobenzene	0.00	250	0	N.D.		
57)	4-Nitroaniline	0.00	138	0	N.D.		
58)	2-Naphthylamine	0.00	143	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030416.D Vial: 15
Acq On : 4 Mar 2004 5:42 pm Operator: BP
Sample : BENZIDINE SPIKE 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:39 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D.	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	14.86	184	342951	164.13 ng	100
96) Dimethylaminoazobenzene	0.00	225	0	N.D. d	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40304\N4030416.D Vial: 15
Acq On : 4 Mar 2004 5:42 pm Operator: BP
Sample : BENZIDINE SPIKE 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:39 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

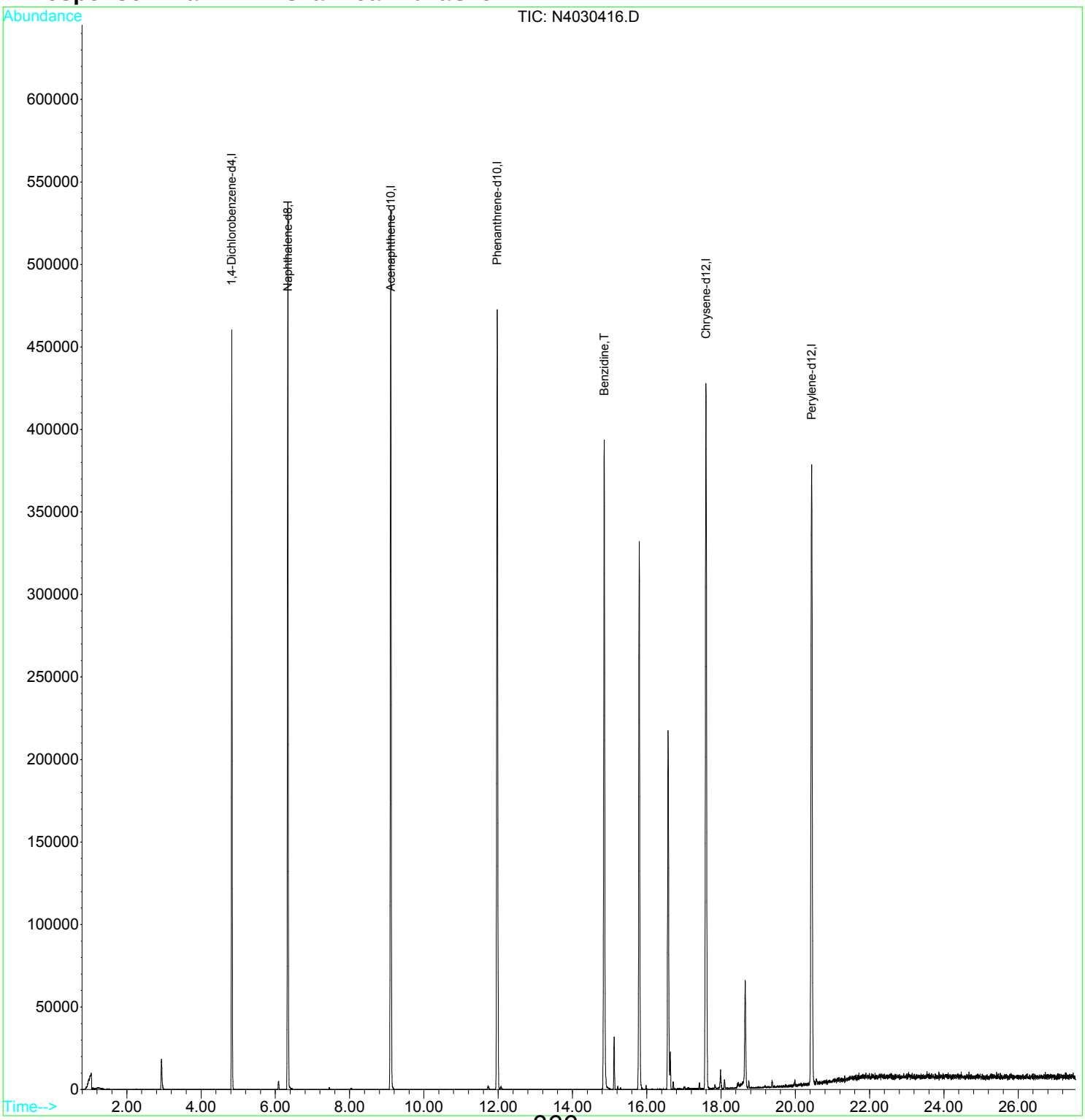
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	d	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40304\N4030416.D Vial: 15
Acq On : 4 Mar 2004 5:42 pm Operator: BP
Sample : BENZIDINE SPIKE 100 Inst : GC/MS #6
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 5 9:39 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Fri Mar 05 09:22:56 2004
Response via : Initial Calibration



Injection Log

Directory: C:\HPCHEM\1\DATA\N40625

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	N4062501.D	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 08:38
2	2	N4062502.D	1.	BNA 20 2238	CCV 8270_TCL4.2_W	25 Jun 2004 09:14
3	3	N4062503.D	1.	SEQBLK	MBLK 8270_TCL4.2_W	25 Jun 2004 09:50
4	4	N4062504.D	1.	0406A59-008B 47020	SAMP 8270_PAH_W	25 Jun 2004 10:26
5	6	N4062506.D	1.	MB-47087	MBLK 8270_TCL4.2_W	25 Jun 2004 11:03
6	7	N4062507.D	1.	LCS-47087	LCS 8270_TCL4.2_W	25 Jun 2004 11:39
7	8	N4062508.D	1.	0406C14-006B 47087	SAMP 8270_TCL4.2_W	25 Jun 2004 12:15
8	9	N4062509.D	1.	0406C14-007B 47087	SAMP 8270_TCL4.2_W	25 Jun 2004 12:52
9	10	N4062510.D	1.	0406B78-001B 47087	SAMP 8270_TCL4.2_W	25 Jun 2004 13:28
10	11	N4062511.D	1.	0406B78-001BMS 47087	MS 8270_TCL4.2_W	25 Jun 2004 14:04
11	12	N4062512.D	1.	0406B78-001BMSD 47087	MSD 8270_TCL4.2_W	25 Jun 2004 14:40
12	13	N4062513.D	1.	0406A59-001B 5X 47020	SAMP 8270_PAH_W	25 Jun 2004 15:17
13	14	N4062514.D	1.	0406A59-002B 10X 47020	SAMP 8270_PAH_W	25 Jun 2004 15:53
14	1	N4062515.D	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 16:29
15	2	N4062516.D	1.	BNA 20 2238	CCV 8270_TCL4.2_W	25 Jun 2004 16:56
16	15	N4062517.D	1.	PBA 60 2283	CCV 8270C_S	25 Jun 2004 17:32
17	16	N4062518.D	1.	MB-47084	MBLK 8270_TCL4.2_S	25 Jun 2004 18:08
18	17	N4062519.D	1.	LCS-47084	LCS 8270_TCL4.2_S	25 Jun 2004 18:43
19	18	N4062520.D	1.	0406B60-001B 47084	SAMP 8270_TCL4.2_S	25 Jun 2004 19:19
20	19	N4062521.D	1.	0406B60-002B 47084	SAMP 8270_TCL4.2_S	25 Jun 2004 19:55
21	20	N4062522.D	1.	0406B60-003B 47084	SAMP 8270_TCL4.2_S	25 Jun 2004 20:31
22	21	N4062523.D	1.	0406995-002B 47084	SAMP 8270_TCL4.2_S	25 Jun 2004 21:07
23	22	N4062524.D	1.	0406995-002BMS 47084	MS 8270_TCL4.2_S	25 Jun 2004 21:43
24	23	N4062525.D	1.	0406995-002BMSD 47084	MS 8270_TCL4.2_S	25 Jun 2004 22:19
25	24	N4062526.D	1.	0406A49-003B 10X 47020	SAMP 8270_PAH_W	25 Jun 2004 22:55
26	25	N4062527.D	1.	0406A49-004B 5X 47020	SAMP 8270_PAH_W	25 Jun 2004 23:31
27	26	N4062528.D	1.	0406B78-002B 47087	SAMP 8270_TCL4.2_W	26 Jun 2004 00:08
28	27	N4062529.D	1.	0406B78-003B 47087	SAMP 8270_TCL4.2_W	26 Jun 2004 00:44
29	28	N4062530.D	1.	0406995-003B 47084	SAMP 8270_TCL4.2_S	26 Jun 2004 01:21
30	29	N4062531.D	1.	0406995-007B 47084	SAMP 8270_TCL4.2_S	26 Jun 2004 01:57

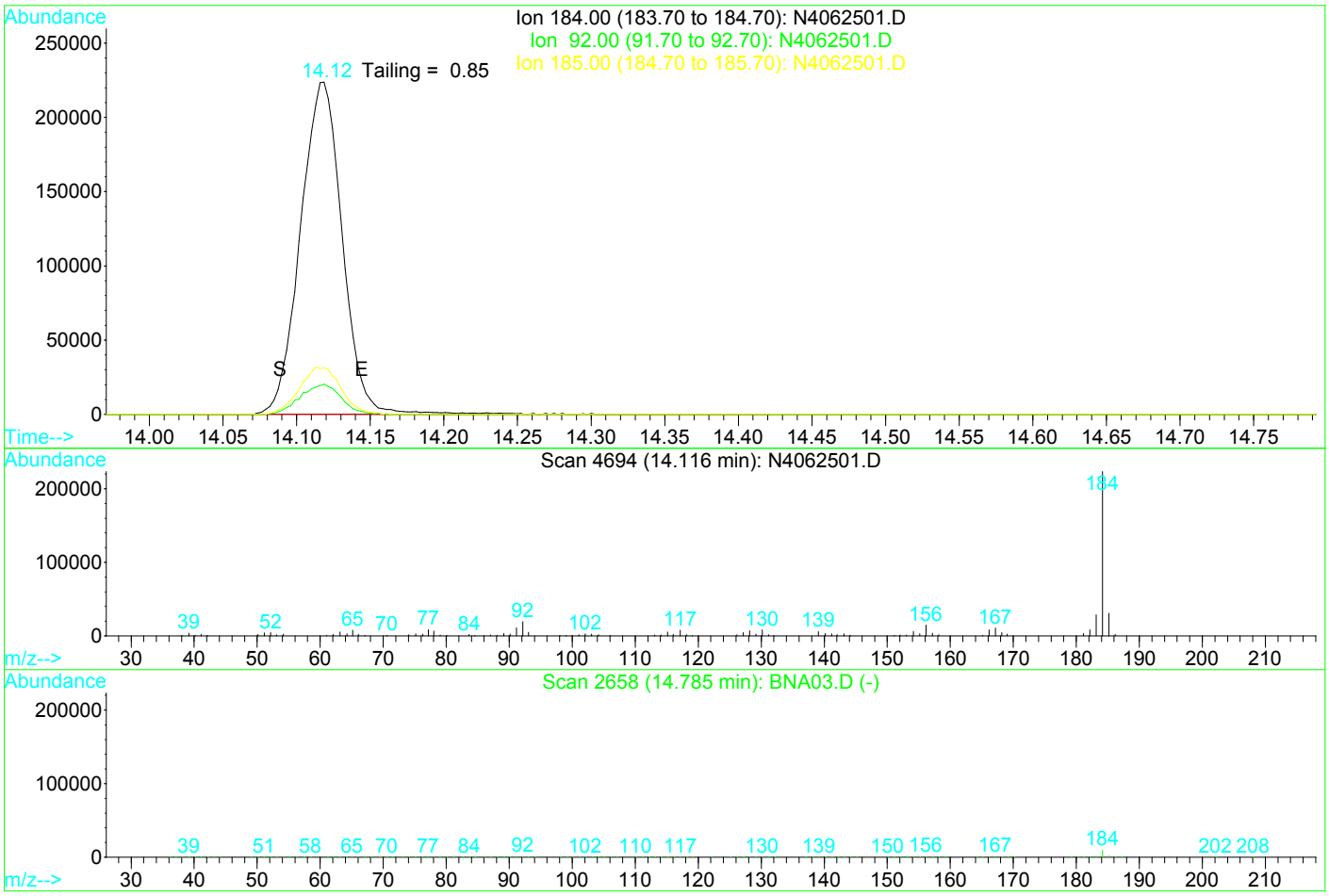
Injection Log

Directory: C:\HPCHEM\1\DATA\N40625

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
31	30	N4062532.D	1.	0406925-001B	47084	SAMP 8270_TCL4.2_S	26 Jun 2004 02:33
32	31	N4062533.D	1.	0406925-002B	47084	SAMP 8270_TCL4.2_S	26 Jun 2004 03:09
33	32	N4062534.D	1.	0406925-003B	47084	SAMP 8270_TCL4.2_S	26 Jun 2004 03:46
34	33	N4062535.D	1.	0406925-004B	47084	SAMP 8270_TCL4.2_S	26 Jun 2004 04:22

Data File : C:\HPCHEM\1\DATA\N40625\N4062501.D Vial: 1
Acq On : 25 Jun 2004 8:38 am Operator: BP
Sample : DFTPP 2256 Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:55 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : 8270BNA CUR 02/16/0
Last Update : Thu Apr 10 16:20:23 2003
Response via : Multiple Level Calibration



TIC: N4062501.D

(8) Benzidine (T)

8.61min 0.00ng

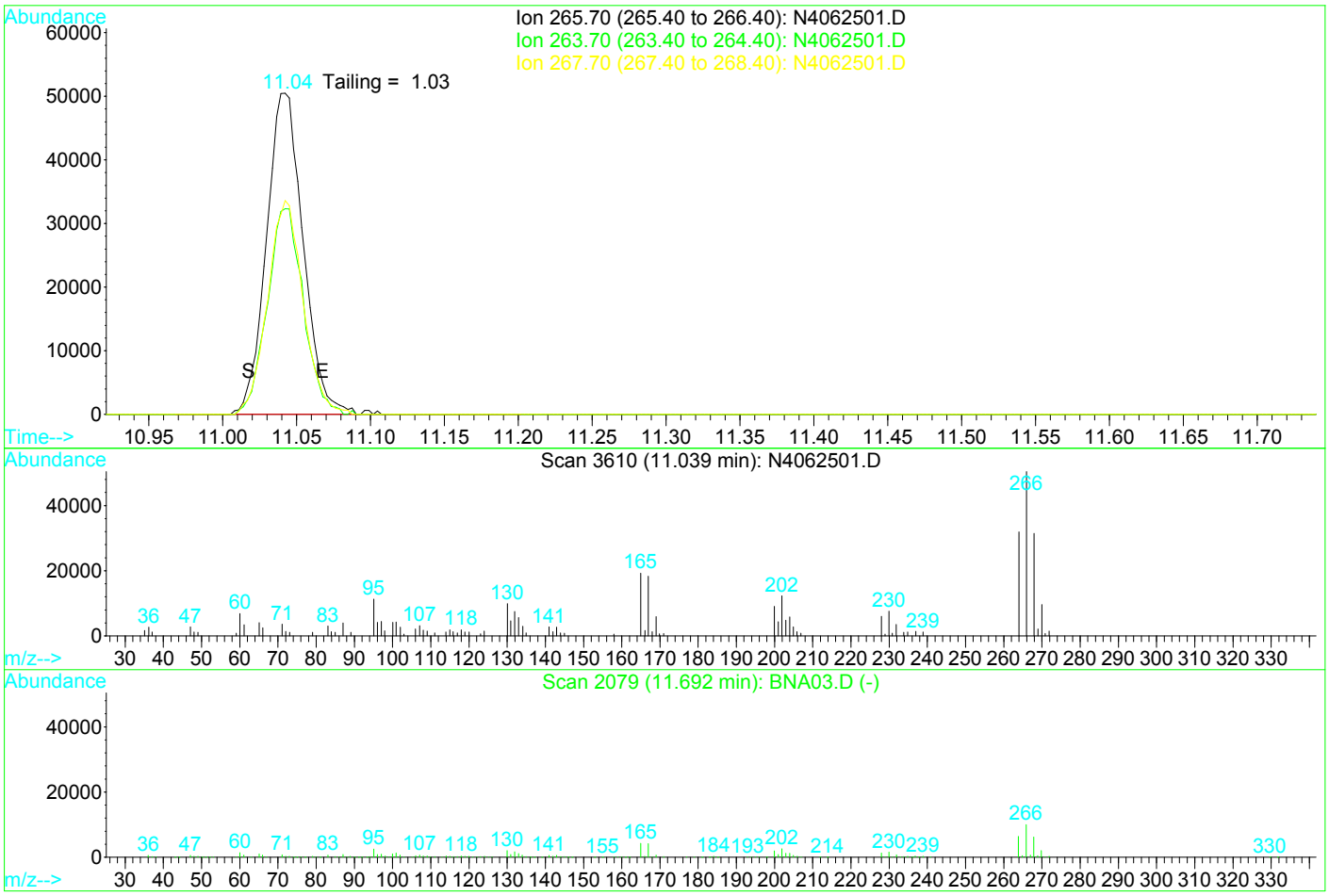
response 0

Ion	Exp%	Act%
184.00	100	0.00
92.00	13.50	0.00
185.00	15.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062501.D Vial: 1
Acq On : 25 Jun 2004 8:38 am Operator: BP
Sample : DFTPP 2256 Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:55 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : 8270BNA CUR 02/16/0
Last Update : Thu Apr 10 16:20:23 2003
Response via : Multiple Level Calibration



TIC: N4062501.D

(6) Pentachlorophenol (CCC)

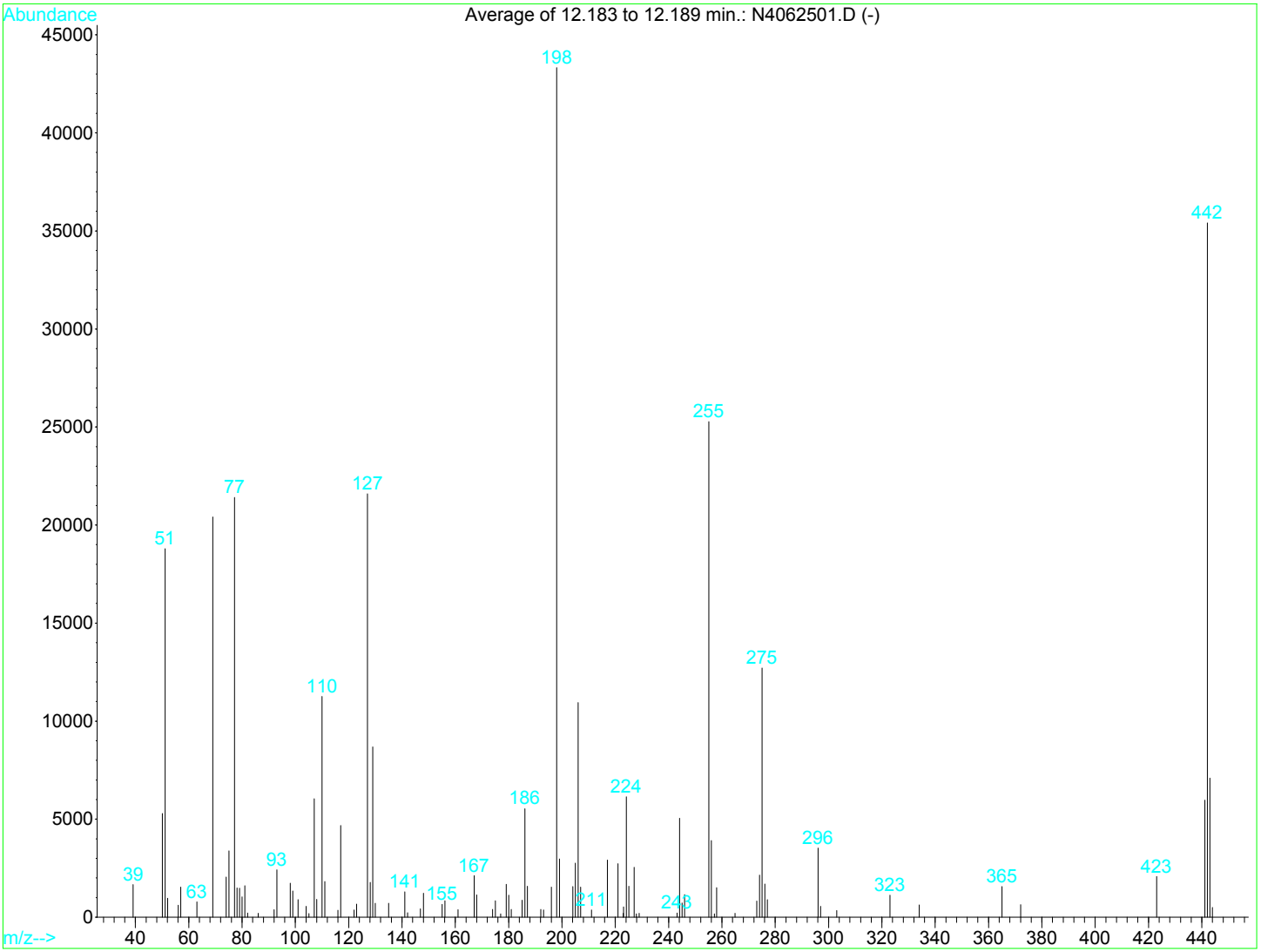
6.80min 0.00ng

response 0

Ion	Exp%	Act%
265.70	100	0.00
263.70	60.50	0.00#
267.70	64.70	0.00#
0.00	0.00	0.00

DFTPP 625 Results

C:\HPCHEM\1\DATA\N40625\N4062501.D Fri Jun 25 12:55:03 2004



Peak Apex is scan: 4014

Average of 3 scans: 4013,4014,4015 minus background scan 4000

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	43.4	PASS
68	69	0	2	0.0	PASS
69	198	0	100	47.1	PASS
70	69	0	2	0.0	PASS
127	198	40	60	49.9	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.9	PASS
275	198	10	30	29.3	PASS
365	198	1	100	3.6	PASS
441	443	0	100	84.2	PASS
442	198	40	100	81.7	PASS
443	442	17	23	20.0	PASS

Information from Data File:
File: C:\HPCHEM\1\DATA\N40625\N4062501.D
Operator: BP
Date Acquired: 25 Jun 2004 8:38 am
Method File: &RTX5
Sample Name: DFTPP 2256
Misc Info: TUNE DFTPP_4
Vial Number: 1

Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

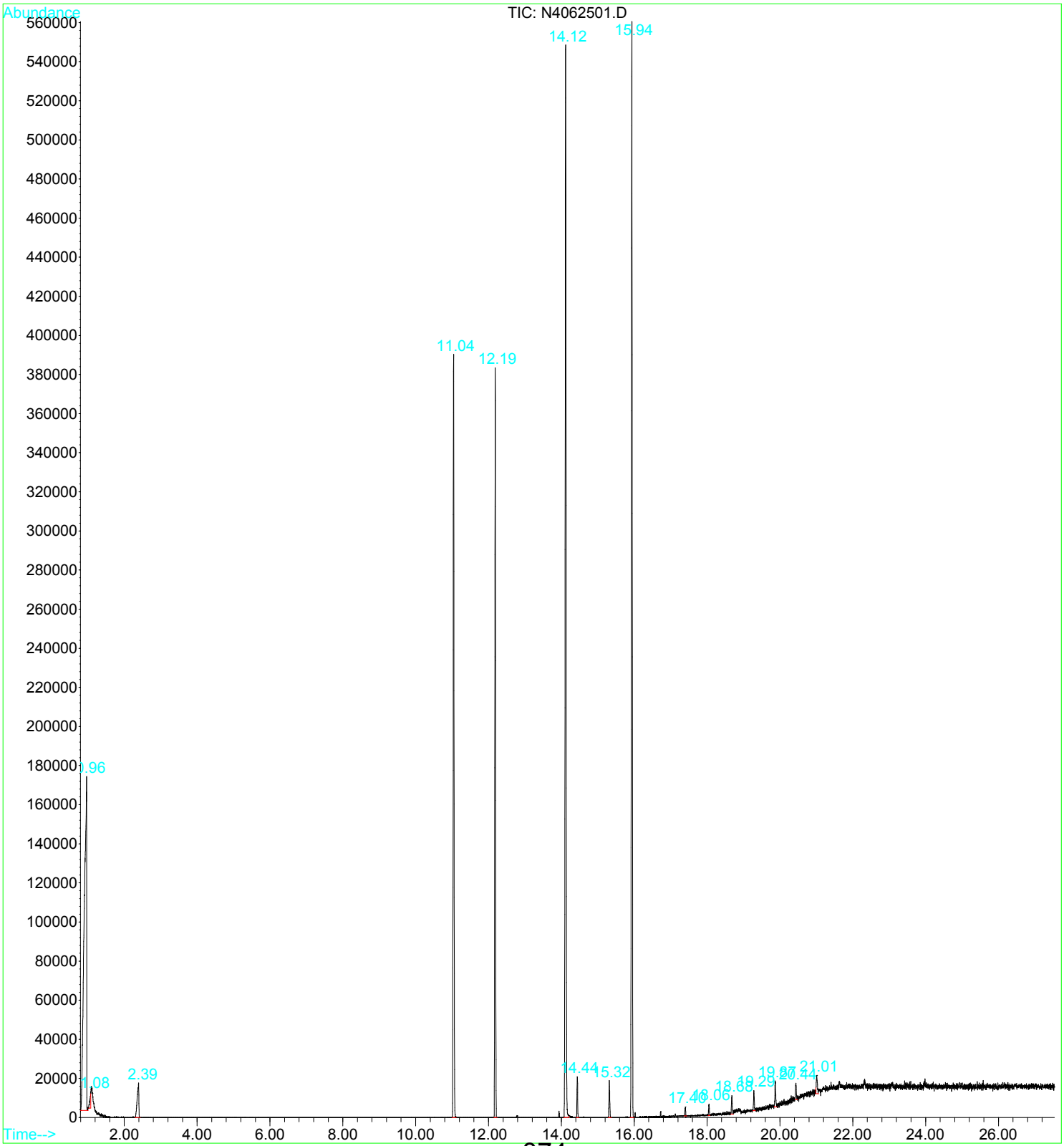
Unknown Spectrum: Apex
Integration Events: RTE Integrator - RTEINT.P

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	0.96	19.01	C:\DATABASE\NIST98.L			
			Methylene Chloride	111040	000075-09-2	94
			Methylene Chloride	12327	000075-09-2	91
			Methylene Chloride	111041	000075-09-2	91
2	1.08	0.33	C:\DATABASE\NIST98.L			
			Ethyl Chloride	107943	000075-00-3	4
			Acetic acid, chloro-, ethyl ester	108005	000105-39-5	4
			1-Propanol, 3-chloro-	108340	000627-30-5	2
3	2.39	1.29	C:\DATABASE\NIST98.L			
			Methylene Chloride	12327	000075-09-2	91
			Methylene Chloride	111040	000075-09-2	91
			Methylene Chloride	111039	000075-09-2	91
4	11.04	15.24	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	127881	000087-86-5	94
5	12.19	13.38	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126125	005074-71-5	99
6	14.12	24.87	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	97
			Benzidine	78849	000092-87-5	97
			Benzidine	125547	000092-87-5	94
7	14.44	0.65	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	72
			Hexadecanoic acid, 1,1-dimethyleth	15255	031158-91-5	64
			Cyclohexane, (1,1-dimethylethyl)-	15248	003178-22-1	25
8	15.32	0.64	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloropheny	127281	000072-54-8	83
			1,1-Dichloro-2,2-bis(p-chloropheny	127282	000072-54-8	83
			1,1-Dichloro-2,2-bis(p-chloropheny	127283	000072-54-8	78

9	15.94	22.30	C:\DATABASE\NIST98.L			
			Chlorophenothane	127287	000050-29-3	99
			Chlorophenothane	127284	000050-29-3	98
			o,p'-DDT	127278	000789-02-6	95
10	17.40	0.13	C:\DATABASE\NIST98.L			
			4-Heptanone, 2-methyl-	16512	000626-33-5	9
			4-Octanone	109631	000589-63-9	9
			Octadecane	112330	000593-45-3	9
11	18.06	0.18	C:\DATABASE\NIST98.L			
			Octadecane, 1-iodo-	112388	000629-93-6	38
			3-Ethyl-3-methylheptane	17115	017302-01-1	38
			Hexatriacontane	112334	000630-06-8	9
12	18.68	0.35	C:\DATABASE\NIST98.L			
			Dodecane, 1-iodo-	112571	004292-19-7	42
			3-Ethyl-3-methylheptane	17115	017302-01-1	40
			Octadecane	16439	000593-45-3	9
13	19.29	0.38	C:\DATABASE\NIST98.L			
			Octadecanenitrile	112428	000638-65-3	25
			4H-Pyran-4-one, 3,5-diacetyl-2,6-d	7107	019396-77-1	9
			Hexadecane, 7,9-dimethyl-	17082	021164-95-4	9
14	19.87	0.51	C:\DATABASE\NIST98.L			
			1-Benzazirene-1-carboxylic acid, 2	84813	1000197-90-8	23
			Heneicosane, 11-(1-ethylpropyl)-	5631	055282-11-6	22
			Eicosane, 9-octyl-	5630	013475-77-9	16
15	20.44	0.31	C:\DATABASE\NIST98.L			
			Cyclotrisiloxane, hexamethyl-	84874	000541-05-9	50
			1,3-Bis(trimethylsilyl)benzene	84730	002060-89-1	42
			Cyclotrisiloxane, hexamethyl-	126480	000541-05-9	40
16	21.01	0.42	C:\DATABASE\NIST98.L			
			Arsenous acid, tris(trimethylsilyl	84872	055429-29-3	45
			Cyclotrisiloxane, hexamethyl-	126481	000541-05-9	42
			Cyclotrisiloxane, hexamethyl-	126480	000541-05-9	42

Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062501.D **Vial: 1**
Acq On : 25 Jun 2004 8:38 am **Operator: BP**
Sample : DFTPP 2256 **Inst : GC/MS #6**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



N4062501.D DFTPP.M Fri Jun 25 12:54:53 2004

Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062501.D Vial: 1
Acq On : 25 Jun 2004 8:38 am Operator: BP
Sample : DFTPP 2256 Inst : GC/MS #6
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 5000 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.964	3	60	69	rBV	170817	803602	76.44%	19.012%
2	1.077	80	100	101	rBV2	8453	13946	1.33%	0.330%
3	2.392	532	563	572	rBB4	17788	54316	5.17%	1.285%
4	11.042	3597	3611	3629	rBB2	390361	644114	61.27%	15.239%
5	12.186	4001	4014	4026	rBB2	383484	565689	53.81%	13.384%
6	14.119	4677	4695	4727	rBV2	548590	1051324	100.00%	24.873%
7	14.437	4799	4807	4817	rBB3	20905	27479	2.61%	0.650%
8	15.316	5107	5117	5129	rBB3	18983	27117	2.58%	0.642%
9	15.935	5319	5335	5350	rBB2	560555	942635	89.66%	22.302%
10	17.402	5844	5852	5859	rBV2	4666	5614	0.53%	0.133%
11	18.055	6074	6082	6089	rBV3	5913	7747	0.74%	0.183%
12	18.682	6293	6303	6312	rVB4	9475	14825	1.41%	0.351%
13	19.287	6507	6516	6529	rBV5	10344	16082	1.53%	0.380%
14	19.872	6714	6722	6734	rVB4	13335	21442	2.04%	0.507%
15	20.439	6915	6922	6932	rVB7	8402	13240	1.26%	0.313%
16	21.013	7117	7124	7136	rVB6	9392	17545	1.67%	0.415%

Sum of corrected areas: 4226717

N4062501.D DFTPP.M Fri Jun 25 12:54:53 2004

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	-0.29
2		Pyridine	0.549	0.179	67.4#	26#	-0.14
3	T	2-Picoline	1.485	1.066	28.2#	58	-0.53#
4	T	Methyl methanesulfonate	0.835	0.750	10.2	72	-0.34
5	S	2-Fluorophenol	1.372	1.165	15.1	69	-0.36
6	T	Ethyl methanesulfonate	1.089	0.959	11.9	69	-0.28
7	T	Benzaldehyde	0.122	0.850	-596.7#	584#	-0.28
8	T	Aniline	0.810	0.781	3.6	76	-0.28
9	S	Phenol-d5	1.685	1.531	9.1	69	-0.29
10	CCC	Phenol	1.730	1.625	6.1	71	-0.29
11	T	Bis(2-chloroethyl)ether	1.027	0.904	12.0	69	-0.27
12	T	2-Chlorophenol	1.399	1.245	11.0	69	-0.29
13	T	1,3-Dichlorobenzene	1.606	1.448	9.8	70	-0.29
14	CCC	1,4-Dichlorobenzene	1.591	1.423	10.6	71	-0.29
15	T	1,2-Dichlorobenzene	1.504	1.369	9.0	70	-0.30
16	T	Benzyl alcohol	0.930	0.820	11.8	69	-0.29
17	T	Bis(2-chloroisopropyl)ether	2.006	1.854	7.6	72	-0.29
18	T	2-Methylphenol	1.111	1.000	10.0	69	-0.30
19	T	3&4-Methylphenol	1.312	1.185	9.7	68	-0.31
20	PC	N-Nitrosodi-n-propylamine	1.026	0.946	7.8	72	-0.30
21	T	N-Nitrosodimethylamine	0.206	0.096	53.4#	34#	-0.15
22	T	Hexachloroethane	0.551	0.501	9.1	70	-0.31
23	I	Naphthalene-d8	1.000	1.000	0.0	81	-0.35
24	S	Nitrobenzene-d5	0.413	0.383	7.3	73	-0.31
25	T	Acetophenone	0.525	0.497	5.3	71	-0.30
26	M	Nitrobenzene	0.407	0.383	5.9	73	-0.31
27	T	N-Nitrosopiperidine	0.200	0.176	12.0	69	-0.32
28	T	Isophorone	0.770	0.701	9.0	70	-0.32
29	CCC	2-Nitrophenol	0.215	0.184	14.4	69	-0.32
30	T	2,4-Dimethylphenol	0.352	0.291	17.3	63	-0.33
31	T	Bis(2-chloroethoxy)methane	0.436	0.385	11.7	68	-0.32
32	CCC	2,4-Dichlorophenol	0.329	0.284	13.7	68	-0.35
33	T	1,2,4-Trichlorobenzene	0.362	0.323	10.8	68	-0.34
34	T	Naphthalene	1.124	1.014	9.8	70	-0.35
35	T	Benzoic acid	0.078	0.000	100.0#	0#	-5.94#

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.312	0.276	11.5	69	-0.35
37	T	4-Chloroaniline	0.432	0.405	6.2	73	-0.35
38	CCC	Hexachlorobutadiene	0.213	0.190	10.8	70	-0.35
39	T	a,a-Dimethylphenethylamine	0.898	0.829	7.7	70	-0.56#
40	T	Caprolactam	0.194	0.165	14.9	71	-0.44
41	CCC	4-Chloro-3-methylphenol	0.332	0.297	10.5	70	-0.39
42	T	N-Nitrosodi-n-butylamine	0.305	0.253	17.0	69	-0.36
43	T	2-Methylnaphthalene	0.778	0.685	12.0	67	-0.39
44	T	1-Methylnaphthalene	0.775	0.696	10.2	68	-0.39
45	I	Acenaphthene-d10	1.000	1.000	0.0	78	-0.44
46	T	1,2,4,5-Tetrachlorobenzene	0.649	0.587	9.6	68	-0.40
47	PC	Hexachlorocyclopentadiene	0.240	0.099	58.7#	35#	-0.39
48	CCC	2,4,6-Trichlorophenol	0.398	0.366	8.0	70	-0.41
49	T	2,4,5-Trichlorophenol	0.392	0.390	0.5	75	-0.44
50	S	2-Fluorobiphenyl	1.502	1.364	9.2	67	-0.41
51	T	Biphenyl	1.706	1.593	6.6	68	-0.41
52	T	2-Chloronaphthalene	1.184	1.099	7.2	68	-0.42
53	T	1-Chloronaphthalene	1.127	1.052	6.7	68	-0.42
54	T	2-Nitroaniline	0.375	0.340	9.3	69	-0.42
55	T	3-Nitroaniline	0.347	0.305	12.1	68	-0.45
56	T	Pentachlorobenzene	0.543	0.496	8.7	68	-0.45
57	T	4-Nitroaniline	0.349	0.307	12.0	66	-0.49
58	T	2-Naphthylamine	0.999	1.028	-2.9	78	-0.47
59	T	1-Naphthylamine	1.086	1.091	-0.5	71	-0.46
60	T	Dimethyl phthalate	1.404	1.258	10.4	67	-0.42
61	T	Acenaphthylene	1.725	1.571	8.9	67	-0.44
62	T	2,6-Dinitrotoluene	0.307	0.266	13.4	66	-0.43
63	CCC	Acenaphthene	1.154	1.039	10.0	67	-0.45
64	PC	2,4-Dinitrophenol	0.105	0.091	13.3	107	-0.45
65	T	Dibenzofuran	1.733	1.557	10.2	66	-0.45
66	PC	4-Nitrophenol	0.267	0.233	12.7	64	-0.51#
67	M	2,4-Dinitrotoluene	0.397	0.353	11.1	68	-0.45
68	T	2,3,4,6-Tetrachlorophenol	0.325	0.314	3.4	75	-0.47
69	T	Diethyl phthalate	1.364	1.259	7.7	68	-0.45
70	T	Fluorene	1.431	1.320	7.8	67	-0.47

(#) = Out of Range

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.691	0.629	9.0	66	-0.45
72	S	2,4,6-Tribromophenol	0.201	0.190	5.5	72	-0.48
73	I	Phenanthrene-d10	1.000	1.000	0.0	78	-0.50
74	T	4,6-Dinitro-2-methylphenol	0.135	0.106	21.5#	68	-0.48
75	T	Azobenzene	0.780	0.747	4.2	70	-0.47
76	T	1,2-Diphenylhydrazine	0.241	0.213	11.6	66	-0.47
77	CCC	Diphenylamine	0.167	0.153	8.4	68	-0.48
78	T	N-Nitrosodiphenylamine	0.789	0.730	7.5	68	-0.47
79	T	4-Bromophenyl phenyl ether	0.260	0.231	11.2	67	-0.47
80	T	Phenacetin	0.394	0.355	9.9	67	-0.49
81	T	Hexachlorobenzene	0.270	0.244	9.6	67	-0.48
82	T	Atrazine	0.255	0.230	9.8	66	-0.49
83	T	4-Aminobiphenyl	0.652	0.812	-24.5#	100	-0.49
84	CCC	Pentachlorophenol	0.114	0.127	-11.4	102	-0.50
85	T	Pentachloronitrobenzene	0.095	0.086	9.5	67	-0.49
86	T	Pronamide	0.355	0.317	10.7	67	-0.48
87	T	Phenanthrene	1.187	1.074	9.5	66	-0.51#
88	T	Anthracene	1.191	1.067	10.4	66	-0.51#
89	T	Carbazole	1.175	1.021	13.1	64	-0.50#
90	T	Di-n-butyl phthalate	1.331	1.224	8.0	68	-0.47
91	CCC	Fluoranthene	1.416	1.257	11.2	65	-0.52#
92	I	Chrysene-d12	1.000	1.000	0.0	76	-0.54#
93	T	Pyrene	1.372	1.229	10.4	65	-0.53#
94	S	4-Terphenyl-d14	1.061	0.938	11.6	65	-0.51#
95	T	Benzidine	0.184	0.514	-179.3#	306#	-0.51#
96	T	Dimethylaminoazobenzene	0.312	0.257	17.6	62	-0.51#
97	T	Butyl benzyl phthalate	0.588	0.514	12.6	66	-0.50
98	T	Benz(a)anthracene	1.397	1.207	13.6	63	-0.54#
99	T	3,3'-Dichlorobenzidine	0.419	0.427	-1.9	78	-0.52#
100	T	Chrysene	1.262	1.102	12.7	64	-0.54#
101	T	Bis(2-ethylhexyl)phthalate	0.777	0.686	11.7	66	-0.49
102	CCC	Di-n-octyl phthalate	1.410	1.215	13.8	64	-0.49
103	T	3-Methylchlolanthrene	0.682	0.560	17.9	60	-0.56#
104	T	Indeno[1,2,3-cd]pyrene	1.555	1.339	13.9	64	-0.72#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	75	-0.55#
106	T	Benzo[b]fluoranthene	1.664	1.435	13.8	61	-0.56#
107	T	Benzo[k]fluoranthene	1.610	1.469	8.8	64	-0.57#
108	CCC	Benzo[a]pyrene	1.554	1.332	14.3	61	-0.56#
109	T	Dibenz(a,j)acridine	1.342	1.141	15.0	63	-0.66#
110	T	Dibenz(a,h)anthracene	1.490	1.321	11.3	64	-0.71#
111	T	Benzo[g,h,i]perylene	1.568	1.364	13.0	64	-0.77#

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.41	152	85741	40.00	ng	-0.29
23) Naphthalene-d8	5.84	136	300652	40.00	ng	-0.35
45) Acenaphthene-d10	8.48	164	176656	40.00	ng	-0.44
73) Phenanthrene-d10	11.27	188	304292	40.00	ng	-0.50
92) Chrysene-d12	16.83	240	315806	40.00	ng	-0.54
105) Perylene-d12	19.65	264	263170	40.00	ng	-0.55
System Monitoring Compounds						
5) 2-Fluorophenol	3.01	112	49934	16.98	ng	-0.36
Spiked Amount 100.000	Range 21 - 110		Recovery = 16.98%#			
9) Phenol-d5	4.16	99	65633	18.17	ng	-0.29
Spiked Amount 100.000	Range 10 - 110		Recovery = 18.17%			
24) Nitrobenzene-d5	5.04	82	57606	18.54	ng	-0.31
Spiked Amount 50.000	Range 34 - 114		Recovery = 37.08%			
50) 2-Fluorobiphenyl	7.37	172	120522	18.17	ng	-0.41
Spiked Amount 50.000	Range 43 - 116		Recovery = 36.34%#			
72) 2,4,6-Tribromophenol	9.95	330	16751	18.91	ng	-0.48
Spiked Amount 100.000	Range 10 - 123		Recovery = 18.91%			
94) 4-Terphenyl-d14	14.67	244	148177	17.70	ng	-0.51
Spiked Amount 50.000	Range 33 - 141		Recovery = 35.40%			
Target Compounds						Qvalue
2) Pyridine	0.90	79	7688	6.53	ng	# 1
3) 2-Picoline	1.81	93	45715	14.36	ng	# 48
4) Methyl methanesulfonate	2.77	80	32169	17.97	ng	97
6) Ethyl methanesulfonate	3.70	79	41094	17.61	ng	99
7) Benzaldehyde	3.97	105	36455	138.97	ng	98
8) Aniline	4.13	66	33489	19.29	ng	95
10) Phenol	4.17	94	69647	18.78	ng	86
11) Bis(2-chloroethyl)ether	4.20	63	38751	17.60	ng	92
12) 2-Chlorophenol	4.24	128	53385	17.80	ng	99
13) 1,3-Dichlorobenzene	4.37	146	62063	18.03	ng	99
14) 1,4-Dichlorobenzene	4.43	146	61006	17.88	ng	98
15) 1,2-Dichlorobenzene	4.63	146	58672	18.19	ng	98
16) Benzyl alcohol	4.61	108	35171	17.65	ng	96
17) Bis(2-chloroisopropyl)ethe	4.77	45	79478	18.48	ng	97
18) 2-Methylphenol	4.77	107	42887	18.02	ng	# 1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	4.92	107	101578	36.13	ng	#	72
20)	N-Nitrosodi-n-propylamine	4.91	70	40557	18.45	ng		97
21)	N-Nitrosodimethylamine	0.90	42	4125	9.32	ng	#	64
22)	Hexachloroethane	4.95	117	21470	18.19	ng		97
25)	Acetophenone	4.87	105	149372	37.88	ng		99
26)	Nitrobenzene	5.06	77	57621	18.83	ng		97
27)	N-Nitrosopiperidine	5.22	114	26403	17.52	ng		94
28)	Isophorone	5.31	82	105412	18.22	ng		99
29)	2-Nitrophenol	5.42	139	27704	17.18	ng		95
30)	2,4-Dimethylphenol	5.48	122	43796	16.54	ng	#	100
31)	Bis(2-chloroethoxy)methane	5.58	93	57860	17.64	ng		99
32)	2,4-Dichlorophenol	5.70	162	42733	17.28	ng		99
33)	1,2,4-Trichlorobenzene	5.79	180	48529	17.84	ng		99
34)	Naphthalene	5.86	128	152363	18.03	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	5.97	162	41489	17.69	ng		98
37)	4-Chloroaniline	5.96	127	60955	18.79	ng		99
38)	Hexachlorobutadiene	6.09	225	28592	17.84	ng		98
39)	a,a-Dimethylphenethylamine	5.68	58	124668m	18.47	ng		
40)	Caprolactam	6.35	55	24820m	17.00	ng		
41)	4-Chloro-3-methylphenol	6.63	107	44691	17.93	ng		99
42)	N-Nitrosodi-n-butylamine	6.42	84	38053	16.60	ng		86
43)	2-Methylnaphthalene	6.78	142	102986	17.62	ng		99
44)	1-Methylnaphthalene	6.94	142	104669	17.97	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.09	216	51831	18.08	ng		99
47)	Hexachlorocyclopentadiene	7.12	237	8778	8.29	ng	#	89
48)	2,4,6-Trichlorophenol	7.25	196	32322	18.40	ng		100
49)	2,4,5-Trichlorophenol	7.32	196	34411	19.89	ng		99
51)	Biphenyl	7.50	154	140730	18.68	ng		99
52)	2-Chloronaphthalene	7.51	162	97079m	18.56	ng		
53)	1-Chloronaphthalene	7.56	162	92936	18.67	ng		98
54)	2-Nitroaniline	7.75	65	29999	18.11	ng		97
55)	3-Nitroaniline	8.46	138	26971	17.62	ng		94
56)	Pentachlorobenzene	8.86	250	43816	18.28	ng		99
57)	4-Nitroaniline	9.59	138	27105	17.56	ng		96
58)	2-Naphthylamine	8.97	143	90809	20.58	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.11	143	96386	20.10	ng		100
60)	Dimethyl phthalate	8.11	163	111157	17.93	ng		99
61)	Acenaphthylene	8.21	152	138756	18.22	ng		99
62)	2,6-Dinitrotoluene	8.22	165	23493	17.32	ng		94
63)	Acenaphthene	8.53	154	91745	18.00	ng		99
64)	2,4-Dinitrophenol	8.64	184	8020	28.47	ng		89
65)	Dibenzofuran	8.82	168	137528	17.97	ng		75
66)	4-Nitrophenol	8.83	65	20576	17.47	ng	#	1
67)	2,4-Dinitrotoluene	8.92	165	31163	17.78	ng		89
68)	2,3,4,6-Tetrachlorophenol	9.15	232	27731	19.33	ng		99
69)	Diethyl phthalate	9.41	149	111243	18.47	ng		98
70)	Fluorene	9.45	166	116596	18.45	ng		100
71)	4-Chlorophenyl phenyl ethe	9.48	204	55575	18.20	ng		97
74)	4,6-Dinitro-2-methylphenol	9.68	198	16104	15.64	ng		94
75)	Azobenzene	9.78	77	113637	19.15	ng		97
76)	1,2-Diphenylhydrazine	9.78	182	32459	17.72	ng	#	89
77)	Diphenylamine	9.72	170	23337	18.34	ng	#	92
78)	N-Nitrosodiphenylamine	9.72	168	111002	18.50	ng		96
79)	4-Bromophenyl phenyl ether	10.41	248	35074	17.77	ng		97
80)	Phenacetin	10.43	108	54073	18.05	ng		99
81)	Hexachlorobenzene	10.68	284	37050	18.02	ng		98
82)	Atrazine	10.88	200	34937	18.02	ng		99
83)	4-Aminobiphenyl	10.95	169	123489	24.91	ng		100
84)	Pentachlorophenol	11.06	266	19328	22.21	ng		99
85)	Pentachloronitrobenzene	11.21	237	13055	18.08	ng		97
86)	Pronamide	11.20	173	48240	17.85	ng		99
87)	Phenanthrene	11.32	178	163345	18.09	ng		99
88)	Anthracene	11.41	178	162292	17.92	ng		98
89)	Carbazole	11.78	167	155272	17.38	ng		99
90)	Di-n-butyl phthalate	12.70	149	186156	18.38	ng		99
91)	Fluoranthene	13.78	202	191188	17.75	ng		98
93)	Pyrene	14.24	202	194119	17.92	ng		99
95)	Benzidine	14.13	184	81238	51.67	ng		97
96)	Dimethylaminoazobenzene	15.01	225	40529	16.46	ng		97
97)	Butyl benzyl phthalate	15.83	149	81197	17.49	ng		99
98)	Benz(a)anthracene	16.79	228	190625	17.29	ng		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

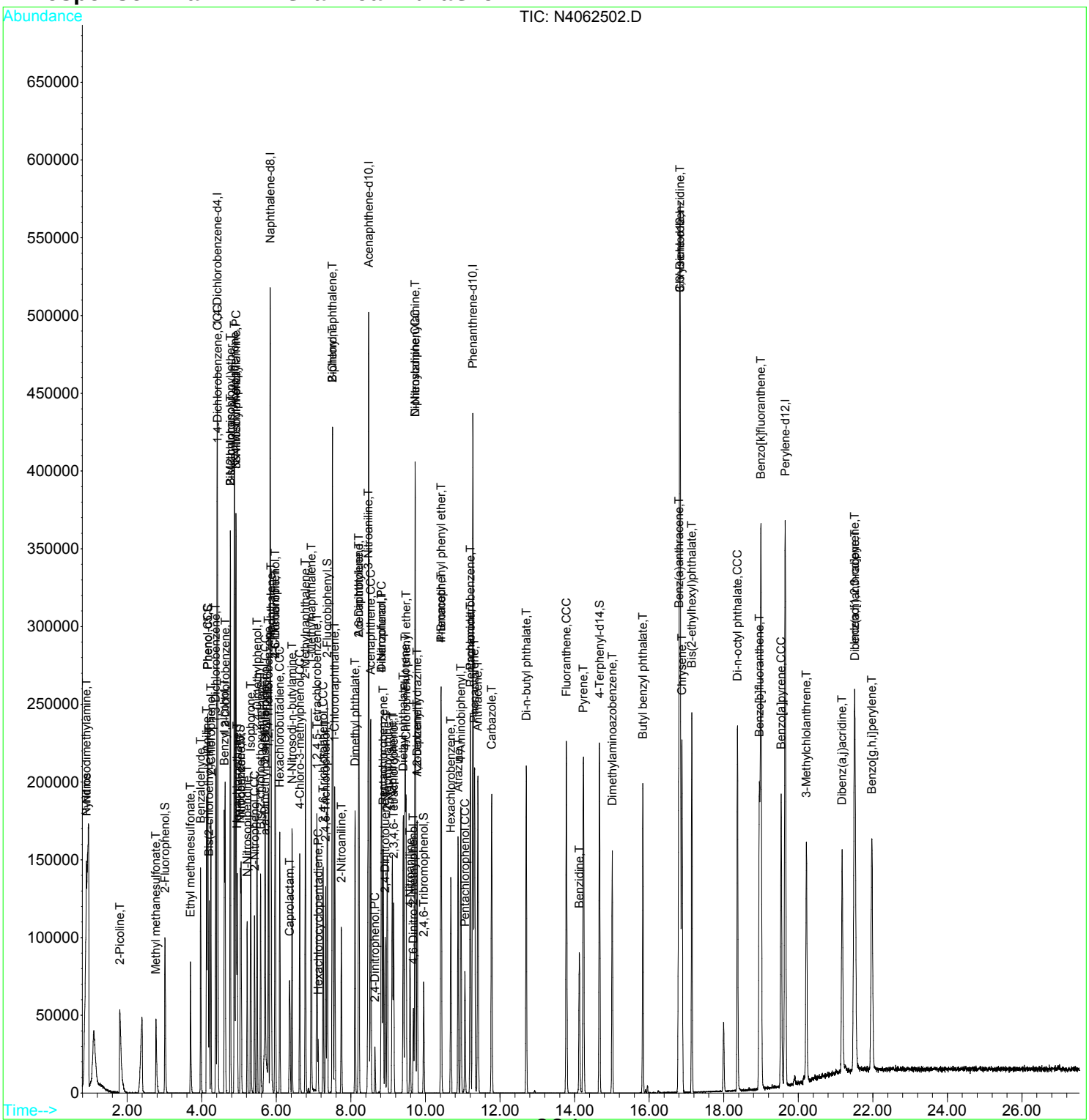
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.82	252	67414	20.36	ng		99
100)	Chrysene	16.88	228	173956	17.46	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.14	149	108275	17.65	ng		98
102)	Di-n-octyl phthalate	18.37	149	191779	17.23	µg		99
103)	3-Methylchlolanthrene	20.22	268	88368	16.41	µg		98
104)	Indeno[1,2,3-cd]pyrene	21.50	276	211359	17.22	ng	#	96
106)	Benzo[b]fluoranthene	18.96	252	188817	17.24	ng		85
107)	Benzo[k]fluoranthene	19.00	252	193236m	18.24	ng		
108)	Benzo[a]pyrene	19.54	252	175314	17.15	ng		98
109)	Dibenz(a,j)acridine	21.18	279	150079	17.00	ng		99
110)	Dibenz(a,h)anthracene	21.53	278	173858	17.74	ng		98
111)	Benzo[g,h,i]perylene	21.97	276	179547	17.40	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:19 2004 Quant Results File: BADD5CA.RES

Quant Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : BNA ADDITIONAL CMPDS CUR 03/31/03 5COMPS
Last Update : Fri Jun 25 14:19:12 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

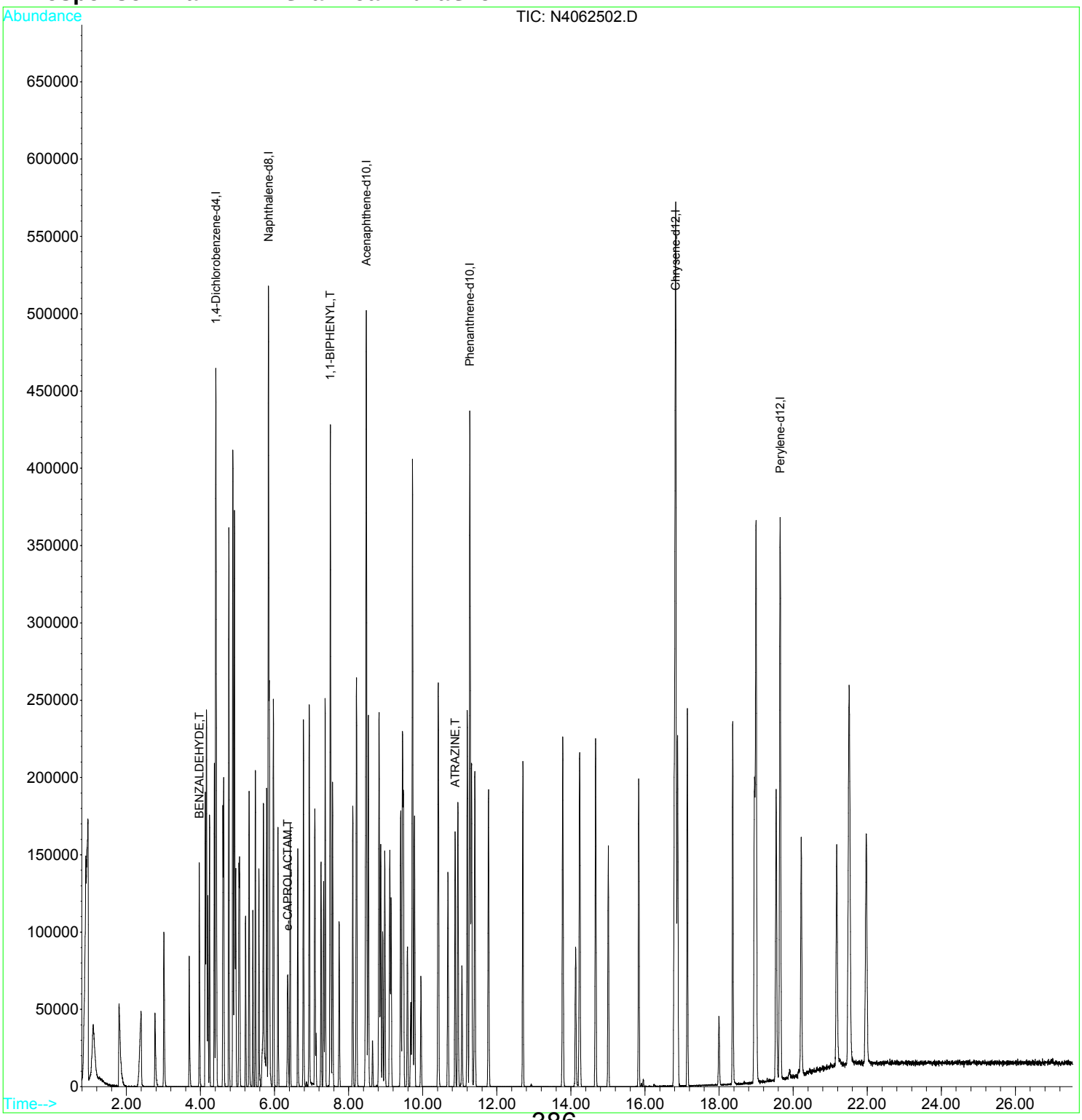
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.41	152	85741	40.00	ng	0.00
4) Naphthalene-d8	5.84	136	300652	40.00	ng	0.00
7) Acenaphthene-d10	8.48	164	176656	40.00	ng	0.00
9) Phenanthrene-d10	11.27	188	304292	40.00	ng	0.00
10) Chrysene-d12	16.83	240	315806	40.00	ng	0.00
11) Perylene-d12	19.65	264	263170	40.00	ng	0.00
Target Compounds						Qvalue
2) BENZALDEHYDE	3.97	105	36455	16.04	ng	100
3) ACETOPHENONE	0.00	105	0	N.D.	d	
5) e-CAPROLACTAM	6.35	55	24708	24.09	ng	100
6) 1,1-BIPHENYL	7.50	154	140730	20.06	ng	100
8) ATRAZINE	10.88	200	34937	17.36	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:19 2004 Quant Results File: BADD5CA.RES

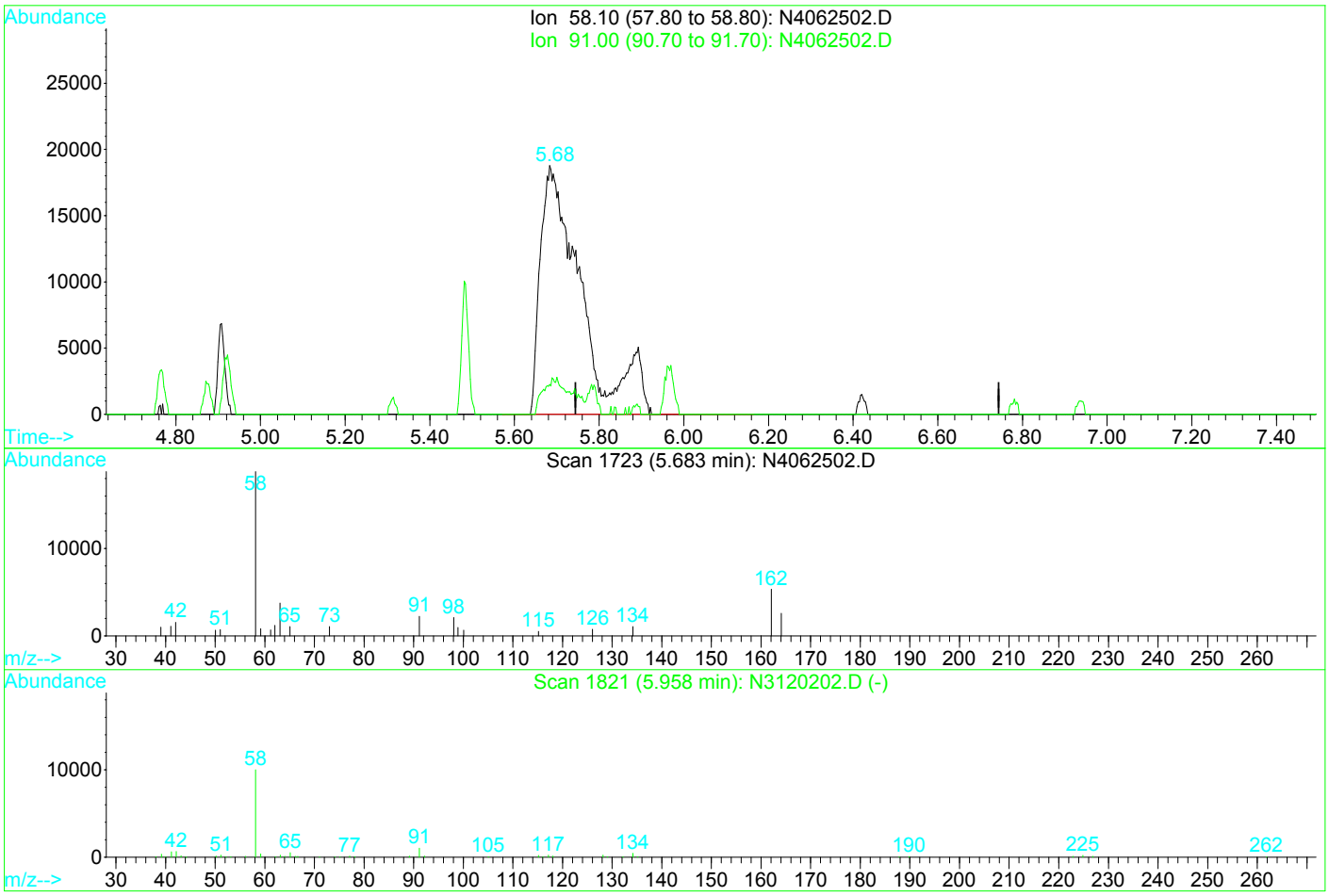
Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : BNA ADDITIONAL CMPDS CUR 03/31/03 5COMPS
Last Update : Fri Jun 25 14:19:12 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:57 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062502.D

(39) a,a-Dimethylphenethylamine (T)

5.68min 18.47ng m

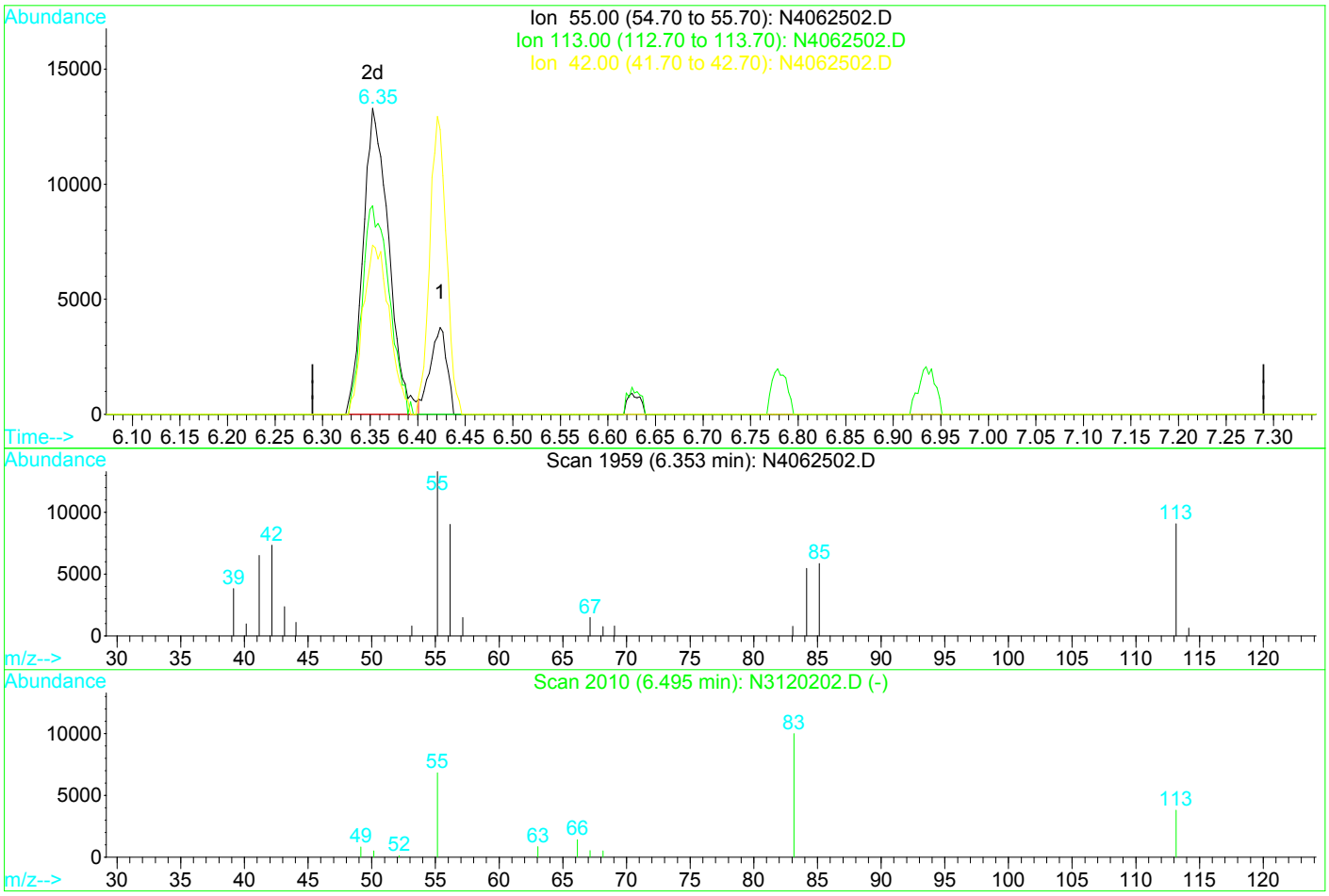
response 124668

Ion	Exp%	Act%
58.10	100	100
91.00	1.00	4.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:58 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062502.D

(40) Caprolactam (T)

6.35min 17.00ng m

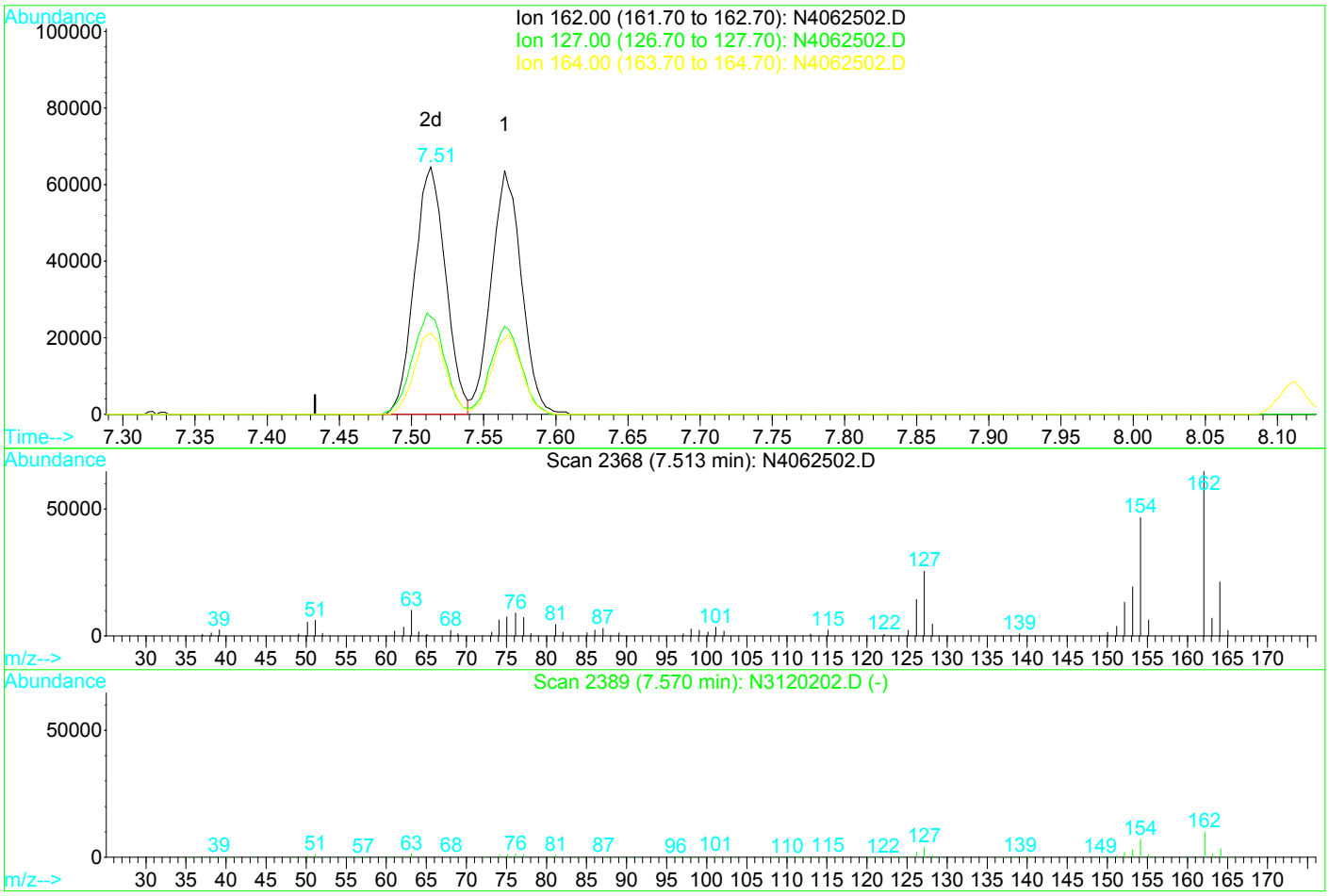
response 24820

Ion	Exp%	Act%
55.00	100	100
113.00	65.00	0.00#
42.00	95.00	63.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:58 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062502.D

(52) 2-Chloronaphthalene (T)

7.51min 18.56ng m

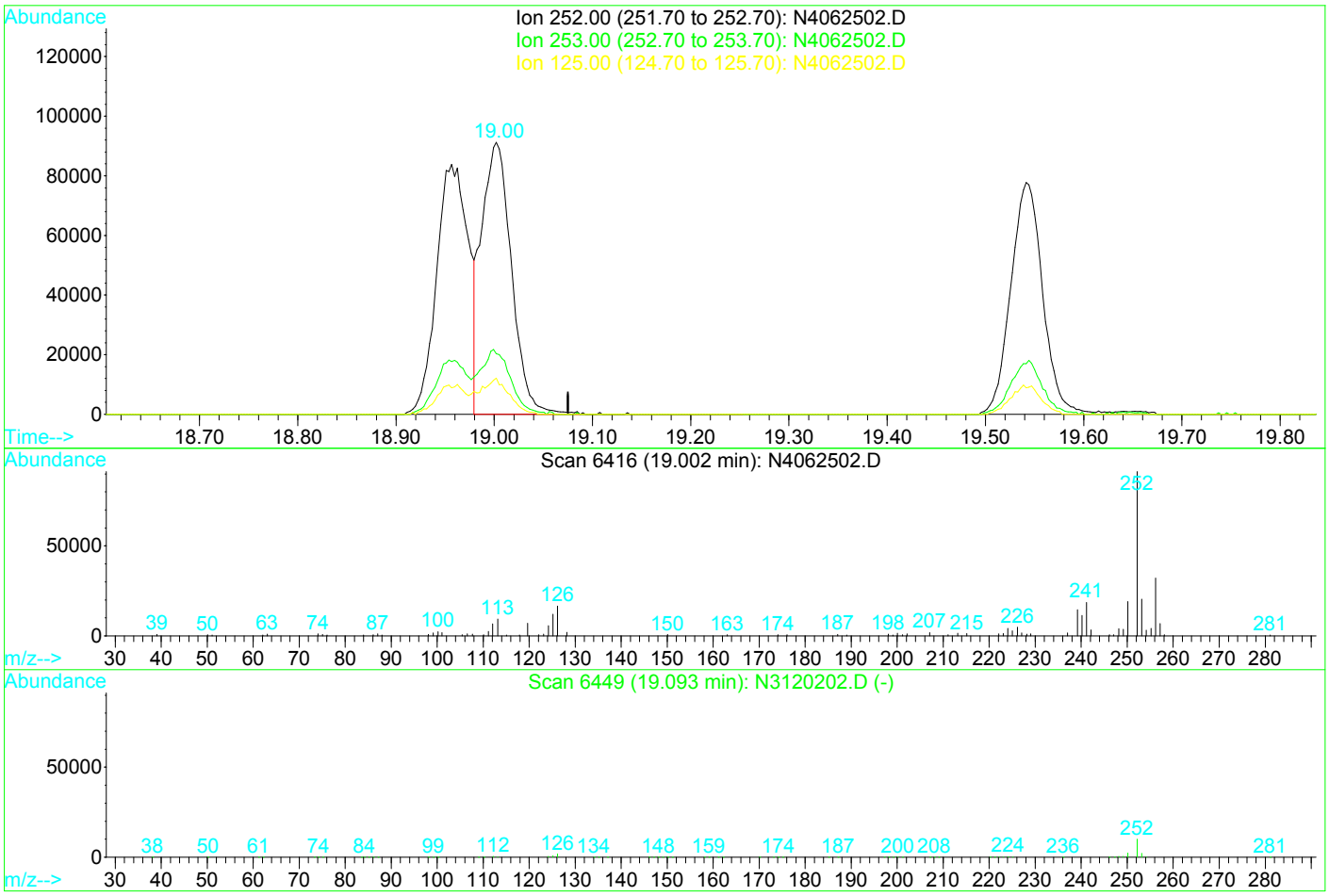
response 97079

Ion	Exp%	Act%
162.00	100	100
127.00	42.40	35.04
164.00	33.30	31.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062502.D Vial: 2
Acq On : 25 Jun 2004 9:14 am Operator: BP
Sample : BNA 20 2238 Inst : GC/MS #6
Misc : CCV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 12:59 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062502.D

(107) Benzo[k]fluoranthene (T)

19.00min 18.24ng m

response 193236

Ion	Exp%	Act%
252.00	100	100
253.00	15.40	20.72
125.00	11.80	6.04
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062506.D Vial: 6
Acq On : 25 Jun 2004 11:03 am Operator: BP
Sample : MB-47087 Inst : GC/MS #6
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:38 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.42	152	69526	40.00	ng	-0.28
23) Naphthalene-d8	5.84	136	246740	40.00	ng	-0.35
45) Acenaphthene-d10	8.48	164	142647	40.00	ng	-0.44
73) Phenanthrene-d10	11.27	188	252687	40.00	ng	-0.50
92) Chrysene-d12	16.83	240	257397	40.00	ng	-0.54
105) Perylene-d12	19.65	264	244829	40.00	ng	-0.54
System Monitoring Compounds						
5) 2-Fluorophenol	3.02	112	146225	61.32	ng	-0.36
Spiked Amount 100.000	Range 21 - 110		Recovery = 61.32%			
9) Phenol-d5	4.16	99	138716	47.36	ng	-0.29
Spiked Amount 100.000	Range 10 - 110		Recovery = 47.36%			
24) Nitrobenzene-d5	5.04	82	116305	45.61	ng	-0.31
Spiked Amount 50.000	Range 34 - 114		Recovery = 91.22%			
50) 2-Fluorobiphenyl	7.37	172	234323	43.75	ng	-0.41
Spiked Amount 50.000	Range 43 - 116		Recovery = 87.50%			
72) 2,4,6-Tribromophenol	9.97	330	75787	105.93	ng	-0.47
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.93%			
94) 4-Terphenyl-d14	14.67	244	323588	47.41	ng	-0.51
Spiked Amount 50.000	Range 33 - 141		Recovery = 94.82%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.	d	
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062506.D Vial: 6
Acq On : 25 Jun 2004 11:03 am Operator: BP
Sample : MB-47087 Inst : GC/MS #6
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:38 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	3&4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	d
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D.	d
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062506.D Vial: 6
Acq On : 25 Jun 2004 11:03 am Operator: BP
Sample : MB-47087 Inst : GC/MS #6
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:38 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D. d	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062506.D Vial: 6
Acq On : 25 Jun 2004 11:03 am Operator: BP
Sample : MB-47087 Inst : GC/MS #6
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:38 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

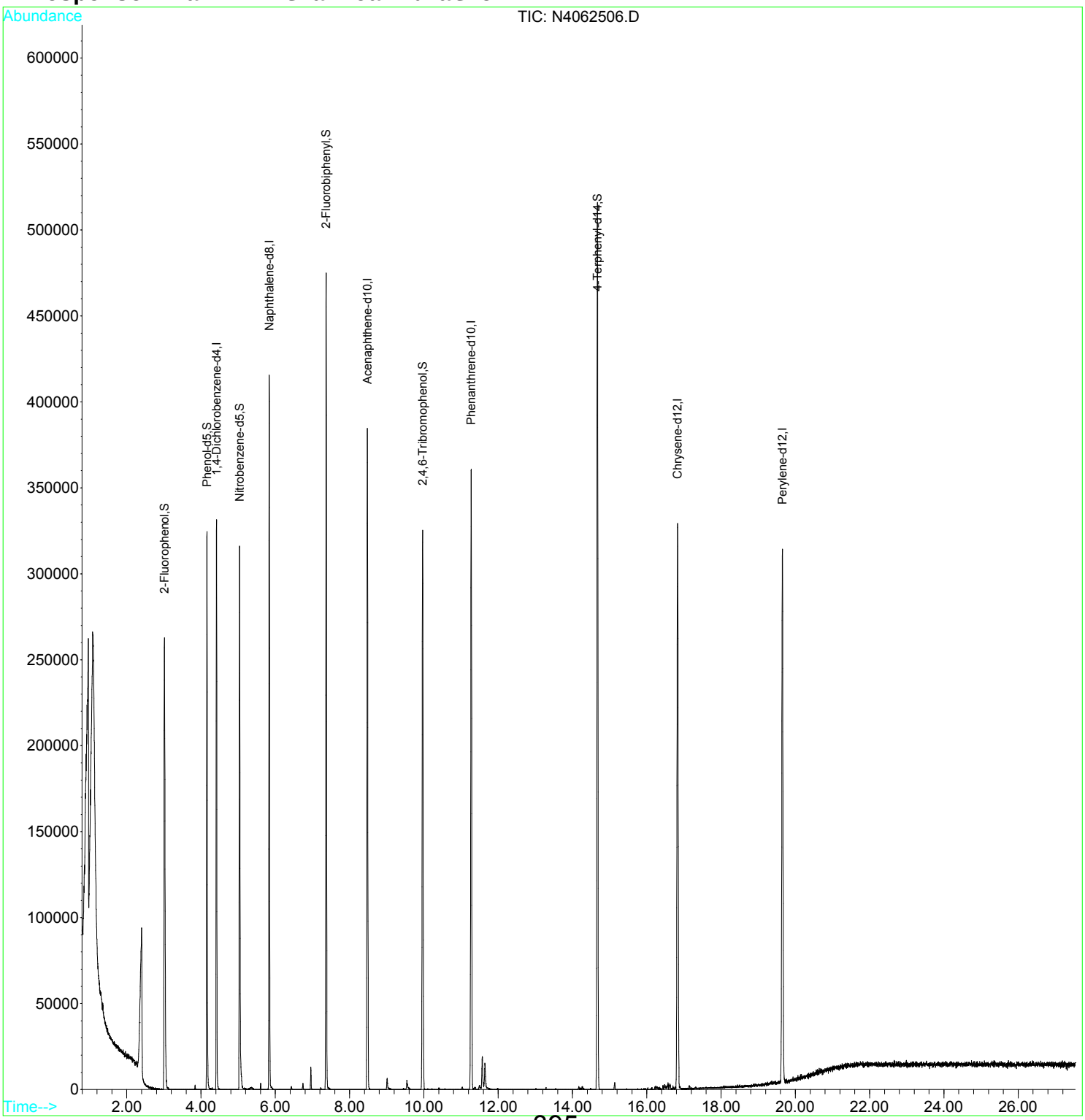
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylchlolanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062506.D Vial: 6
Acq On : 25 Jun 2004 11:03 am Operator: BP
Sample : MB-47087 Inst : GC/MS #6
Misc : MBLK 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:38 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:41 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.42	152	71780	40.00	ng	-0.28
23) Naphthalene-d8	5.84	136	250279	40.00	ng	-0.34
45) Acenaphthene-d10	8.48	164	150824	40.00	ng	-0.44
73) Phenanthrene-d10	11.27	188	263991	40.00	ng	-0.50
92) Chrysene-d12	16.83	240	270050	40.00	ng	-0.53
105) Perylene-d12	19.65	264	251438	40.00	ng	-0.54
System Monitoring Compounds						
5) 2-Fluorophenol	3.01	112	138165	56.12	ng	-0.36
Spiked Amount 100.000	Range 21 - 110		Recovery = 56.12%			
9) Phenol-d5	4.15	99	131409	43.45	ng	-0.29
Spiked Amount 100.000	Range 10 - 110		Recovery = 43.45%			
24) Nitrobenzene-d5	5.04	82	116258	44.95	ng	-0.31
Spiked Amount 50.000	Range 34 - 114		Recovery = 89.90%			
50) 2-Fluorobiphenyl	7.37	172	245916	43.43	ng	-0.41
Spiked Amount 50.000	Range 43 - 116		Recovery = 86.86%			
72) 2,4,6-Tribromophenol	9.96	330	79654	105.29	ng	-0.48
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.29%			
94) 4-Terphenyl-d14	14.67	244	326796	45.64	ng	-0.50
Spiked Amount 50.000	Range 33 - 141		Recovery = 91.28%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.17	94	137721	44.36	ng	86
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	4.25	128	200769	79.95	ng	100
13) 1,3-Dichlorobenzene	0.00	146	0	N.D. d		
14) 1,4-Dichlorobenzene	4.43	146	197765	69.25	ng	99
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:41 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 3&4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	4.91	70	172275	93.61 ng	99
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	5.79	180	170110	75.14 ng	99
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D. d	
41) 4-Chloro-3-methylphenol	6.62	107	196166	94.52 ng	99
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D. d	
44) 1-Methylnaphthalene	0.00	142	0	N.D. d	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:41 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D. d	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	8.54	154	369890	85.02 ng	100
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	8.82	65	48137m	47.87 ng	
67) 2,4-Dinitrotoluene	8.92	165	137232	91.71 ng	89
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D. d	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D. d	
83) 4-Aminobiphenyl	0.00	169	0	N.D. d	
84) Pentachlorophenol	11.06	266	100522	133.16 ng	98
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	14.25	202	834827	90.13 ng	99
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:41 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

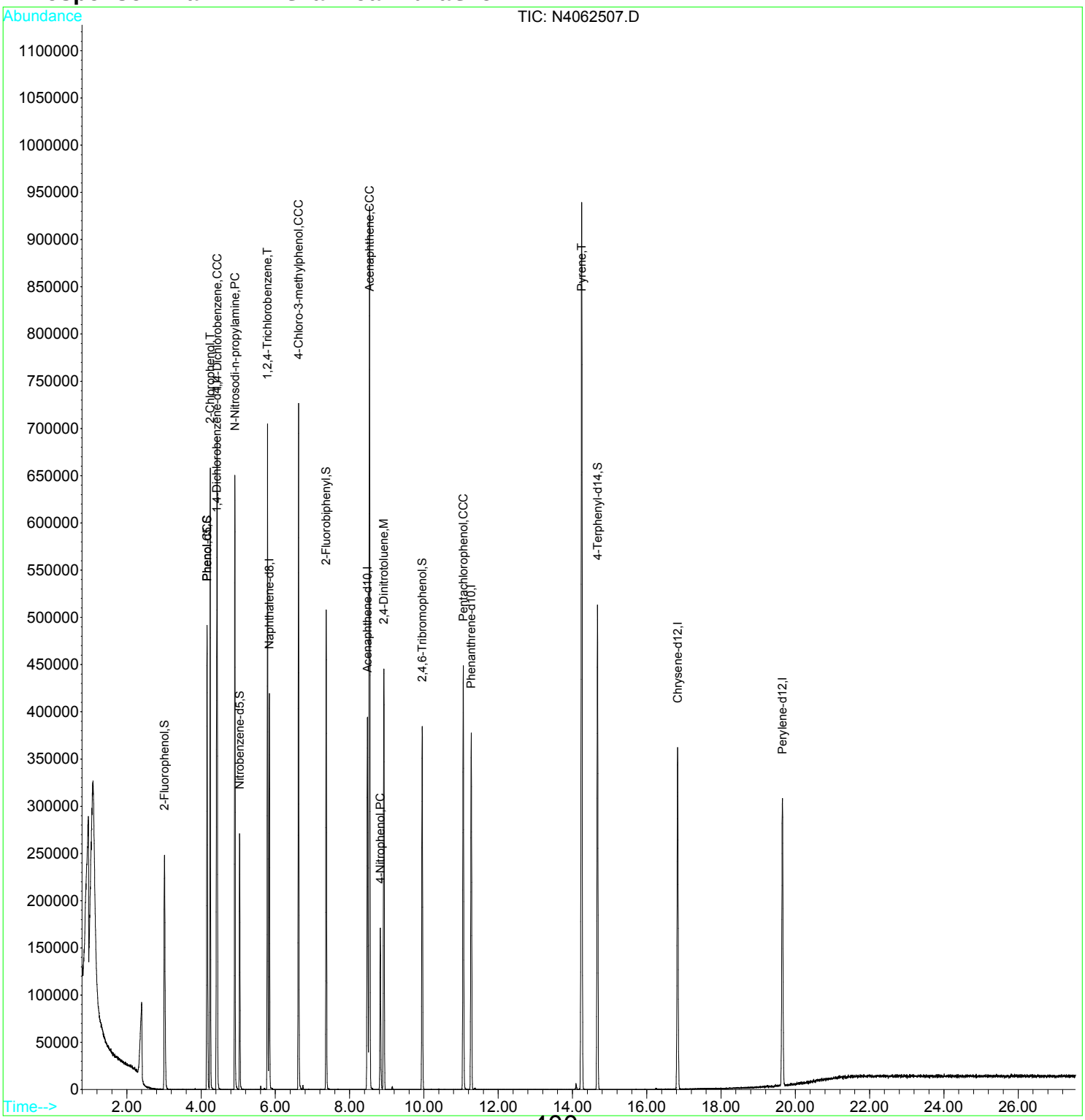
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:41 2004 Quant Results File: B030404.RES

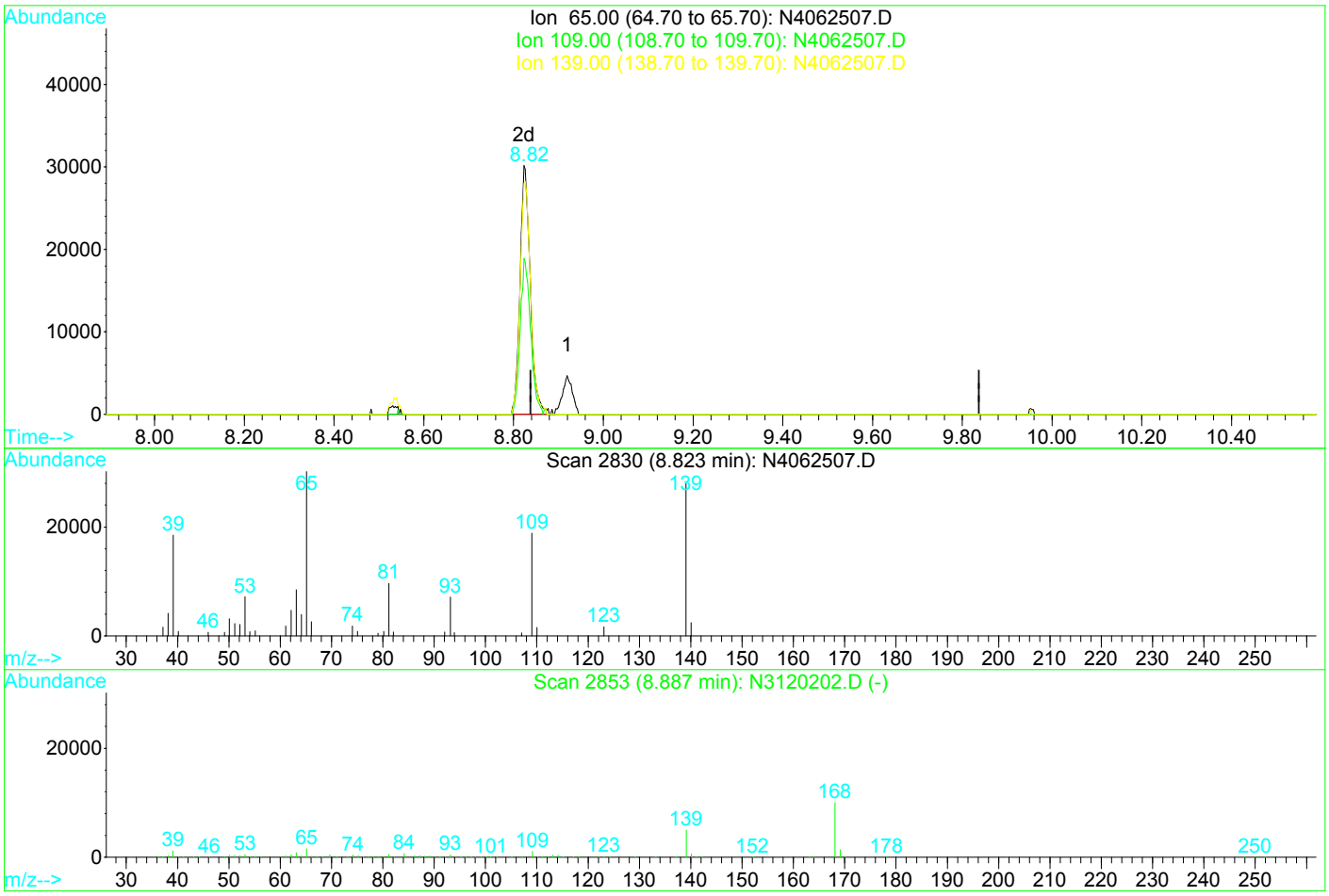
Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062507.D Vial: 7
Acq On : 25 Jun 2004 11:39 am Operator: BP
Sample : LCS-47087 Inst : GC/MS #6
Misc : LCS 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:40 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062507.D

(66) 4-Nitrophenol (PC)

8.82min 47.87ng m

response 48137

Ion	Exp%	Act%
65.00	100	100
109.00	7.00	0.00
139.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.42	152	65079	40.00	ng	-0.28
23) Naphthalene-d8	5.84	136	205869	40.00	ng	-0.35
45) Acenaphthene-d10	8.48	164	130453	40.00	ng	-0.44
73) Phenanthrene-d10	11.28	188	216123	40.00	ng	-0.49
92) Chrysene-d12	16.83	240	270551	40.00	ng	-0.54
105) Perylene-d12	19.66	264	304258	40.00	ng	-0.54
System Monitoring Compounds						
5) 2-Fluorophenol	3.02	112	73246	32.81	ng	-0.35
Spiked Amount 100.000	Range 21 - 110		Recovery = 32.81%			
9) Phenol-d5	4.16	99	71890	26.22	ng	-0.29
Spiked Amount 100.000	Range 10 - 110		Recovery = 26.22%			
24) Nitrobenzene-d5	5.04	82	65198	30.64	ng	-0.31
Spiked Amount 50.000	Range 34 - 114		Recovery = 61.28%			
50) 2-Fluorobiphenyl	7.37	172	119277	24.35	ng	-0.40
Spiked Amount 50.000	Range 43 - 116		Recovery = 48.70%			
72) 2,4,6-Tribromophenol	9.96	330	42241	64.56	ng	-0.47
Spiked Amount 100.000	Range 10 - 123		Recovery = 64.56%			
94) 4-Terphenyl-d14	14.67	244	167696	23.38	ng	-0.50
Spiked Amount 50.000	Range 33 - 141		Recovery = 46.76%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	3.97	105	49532	248.76	ng	98
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.	d	
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	4.61	108	34238	22.64	ng	94
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.	d	
18) 2-Methylphenol	0.00	107	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	3&4-Methylphenol	0.00	107	0	N.D. d	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D. d	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D. d	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D. d	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D. d	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D. d	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D. d	
40)	Caprolactam	0.00	55	0	N.D. d	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D. d	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D. d	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D. d	
55)	3-Nitroaniline	0.00	138	0	N.D. d	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D. d	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.		
60)	Dimethyl phthalate	0.00	163	0	N.D.	d	
61)	Acenaphthylene	0.00	152	0	N.D.		
62)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
63)	Acenaphthene	0.00	154	0	N.D.		
64)	2,4-Dinitrophenol	0.00	184	0	N.D.		
65)	Dibenzofuran	0.00	168	0	N.D.	d	
66)	4-Nitrophenol	8.61	65	24282m	27.92 ng		
67)	2,4-Dinitrotoluene	0.00	165	0	N.D.	d	
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.		
69)	Diethyl phthalate	0.00	149	0	N.D.		
70)	Fluorene	0.00	166	0	N.D.		
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.		
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
75)	Azobenzene	0.00	77	0	N.D.	d	
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.	d	
77)	Diphenylamine	0.00	170	0	N.D.	d	
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.		
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.		
80)	Phenacetin	0.00	108	0	N.D.		
81)	Hexachlorobenzene	0.00	284	0	N.D.		
82)	Atrazine	0.00	200	0	N.D.		
83)	4-Aminobiphenyl	0.00	169	0	N.D.		
84)	Pentachlorophenol	0.00	266	0	N.D.		
85)	Pentachloronitrobenzene	0.00	237	0	N.D.		
86)	Pronamide	0.00	173	0	N.D.	d	
87)	Phenanthrene	0.00	178	0	N.D.	d	
88)	Anthracene	0.00	178	0	N.D.	d	
89)	Carbazole	0.00	167	0	N.D.		
90)	Di-n-butyl phthalate	0.00	149	0	N.D.		
91)	Fluoranthene	0.00	202	0	N.D.		
93)	Pyrene	0.00	202	0	N.D.		
95)	Benzidine	13.97	184	235908	150.11 ng	#	88
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.		
97)	Butyl benzyl phthalate	0.00	149	0	N.D.		
98)	Benz(a)anthracene	0.00	228	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

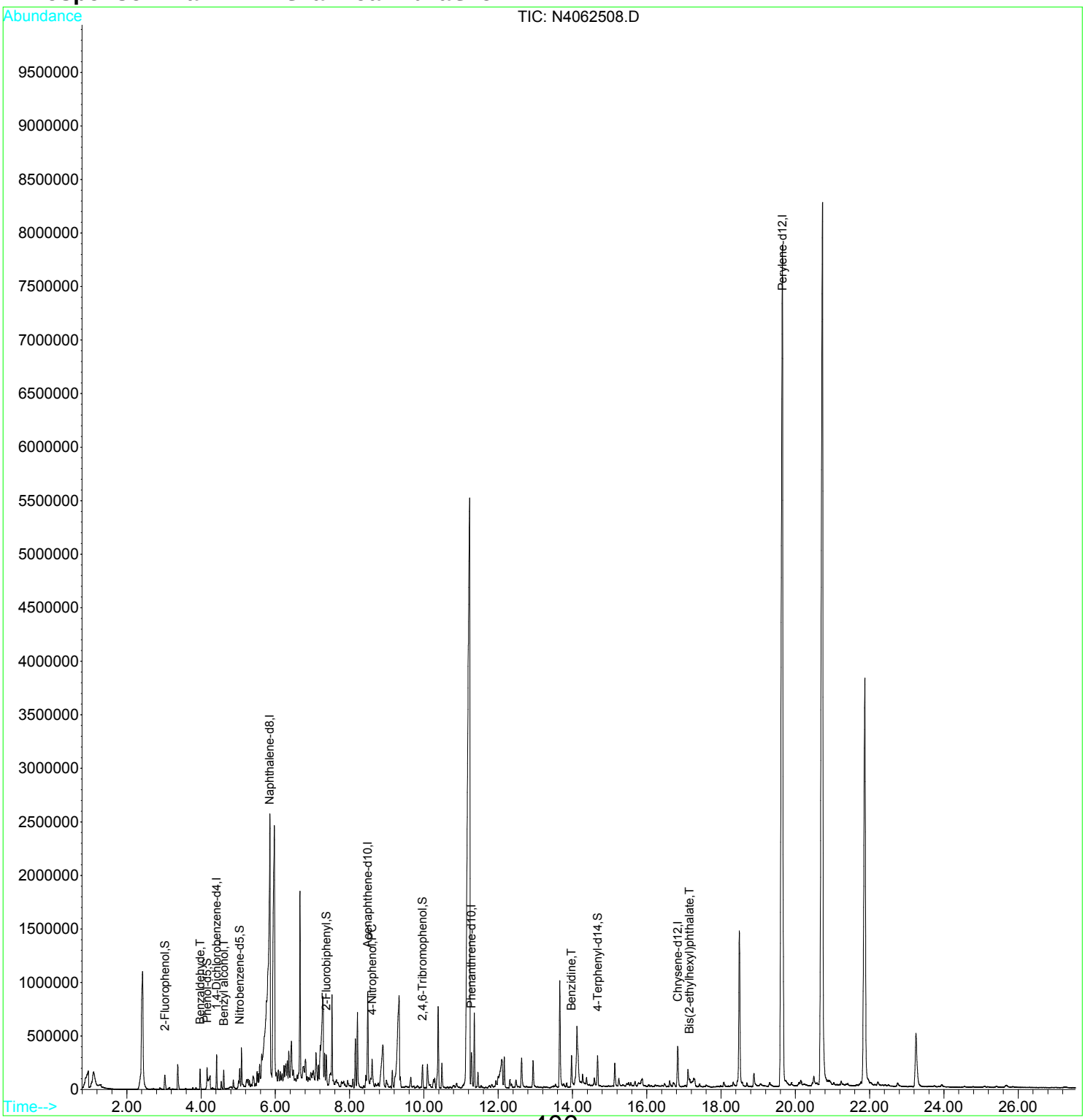
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	17.15	149	15982m	3.04	ng	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	d	
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.	d	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:21 2004 Quant Results File: BADD5CA.RES

Quant Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : BNA ADDITIONAL CMPDS CUR 03/31/03 5COMPS
Last Update : Fri Jun 25 14:19:12 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

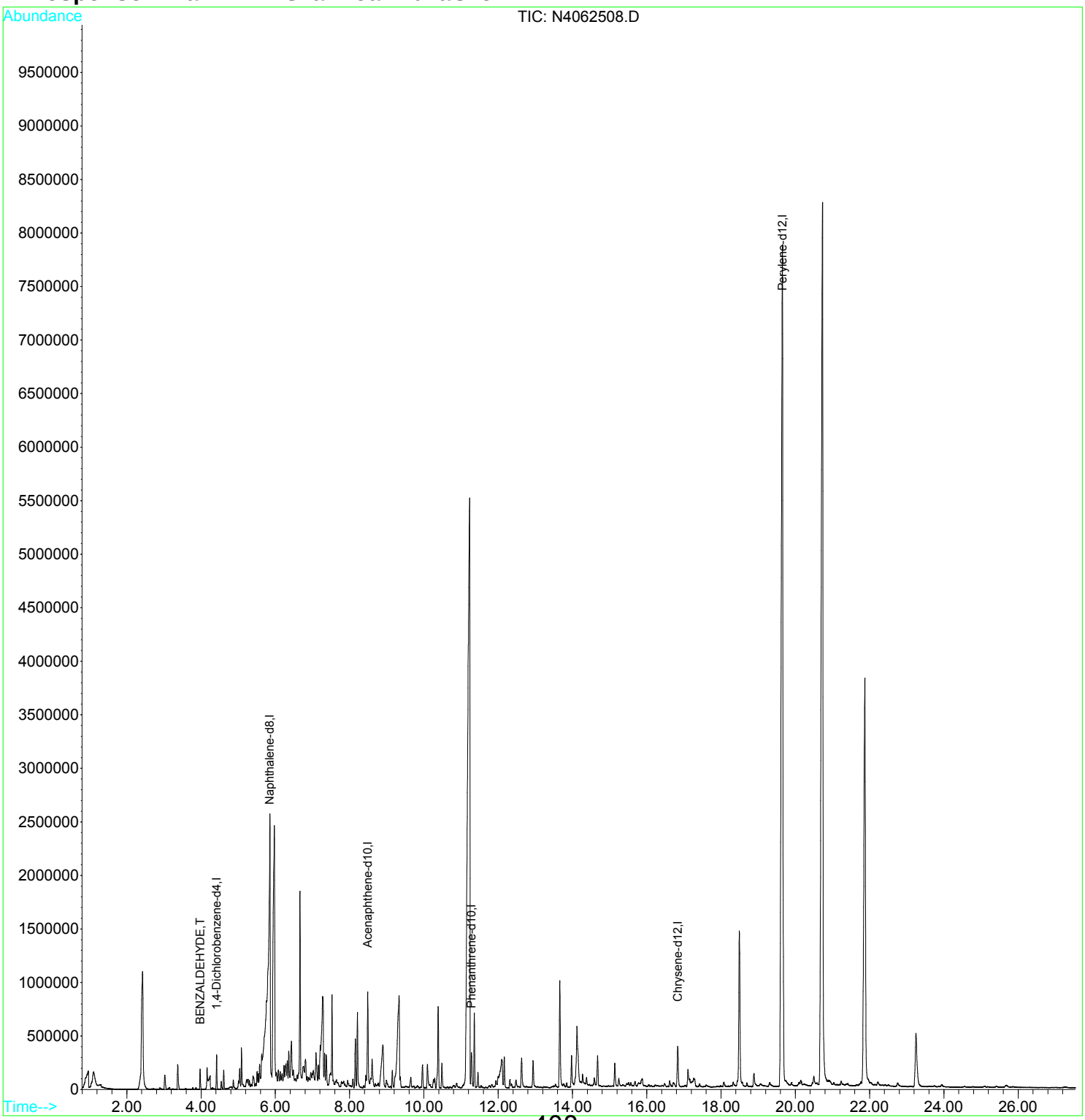
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.42	152	65079	40.00	ng	0.00
4) Naphthalene-d8	5.84	136	205869	40.00	ng	0.00
7) Acenaphthene-d10	8.48	164	130453	40.00	ng	0.00
9) Phenanthrene-d10	11.28	188	216123	40.00	ng	0.00
10) Chrysene-d12	16.83	240	270551	40.00	ng	0.00
11) Perylene-d12	19.66	264	304258	40.00	ng	0.00
Target Compounds						Qvalue
2) BENZALDEHYDE	3.97	105	49532	28.71	ng	99
3) ACETOPHENONE	0.00	105	0	N.D.		
5) e-CAPROLACTAM	0.00	55	0	N.D.	d	
6) 1,1-BIPHENYL	0.00	154	0	N.D.		
8) ATRAZINE	0.00	200	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 14:21 2004 Quant Results File: BADD5CA.RES

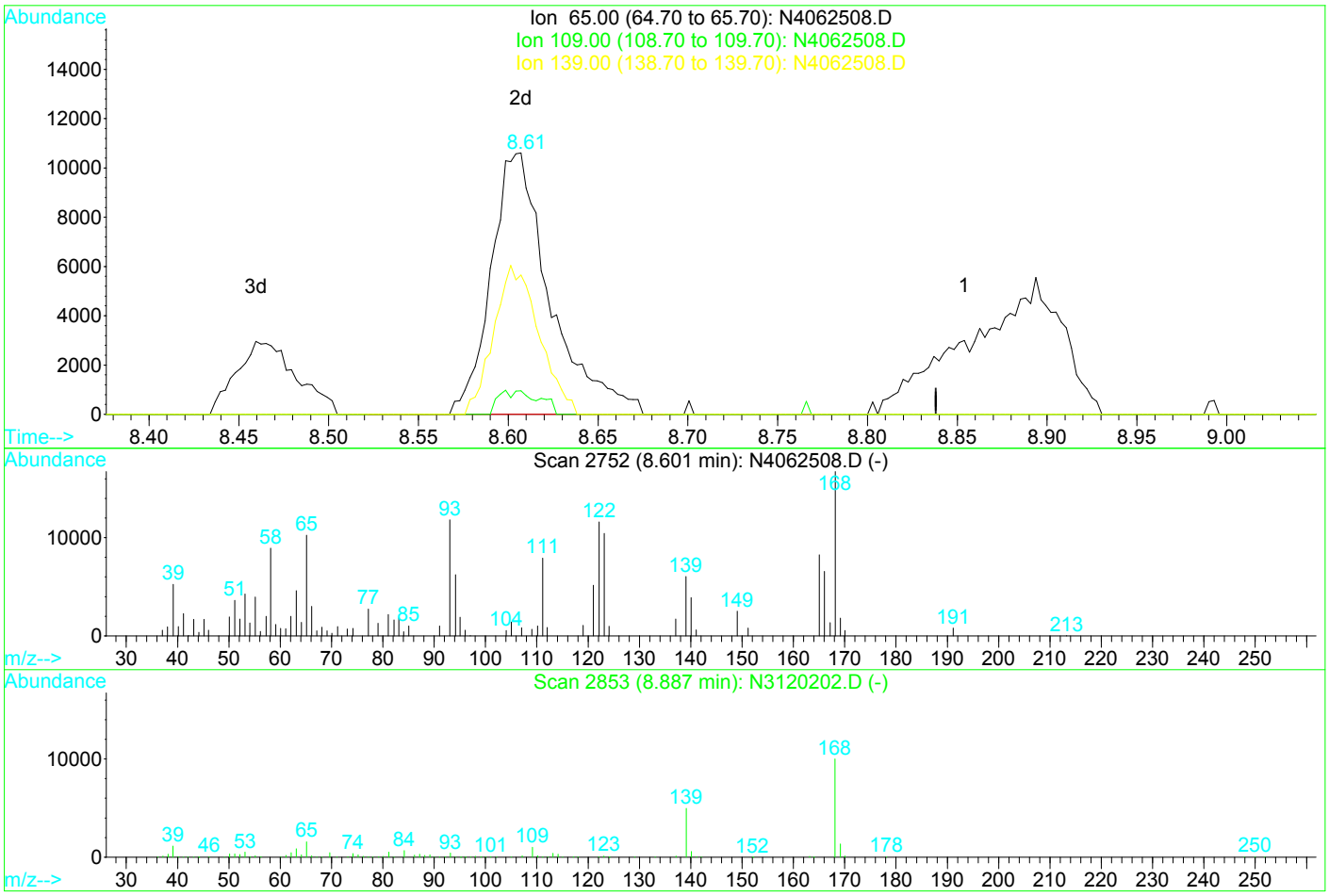
Method : C:\HPCHEM\1\METHODS\BADD5CA.M (RTE Integrator)
Title : BNA ADDITIONAL CMPDS CUR 03/31/03 5COMPS
Last Update : Fri Jun 25 14:19:12 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:47 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062508.D

(66) 4-Nitrophenol (PC)

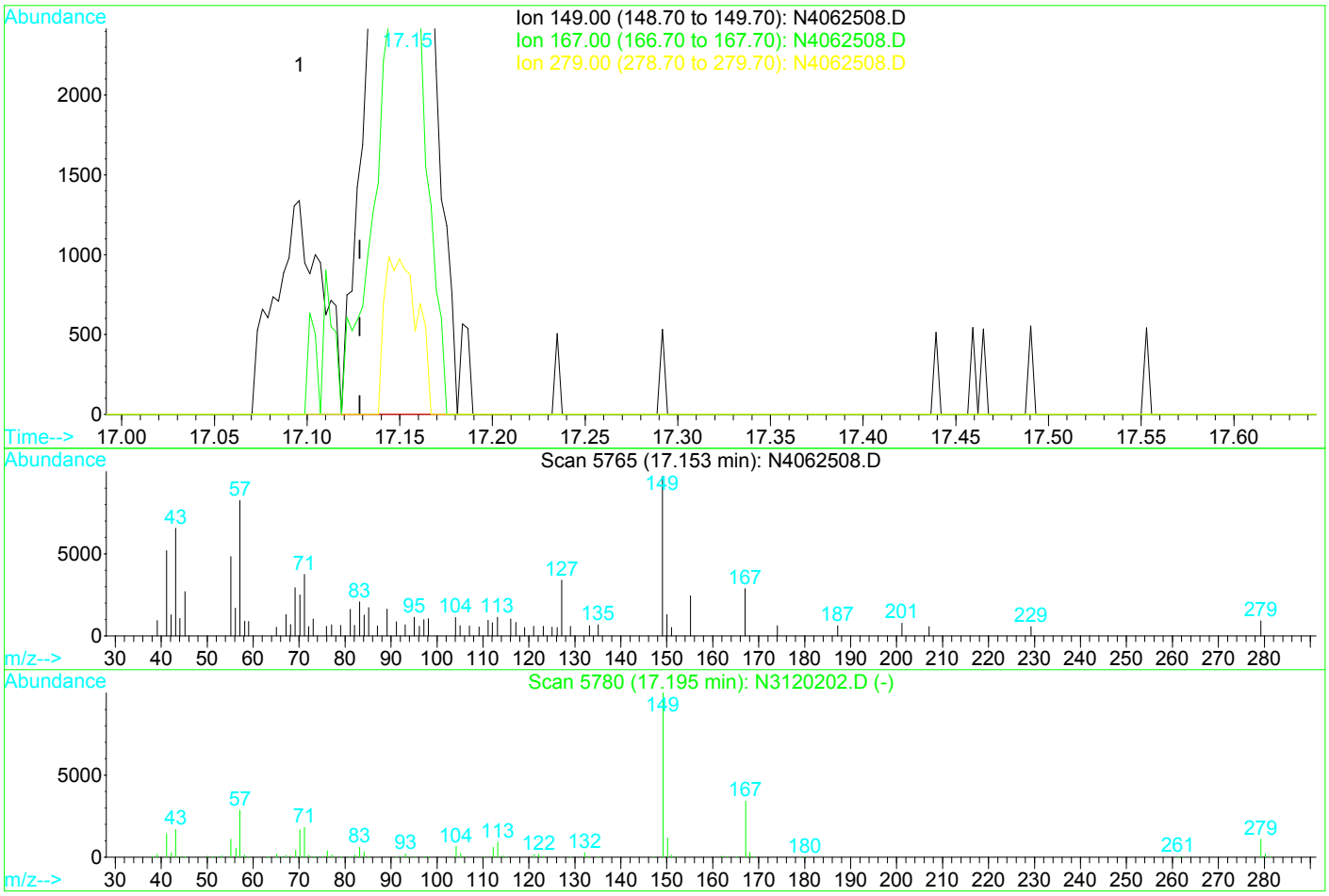
8.61min 27.92ng m

response 24282

Ion	Exp%	Act%
65.00	100	100
109.00	7.00	0.00
139.00	0.00	0.00
0.00	0.00	0.00

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:52 2004 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Multiple Level Calibration



TIC: N4062508.D

(101) Bis(2-ethylhexyl)phthalate (T)

17.15min 3.04ng m

response 15982

Ion	Exp%	Act%
149.00	100	100
167.00	32.70	0.00#
279.00	10.00	0.00
0.00	0.00	0.00

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.426	525	576	616	rBV	1099751	3678730	13.84%	2.890%
2	3.371	900	909	929	rBV	234466	372894	1.40%	0.293%
3	4.163	1167	1188	1196	rBV	204685	342304	1.29%	0.269%
4	4.418	1269	1278	1290	rVB2	324937	388654	1.46%	0.305%
5	5.088	1506	1514	1523	rBV	359928	429168	1.61%	0.337%
6	5.633	1698	1706	1711	rBV2	215102	312950	1.18%	0.246%
7	5.973	1803	1826	1841	rBV2	2343341	6379240	24.00%	5.011%
8	6.359	1955	1962	1971	rBV	255094	296669	1.12%	0.233%
9	6.425	1976	1985	1986	rBV6	264233	282386	1.06%	0.222%
10	6.663	2049	2069	2083	rBV	1748672	2306650	8.68%	1.812%
11	6.813	2113	2122	2131	rVB3	197517	367647	1.38%	0.289%
12	7.094	2212	2221	2237	rVB6	262081	505397	1.90%	0.397%
13	7.205	2251	2260	2264	rBV	315072	441207	1.66%	0.347%
14	7.324	2295	2302	2310	rVV	251933	299714	1.13%	0.235%
15	7.370	2311	2318	2332	rVB	285025	438822	1.65%	0.345%
16	7.526	2365	2373	2382	rVB	805673	991668	3.73%	0.779%
17	8.153	2581	2594	2604	rBV	461669	704554	2.65%	0.553%
18	8.210	2604	2614	2634	rVB	693624	973444	3.66%	0.765%
19	8.488	2699	2712	2729	rVB2	866609	1438810	5.41%	1.130%
20	8.604	2744	2753	2775	rVB4	258040	530377	2.00%	0.417%
21	8.894	2821	2855	2869	rBV4	386672	1490493	5.61%	1.171%
22	9.334	2960	3010	3017	rVV	855776	3456952	13.01%	2.716%
23	9.958	3219	3230	3243	rVB2	214900	367717	1.38%	0.289%
24	10.094	3262	3278	3296	rBV4	224449	448351	1.69%	0.352%
25	10.384	3357	3380	3396	rVB	761175	1339796	5.04%	1.052%
26	10.483	3402	3415	3430	rBV4	234968	387000	1.46%	0.304%
27	11.232	3634	3679	3685	rVV2	5474265	22657912	85.25%	17.798%

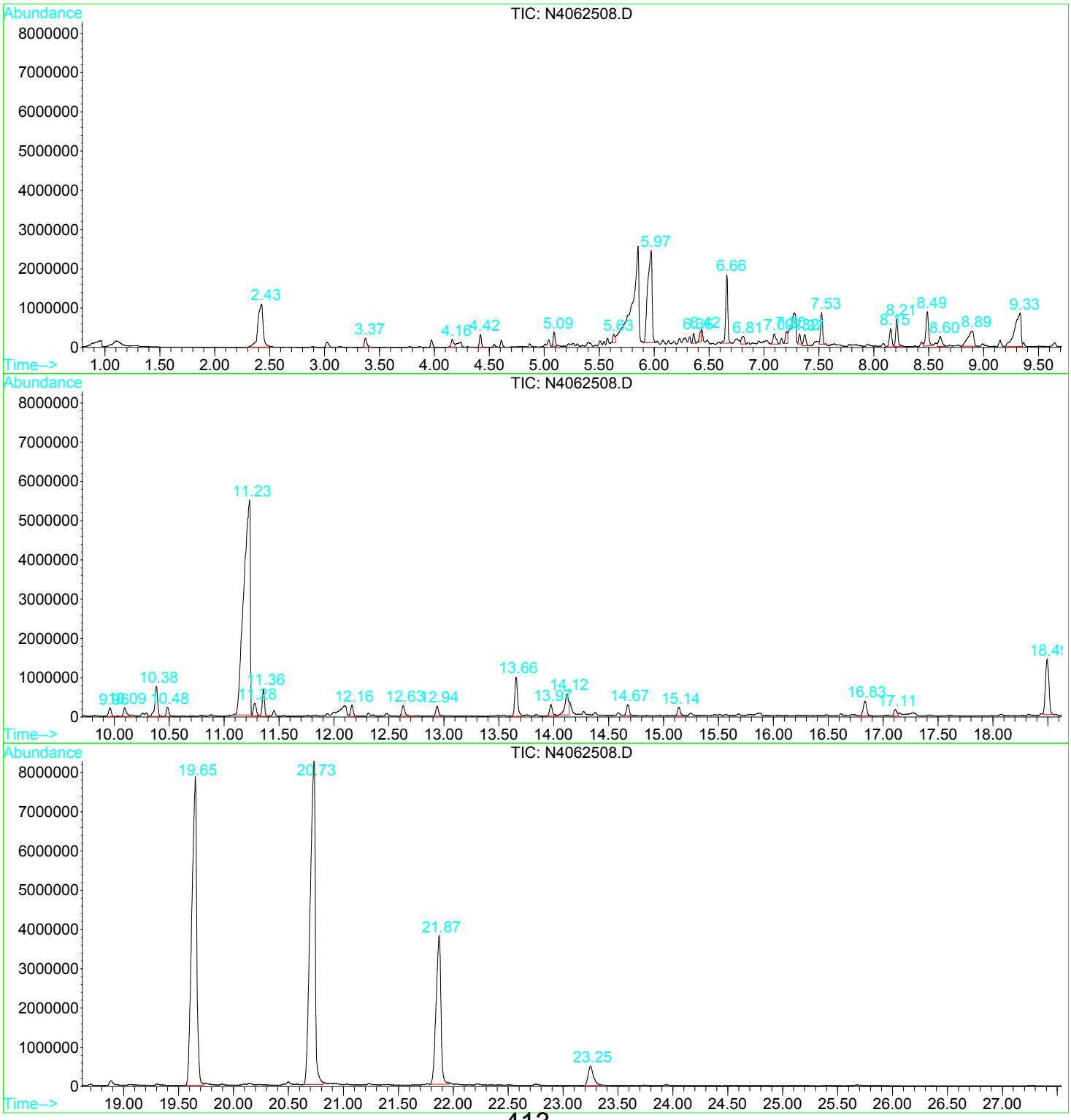
28	11.281	3685	3696	3712	rVV4	317335	592688	2.23%	0.466%
29	11.357	3712	3723	3735	rVB2	696774	973954	3.66%	0.765%
30	12.163	3998	4007	4021	rVB	287577	438807	1.65%	0.345%
31	12.629	4159	4171	4198	rVB5	270867	505086	1.90%	0.397%
32	12.938	4268	4280	4296	rBV2	249071	444904	1.67%	0.349%
33	13.659	4518	4534	4554	rBV2	996781	1797528	6.76%	1.412%
34	13.974	4633	4645	4667	rBV	296366	549986	2.07%	0.432%
35	14.122	4672	4697	4704	rBV3	538231	1243563	4.68%	0.977%
36	14.675	4881	4892	4905	rVB2	283925	502058	1.89%	0.394%
37	15.138	5044	5055	5073	rBV3	215896	388857	1.46%	0.305%
38	16.832	5637	5652	5668	rBV2	375272	788318	2.97%	0.619%
39	17.110	5738	5750	5760	rBV5	162395	334389	1.26%	0.263%
40	18.492	6223	6237	6261	rVB3	1422429	3102268	11.67%	2.437%
41	19.653	6614	6646	6672	rBV	7856044	24295932	91.41%	19.085%
42	20.734	6993	7027	7055	rBV3	8231917	26578657	100.00%	20.878%
43	21.872	7400	7428	7459	rBV3	3781390	11493908	43.24%	9.029%
44	23.249	7893	7913	7952	rBV3	496669	1643100	6.18%	1.291%

Sum of corrected areas: 127303509

N4062508.D B030404.M Tue Jun 29 09:05:44 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N40625\N4062508.D
Operator : BP
Acquired : 25 Jun 2004 12:15 pm using AcqMethod &RTX5
Instrument : GC/MS #6
Sample Name: 0406C14-006B 47087
Misc Info : SAMP 8270_TCL4.2_W
Vial Number: 8
Quant File :B030404.RES (RTE Integrator)



N4062508.D B030404.M Tue Jun 29 09:05:44 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 1 **2-Pentanone, 4-hydroxy-4-methyl-** Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	**378.61** ng	3678730	1,4-Dichlorobenzene-d4	4.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethylet	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9

****

Peak Number 2 **Ethanol, 2-butoxy-** Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	**38.38** ng	372894	1,4-Dichlorobenzene-d4	4.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	78
4	1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	32
5	Propanoic acid, 2-methylpropyl este	130	C7H14O2	000540-42-1	27

****

Peak Number 3 **Perfluoro(methylcyclohexane)** Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	**40.00** ng	6379240	Naphthalene-d8	5.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perfluoro(methylcyclohexane)	350	C7F14	000355-02-2	10
2	Tris(trifluoromethyl) bromomethane	298	C4BrF9	1000226-79-5	10
3	Perfluoro(methylcyclohexane)	350	C7F14	000355-02-2	10
4	Bis(pentamethylcyclopentadienyl)iro	326	C20H30Fe	012126-50-0	9
5	Silane, (estra-1,3,5(10),16-tetraen	326	C21H30OSi	069688-27-3	9

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 4 Tridecane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	14.46 ng	2306650	Naphthalene-d8	5.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tridecane	184	C13H28	000629-50-5	96
3	Tridecane	184	C13H28	000629-50-5	95
4	Tetradecane	198	C14H30	000629-59-4	91
5	Heptadecane	240	C17H36	000629-78-7	91

****

Peak Number 5 Tridecane, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	12.27 ng	441207	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-	198	C14H30	001560-96-9	52
2	Hexadecane	226	C16H34	000544-76-3	46
3	Eicosane	282	C20H42	000112-95-8	46
4	Heptadecane	240	C17H36	000629-78-7	46
5	Eicosane	282	C20H42	000112-95-8	45

****

Peak Number 6 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	27.57 ng	991668	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Tetradecane	198	C14H30	000629-59-4	97
3	Tetradecane	198	C14H30	000629-59-4	97
4	Tetradecane	198	C14H30	000629-59-4	97
5	Heptadecane	240	C17H36	000629-78-7	91

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 7 Ethyl Vanillin Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	19.59 ng	704554	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Vanillin	166	C9H10O3	000121-32-4	97
2	Ethyl Vanillin	166	C9H10O3	000121-32-4	96
3	Ethyl Vanillin	166	C9H10O3	000121-32-4	96
4	Ethyl Vanillin	166	C9H10O3	000121-32-4	91
5	Ethyl Vanillin	166	C9H10O3	000121-32-4	87

****

Peak Number 8 1-Decene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	27.06 ng	973444	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	96
2	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	94
3	1-Dodecanol	186	C12H26O	000112-53-8	94
4	1-Dodecene	168	C12H24	000112-41-4	93
5	1-Dodecanol	186	C12H26O	000112-53-8	91

****

Peak Number 9 1H-Benzotriazole, 5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	41.44 ng	1490490	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	96
2	1H-Indol-5-ol	133	C8H7NO	001953-54-4	80
3	1H-Indol-5-ol	133	C8H7NO	001953-54-4	70
4	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	64
5	1H-Indol-5-ol	133	C8H7NO	001953-54-4	62

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 10 1H-Benzotriazole, 5-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	96.11 ng	3456950	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
2	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	68
3	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	62
4	1H-Indol-5-ol	133	C8H7NO	001953-54-4	53
5	Benzene, 1-isocyanato-2-methyl-	133	C8H7NO	000614-68-6	52

****

Peak Number 11 Cyclododecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	30.26 ng	448351	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	95
2	Cyclododecane	168	C12H24	000294-62-2	94
3	Cyclododecane	168	C12H24	000294-62-2	92
4	1-Tridecanol	200	C13H28O	000112-70-9	91
5	1-Tridecanol	200	C13H28O	000112-70-9	91

****

Peak Number 12 Tetradecyltrimethylammonium bromide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	90.42 ng	1339800	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	78
2	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
3	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	72
4	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	72
5	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	72

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 13 Tritetracontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	26.12 ng	387000	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	58
2	Nonadecane	268	C19H40	000629-92-5	46
3	Tetradecane	198	C14H30	000629-59-4	43
4	Tetradecane	198	C14H30	000629-59-4	43
5	Tridecane	184	C13H28	000629-50-5	43

****

Peak Number 14 Tris(3-chloropropyl) phosphate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	65.73 ng	973954	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	1000142-53-6	14
2	Spiro[7H-cyclohepta[b]furan-7,2'(5'	280	C15H20O5	029135-44-2	10
3	1,4-Dioxaspiro[4.4]nonane-7-methano	158	C8H14O3	065005-20-1	9
4	4-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	006280-88-2	9
5	2-Methyl-2-butyl methylphosphonoflu	168	C6H14FO2P	1000216-67-1	9

****

Peak Number 15 Cetrimonium Bromide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	29.61 ng	438807	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	78
2	1-Heptadecanamine, N,N-dimethyl-	283	C19H41N	003002-57-1	72
3	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
4	1-Pentadecanamine, N,N-dimethyl-	255	C17H37N	017678-60-3	56
5	1-Tridecanamine, N,N-dimethyl-	227	C15H33N	017373-29-4	56

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 16 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	34.09 ng	505086	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
4	Tridecanoic acid	214	C13H26O2	000638-53-9	93
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87

****

Peak Number 17 Dodecane, 1-(methoxymethoxy)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	30.03 ng	444904	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-(methoxymethoxy)-	230	C14H30O2	034458-41-8	38
2	2-Tridecanol	200	C13H28O	001653-31-2	38
3	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	30
4	2-Dodecanol	186	C12H26O	010203-28-8	30
5	Tritetracontane	605	C43H88	007098-21-7	30

****

Peak Number 18 1-Octadecene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	121.31 ng	1797530	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	99
2	1-Octadecene	252	C18H36	000112-88-9	99
3	1-Octadecene	252	C18H36	000112-88-9	98
4	1-Hexadecene	224	C16H32	000629-73-2	96
5	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	96

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 19 9-Octadecenoic acid, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	63.10 ng	1243560	Chrysene-d12	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
4	Oleic Acid	282	C18H34O2	000112-80-1	89
5	Oleic Acid	282	C18H34O2	000112-80-1	64

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Peak Number 20 .beta.-Methoxyethoxymethyl chloride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	19.73 ng	388857	Chrysene-d12	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Methoxyethoxymethyl chloride	124	C4H9ClO2	003970-21-6	43
2	2-Hexadecanol	242	C16H34O	014852-31-4	38
3	2-Heptadecanol	256	C17H36O	016813-18-6	38
4	Ethanol, 2-[2-(2-butoxyethoxy)ethox	206	C10H22O4	000143-22-6	35
5	2-Tetradecanol	214	C14H30O	004706-81-4	35

****

Peak Number 21 2-Amino-4,6-dihydroxypyrimidine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.11 ng	3102270	Perylene-d12	19.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-4,6-dihydroxypyrimidine	127	C4H5N3O2	000056-09-7	59
2	Glycerol tricaprylate	470	C27H50O6	000538-23-8	58
3	Silane, dichlorodiethyl-	156	C4H10Cl2Si	001719-53-5	39
4	2-Methyl-5-oxohexanethioic acid, S-	216	C11H20O2S	1000186-90-2	39
5	2-Butenedioic acid (E)-, diethyl es	172	C8H12O4	000623-91-6	38

Data File : C:\HPCHEM\1\DATA\N40625\N4062508.D Vial: 8
Acq On : 25 Jun 2004 12:15 pm Operator: BP
Sample : 0406C14-006B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 22 Glycerol tricaprylate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	43.76 ng	26578700	Perylene-d12	19.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glycerol tricaprylate	470	C27H50O6	000538-23-8	45
2	1,4-Dioxaspiro[4.4]nonane, 7-butyl-	212	C13H24O2	104807-77-4	37
3	1,6-Bis[m-chlorophenyl]-2,5-dithiob	370	C14H12Cl2N4S2	1000213-46-5	27
4	3H-Pyrazole-3,3-dicarboxylic acid,	228	C10H16N2O4	033304-81-3	27
5	Carbonic acid, 4-chlorophenyl methy	186	C8H7ClO3	024260-28-4	16

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Peak Number 23 1'-Acetonaphthone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	18.92 ng	11493900	Perylene-d12	19.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1'-Acetonaphthone	170	C12H10O	000941-98-0	50
2	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	50
3	Benzene, 2,4-difluoro-1-isocyanato-	155	C7H3F2NO	059025-55-7	50
4	2,5-Bis(1-naphthamido)terephthalic	504	C30H20N2O6	1000223-95-1	40
5	1-Naphthaleneacetic acid, .alpha.-o	200	C12H8O3	026153-26-4	40

Tentatively Identified Compound (LSC) summary

Operator ID: BP Date Acquired: 25 Jun 2004 12:15 pm
Data File: C:\HPCHEM\1\DATA\N40625\N4062508.D
Name: 0406C14-006B 47087
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title: CCV CURVE 12/3/03
Library Searched: C:\DATABASE\NIST98.l

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Pentanone, 4-hydroxy-4-methyl-	2.43	378.6	ng	3678730	ISTD01	4.42	388654	40.0
Ethanol, 2-butoxy-	3.37	38.4	ng	372894	ISTD01	4.42	388654	40.0
Perfluoro(methylcyclohexane)	5.97	40.0	ng	6379240	ISTD02	5.84	6379240	40.0
Tridecane	6.66	14.5	ng	2306650	ISTD02	5.84	6379240	40.0
Tridecane, 2-methyl-	7.20	12.3	ng	441207	ISTD03	8.48	1438810	40.0
Tetradecane	7.53	27.6	ng	991668	ISTD03	8.48	1438810	40.0
Ethyl Vanillin	8.15	19.6	ng	704554	ISTD03	8.48	1438810	40.0
1-Decene	8.21	27.1	ng	973444	ISTD03	8.48	1438810	40.0
1H-Benzotriazole, 5-methyl-	8.89	41.4	ng	1490490	ISTD03	8.48	1438810	40.0
1H-Benzotriazole, 5-methyl-	9.33	96.1	ng	3456950	ISTD03	8.48	1438810	40.0
Cyclododecane	10.09	30.3	ng	448351	ISTD04	11.28	592688	40.0
Tetradecyltrimethylammonium bromide	10.38	90.4	ng	1339800	ISTD04	11.28	592688	40.0
Tritetracontane	10.48	26.1	ng	387000	ISTD04	11.28	592688	40.0
Tris(3-chloropropyl) phosphate	11.36	65.7	ng	973954	ISTD04	11.28	592688	40.0
Cetrimonium Bromide	12.16	29.6	ng	438807	ISTD04	11.28	592688	40.0
n-Hexadecanoic acid	12.63	34.1	ng	505086	ISTD04	11.28	592688	40.0
Dodecane, 1-(methoxymethoxy)	12.94	30.0	ng	444904	ISTD04	11.28	592688	40.0
1-Octadecene	13.66	121.3	ng	1797530	ISTD04	11.28	592688	40.0
9-Octadecenoic acid, (E)-	14.12	63.1	ng	1243560	ISTD05	16.83	788318	40.0
.beta.-Methoxyethoxymethyl chloride	15.14	19.7	ng	388857	ISTD05	16.83	788318	40.0
2-Amino-4,6-dihydroxypyrimidine	18.49	5.1	ng	3102270	ISTD06	19.66	24295900	40.0
Glycerol tricaprylate	20.73	43.8	ng	26578700	ISTD06	19.66	24295900	40.0
1'-Acetonaphthone	21.87	18.9	ng	11493900	ISTD06	19.66	24295900	40.0

N4062508.D B030404.M Tue Jul 20 10:19:05 2004

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.42	152	70814	40.00	ng	-0.28
23) Naphthalene-d8	5.84	136	252817	40.00	ng	-0.35
45) Acenaphthene-d10	8.48	164	142513	40.00	ng	-0.44
73) Phenanthrene-d10	11.27	188	237373	40.00	ng	-0.50
92) Chrysene-d12	16.84	240	246720	40.00	ng	-0.53
105) Perylene-d12	19.66	264	254443	40.00	ng	-0.54
System Monitoring Compounds						
5) 2-Fluorophenol	3.02	112	91628	37.72	ng	-0.35
Spiked Amount 100.000	Range 21 - 110		Recovery = 37.72%			
9) Phenol-d5	4.16	99	84109	28.19	ng	-0.28
Spiked Amount 100.000	Range 10 - 110		Recovery = 28.19%			
24) Nitrobenzene-d5	5.04	82	83059	31.79	ng	-0.31
Spiked Amount 50.000	Range 34 - 114		Recovery = 63.58%			
50) 2-Fluorobiphenyl	7.37	172	170462	31.86	ng	-0.41
Spiked Amount 50.000	Range 43 - 116		Recovery = 63.72%			
72) 2,4,6-Tribromophenol	9.96	330	51871	72.57	ng	-0.48
Spiked Amount 100.000	Range 10 - 123		Recovery = 72.57%			
94) 4-Terphenyl-d14	14.67	244	199441	30.49	ng	-0.50
Spiked Amount 50.000	Range 33 - 141		Recovery = 60.98%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.	d	
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	3&4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D.	d
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.			
60)	Dimethyl phthalate	0.00	163	0	N.D.	d		
61)	Acenaphthylene	0.00	152	0	N.D.			
62)	2,6-Dinitrotoluene	0.00	165	0	N.D.	d		
63)	Acenaphthene	0.00	154	0	N.D.			
64)	2,4-Dinitrophenol	0.00	184	0	N.D.			
65)	Dibenzofuran	0.00	168	0	N.D.	d		
66)	4-Nitrophenol	0.00	65	0	N.D.	d		
67)	2,4-Dinitrotoluene	0.00	165	0	N.D.	d		
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
69)	Diethyl phthalate	0.00	149	0	N.D.			
70)	Fluorene	0.00	166	0	N.D.			
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.			
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.			
75)	Azobenzene	0.00	77	0	N.D.			
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.			
77)	Diphenylamine	0.00	170	0	N.D.	d		
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.			
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.	d		
80)	Phenacetin	0.00	108	0	N.D.	d		
81)	Hexachlorobenzene	0.00	284	0	N.D.			
82)	Atrazine	0.00	200	0	N.D.			
83)	4-Aminobiphenyl	0.00	169	0	N.D.			
84)	Pentachlorophenol	0.00	266	0	N.D.			
85)	Pentachloronitrobenzene	0.00	237	0	N.D.			
86)	Pronamide	0.00	173	0	N.D.			
87)	Phenanthrene	0.00	178	0	N.D.			
88)	Anthracene	0.00	178	0	N.D.			
89)	Carbazole	0.00	167	0	N.D.			
90)	Di-n-butyl phthalate	0.00	149	0	N.D.			
91)	Fluoranthene	0.00	202	0	N.D.			
93)	Pyrene	0.00	202	0	N.D.			
95)	Benzidine	14.02	184	24445	26.34	ng	#	88
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.			
97)	Butyl benzyl phthalate	0.00	149	0	N.D.			
98)	Benz(a)anthracene	0.00	228	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:54 2004 Quant Results File: B030404.RES

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

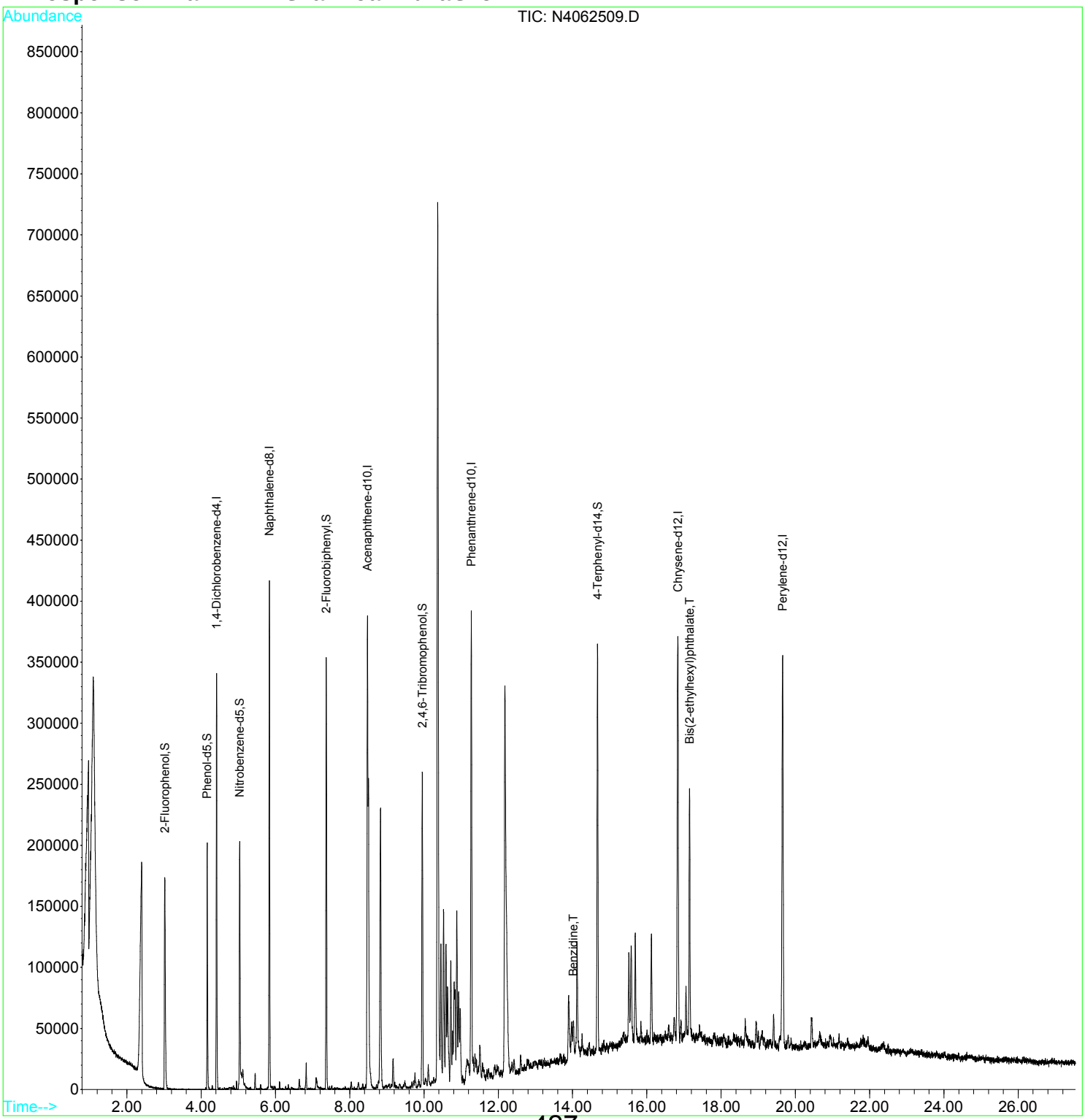
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	17.15	149	86671	18.08	ng	99
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylchlolanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 13:54 2004 Quant Results File: B030404.RES

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Last Update : Wed Apr 14 10:27:39 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.399	535	567	581	rVB2	177347	616783	38.33%	4.949%
2	3.020	777	786	811	rBV2	173078	315905	19.63%	2.535%
3	4.164	1181	1189	1202	rBV	202060	231809	14.41%	1.860%
4	4.414	1269	1277	1290	rBV	340841	411509	25.58%	3.302%
5	5.038	1484	1497	1511	rBV2	202469	274161	17.04%	2.200%
6	5.123	1522	1527	1538	rVB3	12624	17784	1.11%	0.143%
7	5.839	1768	1779	1792	rBV	415268	532414	33.09%	4.272%
8	6.829	2117	2128	2135	rVB4	21000	24332	1.51%	0.195%
9	7.368	2307	2318	2331	rBV	353333	476532	29.62%	3.823%
10	8.478	2697	2709	2715	rBV2	386967	636256	39.54%	5.105%
11	8.830	2819	2833	2854	rVB	228814	446040	27.72%	3.579%
12	9.168	2944	2952	2963	rVB5	23321	36104	2.24%	0.290%
13	9.954	3216	3229	3242	rBV2	257264	426585	26.51%	3.423%
14	10.116	3275	3286	3294	rBV5	17437	29020	1.80%	0.233%
15	10.368	3360	3375	3396	rBV	718373	1609028	100.00%	12.910%
16	10.456	3397	3406	3419	rVB2	105596	159910	9.94%	1.283%
17	10.524	3419	3430	3445	rBV3	133880	242842	15.09%	1.948%
18	10.593	3445	3454	3461	rBV3	100346	155334	9.65%	1.246%
19	10.635	3464	3469	3478	rVB4	55130	80483	5.00%	0.646%
20	10.723	3489	3500	3510	rBV3	98923	170059	10.57%	1.364%
21	10.768	3510	3516	3522	rBV5	27823	35873	2.23%	0.288%
22	10.814	3524	3532	3536	rBV2	56627	80335	4.99%	0.645%
23	10.885	3548	3557	3565	rBV	123129	182283	11.33%	1.463%
24	10.933	3567	3574	3583	rVV4	64101	115159	7.16%	0.924%
25	10.970	3583	3587	3603	rVB3	58937	102685	6.38%	0.824%
26	11.274	3681	3694	3708	rBV3	378688	686067	42.64%	5.505%
27	11.373	3721	3729	3736	rBV6	14909	22590	1.40%	0.181%

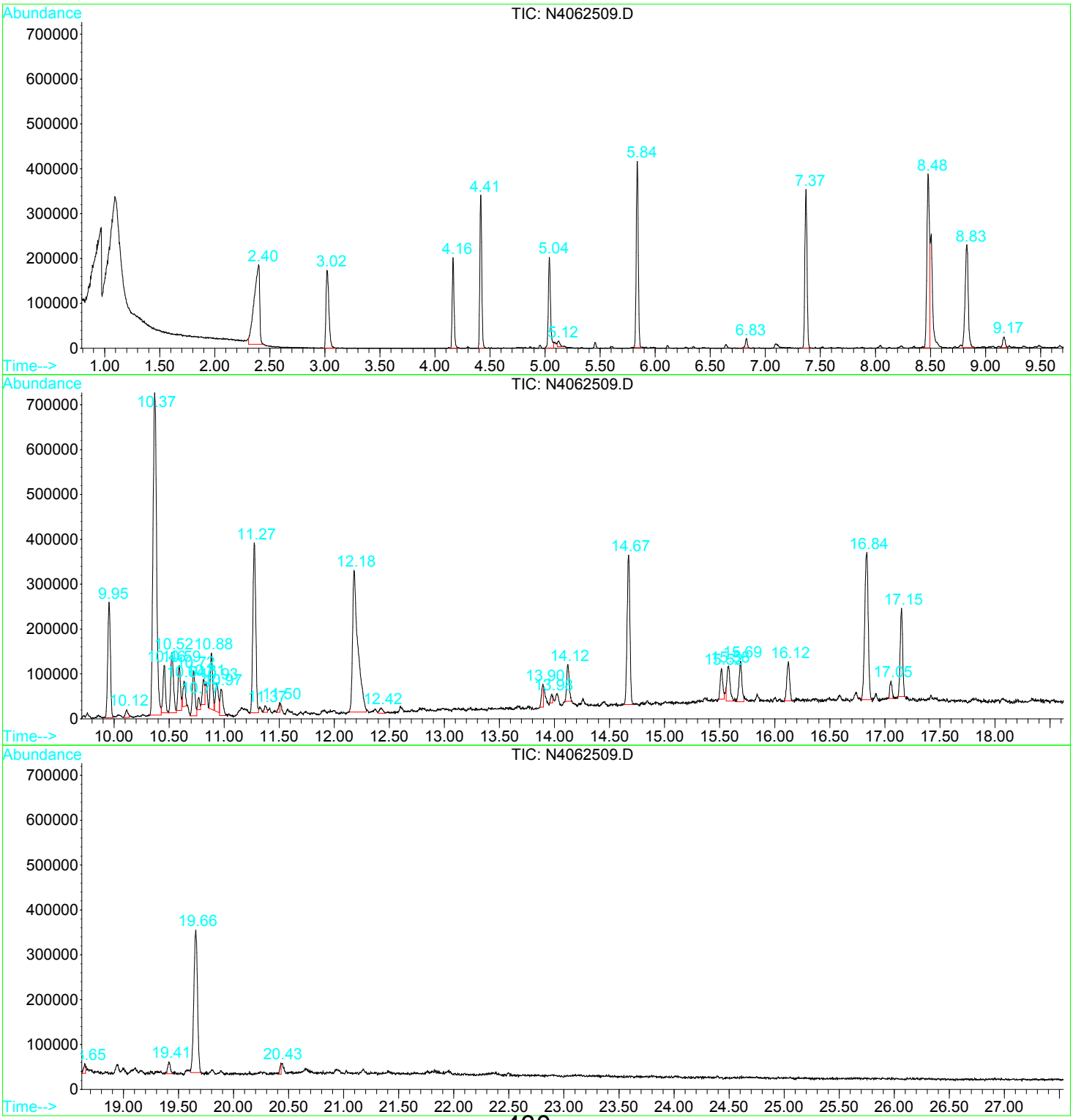
28	11.504	3765	3775	3776	rBV4	21474	19826	1.23%	0.159%
29	12.179	3998	4013	4053	rBV	315640	1036399	64.41%	8.315%
30	12.423	4091	4099	4113	rVB6	12319	25130	1.56%	0.202%
31	13.896	4608	4618	4619	rBV	50849	58292	3.62%	0.468%
32	13.976	4639	4646	4648	rBV4	20160	20257	1.26%	0.163%
33	14.120	4690	4697	4708	rVB3	81943	126966	7.89%	1.019%
34	14.674	4878	4892	4905	rVB2	333066	587975	36.54%	4.718%
35	15.517	5180	5189	5198	rBV5	68465	110788	6.89%	0.889%
36	15.579	5204	5211	5229	rVB2	77993	150069	9.33%	1.204%
37	15.690	5237	5250	5261	rBV2	90037	161111	10.01%	1.293%
38	16.124	5393	5403	5413	rVB5	87451	151987	9.45%	1.219%
39	16.836	5638	5654	5669	rVB3	328188	714113	44.38%	5.730%
40	17.055	5725	5731	5740	rVB2	39356	54831	3.41%	0.440%
41	17.151	5754	5765	5775	rVB2	196831	311836	19.38%	2.502%
42	18.647	6284	6292	6295	rBV6	22188	24942	1.55%	0.200%
43	19.413	6555	6562	6573	rVB2	26651	42527	2.64%	0.341%
44	19.658	6631	6648	6664	rVB3	317867	728317	45.26%	5.844%
45	20.429	6913	6920	6921	rBV6	24965	20294	1.26%	0.163%

Sum of corrected areas: 12463542

N4062509.D B030404.M Tue Jun 29 09:06:57 2004

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\N40625\N4062509.D
Operator : BP
Acquired : 25 Jun 2004 12:52 pm using AcqMethod &RTX5
Instrument : GC/MS #6
Sample Name: 0406C14-007B 47087
Misc Info : SAMP 8270_TCL4.2_W
Vial Number: 9
Quant File :B030404.RES (RTE Integrator)



N4062509.D B030404.M Tue Jun 29 09:06:57 2004

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 1 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	59.95 ng	616783	1,4-Dichlorobenzene-d4	4.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	94
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	86
5	Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	4

****

Peak Number 2 1H-Benzotriazole, 5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	28.04 ng	446040	Acenaphthene-d10	8.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	95
2	1H-Indol-5-ol	133	C8H7NO	001953-54-4	80
3	2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	62
4	Styrene	104	C8H8	000100-42-5	60
5	1H-Indol-5-ol	133	C8H7NO	001953-54-4	58

****

Peak Number 3 1-Dodecanamine, N,N-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	93.81 ng	1609030	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
2	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
3	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	72
4	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	72
5	1-Undecanamine, N,N-dimethyl-	199	C13H29N	017373-28-3	72

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 4 4-Nonylphenol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	9.32 ng	159910	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonylphenol	220	C15H24O	000104-40-5	80
2	Phenol, (1,1,3,3-tetramethylbutyl)-	206	C14H22O	027193-28-8	72
3	3-(1-Adamantyl)sydnone	220	C12H16N2O2	1000140-20-2	72
4	Phenol, 4-(1,1,3,3-tetramethylbutyl	206	C14H22O	000140-66-9	72
5	Phenol, 4-(1,1,3,3-tetramethylbutyl	206	C14H22O	000140-66-9	72

****

Peak Number 5 Dimethyl ionone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	14.16 ng	242842	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl ionone	220	C15H24O	068555-94-2	58
2	4-Nonylphenol	220	C15H24O	000104-40-5	52
3	Phenol, nonyl-	220	C15H24O	025154-52-3	49
4	4-Nonylphenol	220	C15H24O	000104-40-5	46
5	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	46

****

Peak Number 6 4-Nonylphenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	9.06 ng	155334	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonylphenol	220	C15H24O	000104-40-5	94
2	4-Nonylphenol	220	C15H24O	000104-40-5	93
3	Phenol, nonyl-	220	C15H24O	025154-52-3	91
4	4-Nonylphenol	220	C15H24O	000104-40-5	87
5	2,5-Diethylphenol	150	C10H14O	000876-20-0	59

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 7 Tricyclo[3.3.1.13,7]decanone,4-iodo-, Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	4.69 ng	80483	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.13,7]decanone, 4-iod	276	C10H13IO	056781-85-2	50
2	Phenol, 2-(1,1-dimethylethyl)-4-met	164	C11H16O	002409-55-4	42
3	Tricyclo[3.3.1.13,7]decanone, 4-iod	276	C10H13IO	056781-86-3	40
4	Phenol, 2-(1,1-dimethylethyl)-4-met	164	C11H16O	002409-55-4	40
5	Silane, chlorotripropyl-	192	C9H21ClSi	000995-25-5	37

****

Peak Number 8 Phenol, nonyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	9.92 ng	170059	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, nonyl-	220	C15H24O	025154-52-3	74
2	4-Nonylphenol	220	C15H24O	000104-40-5	47
3	Phenol, 4,4'-(1,2-diethyl-1,2-ethan	270	C18H22O2	000084-16-2	38
4	1,3-Cyclohexadiene-1-carboxaldehyde	150	C10H14O	000116-26-7	38
5	Phenol, 4,4'-(1,2-diethyl-1,2-ethan	270	C18H22O2	000084-16-2	38

****

Peak Number 9 1,3-Cyclopentadiene, 5,5-dimethyl-1,2-DipropylConcentration Rank

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	4.68 ng	80335	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5,5-dimethyl-1	178	C13H22	1000163-88-0	64
2	1-(6-Methyl-2-pyridyl)propan-2-one	149	C9H11NO	065702-08-1	59
3	4-Amino-2-methyl-5,6-trimethylenepy	149	C8H11N3	076881-49-7	45
4	1,2-Benzisothiazole, 3-methyl-	149	C8H7NS	006187-89-9	43
5	4-Methyl-2-tert-octylphenol	220	C15H24O	004979-46-8	43

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 10 4-Nonylphenol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	10.63 ng	182283	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonylphenol	220	C15H24O	000104-40-5	78
2	Phenol, (1,1,3,3-tetramethylbutyl)-	206	C14H22O	027193-28-8	78
3	Phenol, 4-(1,1,3,3-tetramethylbutyl	206	C14H22O	000140-66-9	78
4	Pentanoic acid, 5-hydroxy-, p-t-but	250	C15H22O3	1000164-48-0	78
5	p-Methoxyheptanophenone	220	C14H20O2	069287-13-4	72

****

Peak Number 11 Acetamide, N-(2-methylphenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	6.71 ng	115159	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	43
2	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	43
3	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	43
4	Acetamide, N-methyl-N-phenyl-	149	C9H11NO	000579-10-2	37
5	1,3-Cyclohexadiene-1-carboxaldehyde	150	C10H14O	000116-26-7	32

****

Peak Number 12 4-Amino-2-methyl-5,6-trimethylenepyrimidine Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	5.99 ng	102685	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-2-methyl-5,6-trimethylenepy	149	C8H11N3	076881-49-7	64
2	Formamide, N-ethyl-N-phenyl-	149	C9H11NO	005461-49-4	36
3	Didodecyl phthalate	502	C32H54O4	002432-90-8	33
4	2H-1,4-Benzoxazin-3(4H)-one	149	C8H7NO2	005466-88-6	9
5	3,6-Dimethyl-triazolo(4,3-b)(1,2,4)	149	C6H7N5	1000146-53-3	9

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

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Peak Number 13 **1-Nonadecanamine, N,N-dimethyl** Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	**60.43** ng	1036400	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecanamine, N,N-dimethyl-	311	C21H45N	049859-87-2	72
2	1-Heptadecanamine, N,N-dimethyl-	283	C19H41N	003002-57-1	72
3	1-Pentadecanamine, N,N-dimethyl-	255	C17H37N	017678-60-3	72
4	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	72
5	N,N-Dimethyltetradecanamine	241	C16H35N	1000129-24-3	72

****

Peak Number 14 **Decanamide, N-(2-hydroxyethyl)** Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	**7.11** ng	126966	Chrysene-d12	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanamide, N-(2-hydroxyethyl)-	215	C12H25NO2	007726-08-1	78
2	Octanamide, N-(2-hydroxyethyl)-	187	C10H21NO2	007112-02-9	56
3	2(3H)-Furanone, dihydro-5-(2-octeny	196	C12H20O2	018679-18-0	43
4	2(3H)-Furanone, dihydro-5-(2-octeny	196	C12H20O2	018679-18-0	43
5	2-(exo-2-Norbornyloxy)tetrahydropyr	196	C12H20O2	122685-25-0	38

****

Peak Number 15 **2-Ethyl-5-(12-tridecenyl)pyrrolidine** Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	**6.21** ng	110788	Chrysene-d12	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-5-(12-tridecenyl)pyrrolidin	279	C19H37N	1000111-45-8	22
2	2-Hexene, 1-methoxy-3-methyl-, (E)-	128	C8H16O	056052-84-7	14
3	1-Oxaspiro[4.5]decane-2,4-dione	168	C9H12O3	022884-78-2	14
4	1,5-Di(1-piperidinyl)pentane	238	C15H30N2	024362-44-5	12
5	Decanamide, N-(2-hydroxyethyl)-	215	C12H25NO2	007726-08-1	12

Data File : C:\HPCHEM\1\DATA\N40625\N4062509.D Vial: 9
Acq On : 25 Jun 2004 12:52 pm Operator: BP
Sample : 0406C14-007B 47087 Inst : GC/MS #6
Misc : SAMP 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title : CCV CURVE 12/3/03
Library : C:\DATABASE\NIST98.l

****

Peak Number 16 **Cyclobutene, bis(1-methylethylidene)** Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	**8.41** ng	150069	Chrysene-d12	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutene, bis(1-methylethylidene	134	C10H14	003642-14-6	56
2	Benzene, 1-ethenyl-3-methoxy-	134	C9H10O	000626-20-0	40
3	Benzene, 1-ethenyl-4-methoxy-	134	C9H10O	000637-69-4	40
4	1H-Purine, 6-methyl-	134	C6H6N4	002004-03-7	39
5	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	9

****

Peak Number 17 **2-Pyrrolidinone** Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	**9.02** ng	161111	Chrysene-d12	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	43
2	Decanamide, N-(2-hydroxyethyl)-	215	C12H25NO2	007726-08-1	40
3	2(3H)-Furanone, dihydro-5-(2-octeny	196	C12H20O2	018679-18-0	38
4	2-(exo-2-Norbornyloxy)tetrahydropyr	196	C12H20O2	122685-25-0	38
5	4-Methyl-1,6-heptadien-4-ol	126	C8H14O	025201-40-5	38

****

Peak Number 18 **Benzenemethanol, ar,ar,.alpha.-trimethyl-** Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	**8.51** ng	151987	Chrysene-d12	16.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, ar,ar,.alpha.-trim	150	C10H14O	054166-49-3	38
2	Valeric acid, 4-(2,5-xylyl)-, methy	220	C14H20O2	030316-09-7	35
3	Benzene, 2,4-dimethyl-1-(1-methylet	148	C11H16	004706-89-2	35
4	Benzene, 1,3,5-triethyl-	162	C12H18	000102-25-0	32
5	1H-Indol-5-ol	133	C8H7NO	001953-54-4	30

Tentatively Identified Compound (LSC) summary

Operator ID: BP Date Acquired: 25 Jun 2004 12:52 pm
Data File: C:\HPCHEM\1\DATA\N40625\N4062509.D
Name: 0406C14-007B 47087
Misc: SAMP 8270_TCL4.2_W
Method: C:\HPCHEM\1\METHODS\B030404.M (RTE Integrator)
Title: CCV CURVE 12/3/03
Library Searched: C:\DATABASE\NIST98.l

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Methylene Chloride	2.40	60.0	ng	616783	ISTD01	4.42	411509	40.0
1H-Benzotriazole, 5-methyl- 5-	8.83	28.0	ng	446040	ISTD03	8.48	636256	40.0
1-Dodecanamine, N,N-dimethyl-	10.37	93.8	ng	1609030	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.46	9.3	ng	159910	ISTD04	11.27	686067	40.0
Dimethyl ionone	10.52	14.2	ng	242842	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.59	9.1	ng	155334	ISTD04	11.27	686067	40.0
Tricyclo[3.3.1.13,7]decanone,4-iodo-,	10.64	4.7	ng	80483	ISTD04	11.27	686067	40.0
Phenol, nonyl-	10.72	9.9	ng	170059	ISTD04	11.27	686067	40.0
1,3-Cyclopentadiene, 5,5-dimethyl-1,2-Dipropyl	10.81	4.7	ng	80335	ISTD04	11.27	686067	40.0
4-Nonylphenol	10.88	10.6	ng	182283	ISTD04	11.27	686067	40.0
Acetamide, N-(2-methylphenyl)-	10.93	6.7	ng	115159	ISTD04	11.27	686067	40.0
4-Amino-2-methyl-5,6-trimethylenepyrimidine	10.97	6.0	ng	102685	ISTD04	11.27	686067	40.0
1-Nonadecanamine, N,N-dimethyl	12.18	60.4	ng	1036400	ISTD04	11.27	686067	40.0
Decanamide, N-(2-hydroxyethyl)	14.12	7.1	ng	126966	ISTD05	16.84	714113	40.0
2-Ethyl-5-(12-tridecenyl)pyrrolidine	15.52	6.2	ng	110788	ISTD05	16.84	714113	40.0
Cyclobutene, bis(1-methylethylidene)	15.58	8.4	ng	150069	ISTD05	16.84	714113	40.0
2-Pyrrolidinone	15.69	9.0	ng	161111	ISTD05	16.84	714113	40.0
Benzenemethanol, ar,ar,.alpha.-trimethyl-	16.12	8.5	ng	151987	ISTD05	16.84	714113	40.0

N4062509.D B030404.M Tue Jul 20 10:24:30 2004

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 2:59:35 P**
Prep End Date: **6/24/2004 4:38:24 P**

Prep Batch **47086** Prep Code: **3580A_BNA** Technician: **Chuck Weiss**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003B	Waste		0.001	0	0	10	10000.000	6/24/2004	6/24/2004
0406C14-001D	Waste		0.00106	0	0	10	9433.962	6/24/2004	6/24/2004
0406C14-001DMS	Waste		0.00103	0	0	10	9708.738	6/24/2004	6/24/2004
0406C14-001DMSD	Waste		0.00103	0	0	10	9708.738	6/24/2004	6/24/2004
0406C14-002D	Waste		0.00104	0	0	10	9615.385	6/24/2004	6/24/2004
0406C14-003D	Waste		0.00101	0	0	10	9900.990	6/24/2004	6/24/2004
LCS-47086			0.001	0	0	10	10000.000	6/24/2004	6/24/2004
MB-47086			0.001	0	0	10	10000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **MB-47086**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52620**
Client ID:	Batch ID: **47086**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	100									
2,4,5-Trichlorophenol	BRL	500									
2,4,6-Trichlorophenol	BRL	100									
2,4-Dichlorophenol	BRL	100									
2,4-Dimethylphenol	BRL	100									
2,4-Dinitrophenol	BRL	500									
2,4-Dinitrotoluene	BRL	100									
2,6-Dinitrotoluene	BRL	100									
2-Chloronaphthalene	BRL	100									
2-Chlorophenol	BRL	100									
2-Methylnaphthalene	BRL	100									
2-Methylphenol	BRL	100									
2-Nitroaniline	BRL	500									
2-Nitrophenol	BRL	100									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	500									
4,6-Dinitro-2-methylphenol	BRL	500									
4-Bromophenyl phenyl ether	BRL	100									
4-Chloro-3-methylphenol	BRL	100									
4-Chloroaniline	BRL	100									
4-Chlorophenyl phenyl ether	BRL	100									
4-Methylphenol	BRL	100									
4-Nitroaniline	BRL	500									
4-Nitrophenol	BRL	500									
Acenaphthene	BRL	100									
Acenaphthylene	BRL	100									
Acetophenone	BRL	100									
Anthracene	BRL	100									
Atrazine	BRL	100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **MB-47086**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52620**
Client ID:	Batch ID: **47086**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	BRL	100									
Benzaldehyde	BRL	100									
Benzo(a)pyrene	BRL	100									
Benzo(b)fluoranthene	BRL	100									
Benzo(g,h,i)perylene	BRL	100									
Benzo(k)fluoranthene	BRL	100									
Bis(2-chloroethoxy)methane	BRL	100									
Bis(2-chloroethyl)ether	BRL	100									
Bis(2-chloroisopropyl)ether	BRL	100									
Bis(2-ethylhexyl)phthalate	BRL	100									
Butyl benzyl phthalate	BRL	100									
Caprolactam	BRL	100									
Carbazole	BRL	100									
Chrysene	BRL	100									
Dibenz(a,h)anthracene	BRL	100									
Dibenzofuran	BRL	100									
Diethyl phthalate	BRL	100									
Dimethyl phthalate	BRL	100									
Di-n-butyl phthalate	BRL	100									
Di-n-octyl phthalate	BRL	100									
Fluoranthene	BRL	100									
Fluorene	BRL	100									
Hexachlorobenzene	BRL	100									
Hexachlorobutadiene	BRL	100									
Hexachlorocyclopentadiene	BRL	100									
Hexachloroethane	BRL	100									
Indeno(1,2,3-cd)pyrene	BRL	100									
Isophorone	BRL	100									
Naphthalene	BRL	100									
Nitrobenzene	BRL	100									
N-Nitrosodi-n-propylamine	BRL	100									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **MB-47086**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52620**
Client ID:	Batch ID: **47086**	TestNo: **SW8270C**		Analysis Date: **6/25/2004**	SeqNo: **1010168**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	BRL	100									
Pentachlorophenol	BRL	500									
Phenanthrene	BRL	100									
Phenol	BRL	100									
Pyrene	BRL	100									
Surr: 2,4,6-Tribromophenol	1052	0	1000	0	105	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	475.7	0	500	0	95.1	12.9	120	0	0		
Surr: 2-Fluorophenol	866.8	0	1000	0	86.7	10	119	0	0		
Surr: 4-Terphenyl-d14	482.2	0	500	0	96.4	41.5	128	0	0		
Surr: Nitrobenzene-d5	519.4	0	500	0	104	10	121	0	0		
Surr: Phenol-d5	892.7	0	1000	0	89.3	12.6	121	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **LCS-47086** SampType: **LCS** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010169**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	867.7	100	1000	0	86.8	33	123	0	0		
2-Chlorophenol	911.9	100	1000	0	91.2	10	118	0	0		
4-Chloro-3-methylphenol	974.4	100	1000	0	97.4	10	138	0	0		
4-Nitrophenol	905.9	500	1000	0	90.6	24.3	135	0	0		
Acenaphthene	928.5	100	1000	0	92.8	17.5	122	0	0		
N-Nitrosodi-n-propylamine	1036	100	1000	0	104	10	129	0	0		
Pentachlorophenol	547.8	500	1000	0	54.8	38.5	128	0	0		
Phenol	846.1	100	1000	0	84.6	10	115	0	0		
Pyrene	927.1	100	1000	0	92.7	58.6	117	0	0		
Surr: 2,4,6-Tribromophenol	985.9	0	1000	0	98.6	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	458.5	0	500	0	91.7	12.9	120	0	0		
Surr: 2-Fluorophenol	765.6	0	1000	0	76.6	10	119	0	0		
Surr: 4-Terphenyl-d14	467.1	0	500	0	93.4	41.5	128	0	0		
Surr: Nitrobenzene-d5	509.2	0	500	0	102	10	121	0	0		
Surr: Phenol-d5	937.4	0	1000	0	93.7	12.6	121	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **0406C14-001DMS** SampType: **MS** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: **JW-WA-04** Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010171**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	750.6	97	970.9	0	77.3	29	123	0	0		
2-Chlorophenol	747.7	97	970.9	0	77	10	121	0	0		
4-Chloro-3-methylphenol	787.5	97	970.9	0	81.1	13.6	141	0	0		
4-Nitrophenol	933.5	490	970.9	0	96.2	10.4	152	0	0		
Acenaphthene	805.7	97	970.9	0	83	13.9	121	0	0		
N-Nitrosodi-n-propylamine	871.7	97	970.9	0	89.8	10	130	0	0		
Pentachlorophenol	389.1	97	970.9	0	40.1	30	133	0	0		
Phenol	691.3	97	970.9	0	71.2	10	119	0	0		
Pyrene	774.4	97	970.9	0	79.8	42.4	128	0	0		
Surr: 2,4,6-Tribromophenol	810.2	0	970.9	0	83.4	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	394	0	485.4	0	81.2	12.9	120	0	0		
Surr: 2-Fluorophenol	590.3	0	970.9	0	60.8	10	119	0	0		
Surr: 4-Terphenyl-d14	391.5	0	485.4	0	80.6	41.5	128	0	0		
Surr: Nitrobenzene-d5	410.9	0	485.4	0	84.6	10	121	0	0		
Surr: Phenol-d5	705.3	0	970.9	0	72.6	12.6	121	0	0		

Sample ID **0406C14-001DMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: **JW-WA-04** Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	786.1	97	970.9	0	81	29	123	750.6	4.62	26.1	
2-Chlorophenol	776.8	97	970.9	0	80	10	121	747.7	3.82	53.1	
4-Chloro-3-methylphenol	848.4	97	970.9	0	87.4	13.6	141	787.5	7.45	34.7	
4-Nitrophenol	973.8	490	970.9	0	100	10.4	152	933.5	4.22	28.7	
Acenaphthene	849	97	970.9	0	87.4	13.9	121	805.7	5.23	49	
N-Nitrosodi-n-propylamine	875.8	97	970.9	0	90.2	10	130	871.7	0.467	46.5	
Pentachlorophenol	455.5	97	970.9	0	46.9	30	133	389.1	15.7	26.9	
Phenol	661.2	97	970.9	0	68.1	10	119	691.3	4.45	47.1	
Pyrene	834.9	97	970.9	0	86	42.4	128	774.4	7.52	23.9	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_X

Sample ID **0406C14-001DMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52620**
Client ID: **JW-WA-04** Batch ID: **47086** TestNo: **SW8270C** Analysis Date: **6/25/2004** SeqNo: **1010172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	859.2	0	970.9	0	88.5	35.5	131	810.2	0	0	
Surr: 2-Fluorobiphenyl	419.7	0	485.4	0	86.5	12.9	120	394	0	0	
Surr: 2-Fluorophenol	619.2	0	970.9	0	63.8	10	119	590.3	0	0	
Surr: 4-Terphenyl-d14	420.4	0	485.4	0	86.6	41.5	128	391.5	0	0	
Surr: Nitrobenzene-d5	439.4	0	485.4	0	90.5	10	121	410.9	0	0	
Surr: Phenol-d5	723	0	970.9	0	74.5	12.6	121	705.3	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: D:\MSDCHEM\DATA\S40227

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	S022701.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 10:56
2	1	S022702.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 11:33
3	2	S022703.d	1.	BNA40 2216	CCV 8270_PAH_W	27 Feb 2004 12:11
4	1	S022704.d	1.	DFTPP 2211	TUNE DFTPP_4	27 Feb 2004 12:48
5	2	S022705.d	1.	BNA10 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 13:15
6	3	S022706.d	1.	BNA20 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 13:53
7	4	S022707.d	1.	BNA40 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 14:30
8	5	S022708.d	1.	BNA60 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 15:07
9	6	S022709.d	1.	BNA80 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 15:44
10	7	S022710.d	1.	BNA120 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 16:22
11	8	S022711.d	1.	BNA160 2238	ICAL 8270_TCL4.2_W	27 Feb 2004 16:59
12	9	S022712.d	1.	BNA120 2202	ICV 8270_TCL4.2_W	27 Feb 2004 17:36
13	10	S022713.d	1.	BNA40 2202	ICV 8270_TCL4.2_W	27 Feb 2004 18:13
14	11	S022714.d	1.	625SPIKETEST 2252	ICV 8270_TCL4.2_W	27 Feb 2004 18:51
15	12	S022715.d	1.	MBLK	MBLK 8270_TCL4.2_S	27 Feb 2004 19:29
16	13	S022716.d	1.	0402999-002B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 20:06
17	14	S022717.d	1.	0402999-003B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 20:44
18	15	S022718.d	1.	0402999-004B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 21:21
19	16	S022719.d	1.	0402999-006B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 21:59
20	17	S022720.d	1.	0402999-011B 10X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 22:37
21	18	S022721.d	1.	0402999-011B 100X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 23:14
22	19	S022722.d	1.	0402999-003B 100X 42845	SAMP 8270_TCL4.2_S	27 Feb 2004 23:52

Calibration Curve Review Checklist for 8270C/625

Matrix: **CH2CL2** Instrument: **MS-10** Date Prepared: **5/24/2004**

Curve ID: **B052404.M**

- Does the calibration curve contain a minimum of 5 points? ____
- If average response factor used in calculation are all non CCC & SPCC compound RPD ±15% (8270C) ✔
- If response factor is used are all RF RSD <35%. (625) ✔
- If linear regression used in calculation, is the correlation coefficient (r) > 0.995 ✔
- Is the lowest data point in each curve at the PQL in LIMS ☐

  List any analytes with data point below PQL

- Is the highest data point in each curve at the UQL in LIMS ✔
- Is the peak area for any of the internal standards stay within a factor of two (- 50% to + 100%) of the mid-point standard in the curve ✔
- Is the relative retention time (RRT) of each target analyte in each calibration standard within 0.06 RRT units of the other calibration standards ✔
- Is the average response factor for all CCC compounds within 30% (circle CCC that are above 30%) CCC compounds are: (8270C) ____

Base Neutral Fraction	**Acid Fraction**
Acenaphthene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
Diphenylamine	Phenol
Di-n-octyl phthalate	Pentachlorophenol
Fluoranthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

Comments:

- Is the response factors for the SPCC compounds above 0.050 (Circle SPCC that are below) (8270C) ✔

  N-nitroso-di-n-propylamine hexachlorocyclopentadiene
  2,4-dinitrophenol 4-nitrophenol.

Comments:

- Does the ICV pass for 8270C (RSD < = 20% for CCCs; min RF for SPCC 0.050; RSD <=20% for special targets) ✔
- Does ICV pass for 625 (all targets +-20% of true value).
- Is ICV second source standard from ICAL standards ✔
- Is the standard preparation information included and properly signed and dated. ____
- Is run log included and properly signed and dated. ✔
- Are all chromatograms included and properly signed and dated. ✔

Analyst: _____ Date: **5/25/2004** Time: **12:43 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

Comments:

ICV failed for hexachlorocyclopentadiene at first time.

Calibration Status Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	160	160	40	D:\MSDCHEM\DATA\S40227\S022711.D
2	60	60	40	D:\MSDCHEM\DATA\S40227\S022708.D
3	40	40	40	D:\MSDCHEM\DATA\S40227\S022707.D
4	120	120	40	D:\MSDCHEM\DATA\S40227\S022710.D
5	80	80	40	D:\MSDCHEM\DATA\S40227\S022709.D
6	10	10	40	D:\MSDCHEM\DATA\S40227\S022705.D
7	20	20	40	D:\MSDCHEM\DATA\S40227\S022706.D

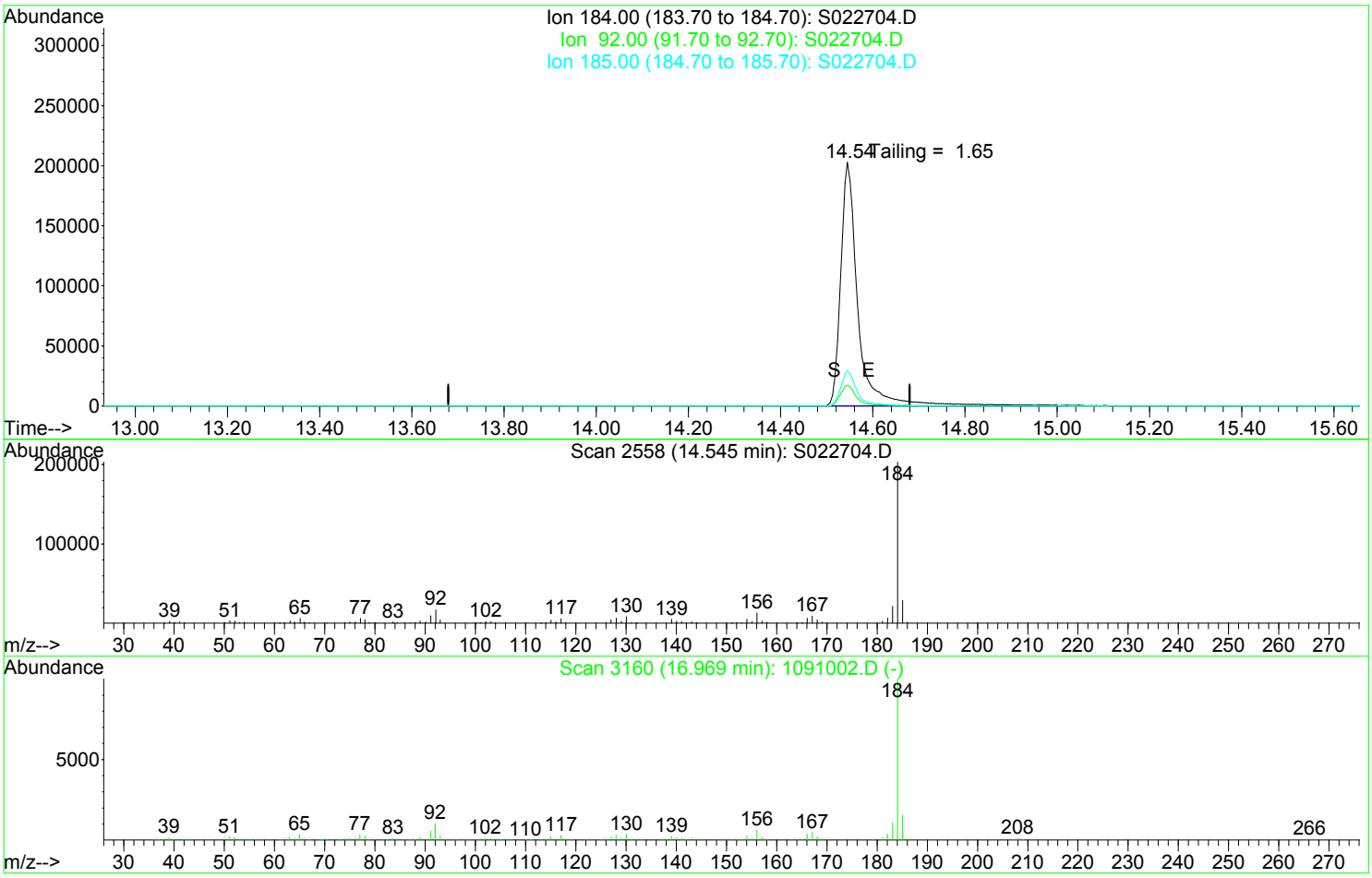
#	ID	Update Time	Quant Time	Acquisition Time
1	160	Mar 01 08:53 2004	Mar 01 08:53 2004	27 Feb 2004 4:59 pm
2	60	Mar 01 08:54 2004	Mar 01 08:48 2004	27 Feb 2004 3:07 pm
3	40	Mar 01 08:54 2004	Mar 01 08:46 2004	27 Feb 2004 2:30 pm
4	120	Mar 01 08:55 2004	Mar 01 08:51 2004	27 Feb 2004 4:22 pm
5	80	Mar 01 08:55 2004	Mar 01 08:49 2004	27 Feb 2004 3:44 pm
6	10	Mar 01 08:54 2004	Mar 01 08:43 2004	27 Feb 2004 1:15 pm
7	20	Mar 01 09:32 2004	Mar 01 09:32 2004	27 Feb 2004 1:53 pm

B022704.M Mon Mar 01 09:55:31 2004

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022704.D **Vial: 1**
Acq On : 27 Feb 2004 12:48 pm **Operator: YH**
Sample : DFTPP 2211 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:24 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Sep 26 09:38:04 2003
Response via : Multiple Level Calibration



TIC: S022704.D

(6) Benzidine (T)

14.54min 0.00ng

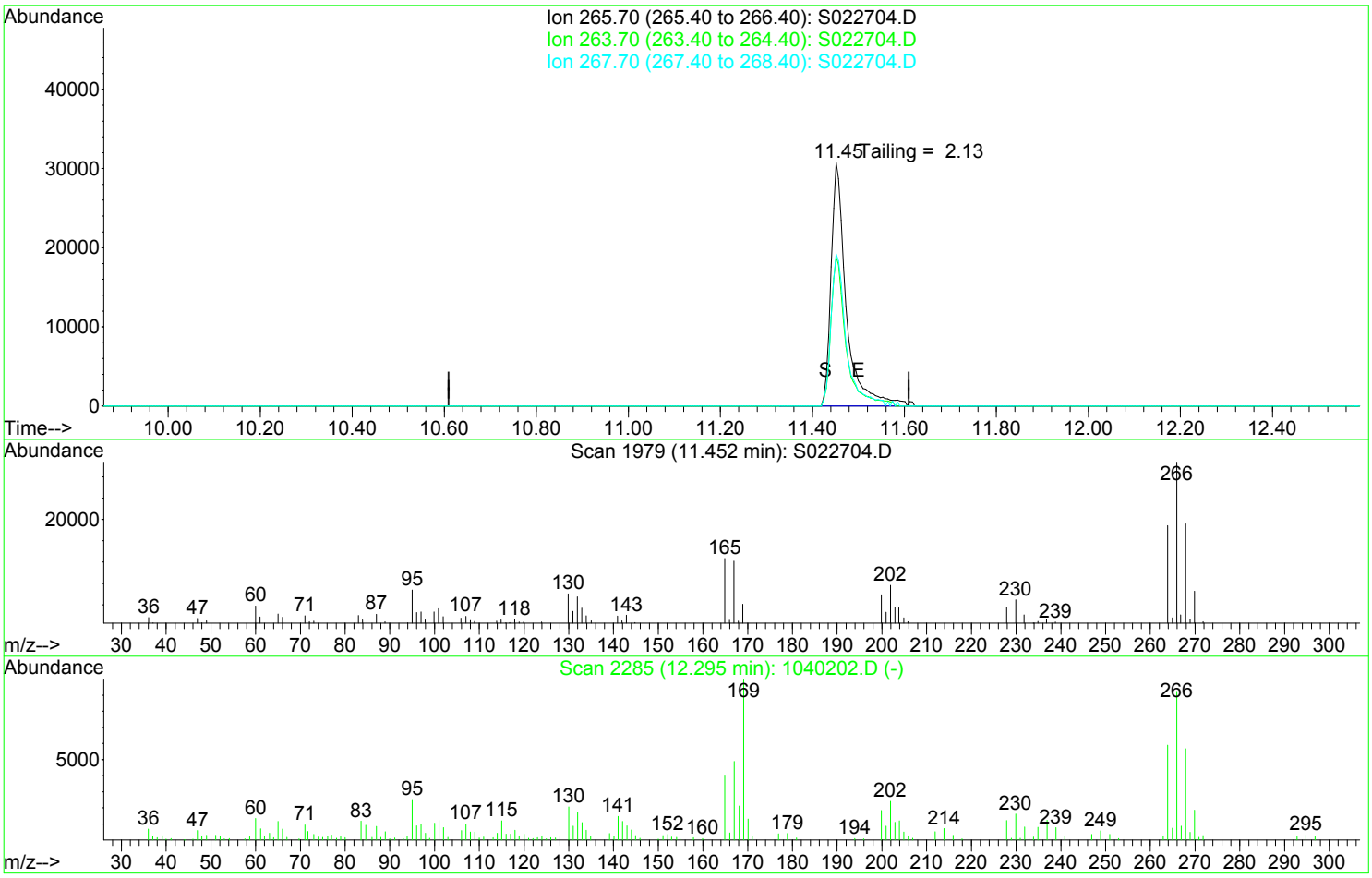
response 498873

Ion	Exp%	Act%
184.00	100	100
92.00	10.50	8.55
185.00	14.80	14.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022704.D **Vial: 1**
Acq On : 27 Feb 2004 12:48 pm **Operator: YH**
Sample : DFTPP 2211 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:24 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Sep 26 09:38:04 2003
Response via : Multiple Level Calibration



TIC: S022704.D

(3) Pentachlorophenol (CCC)

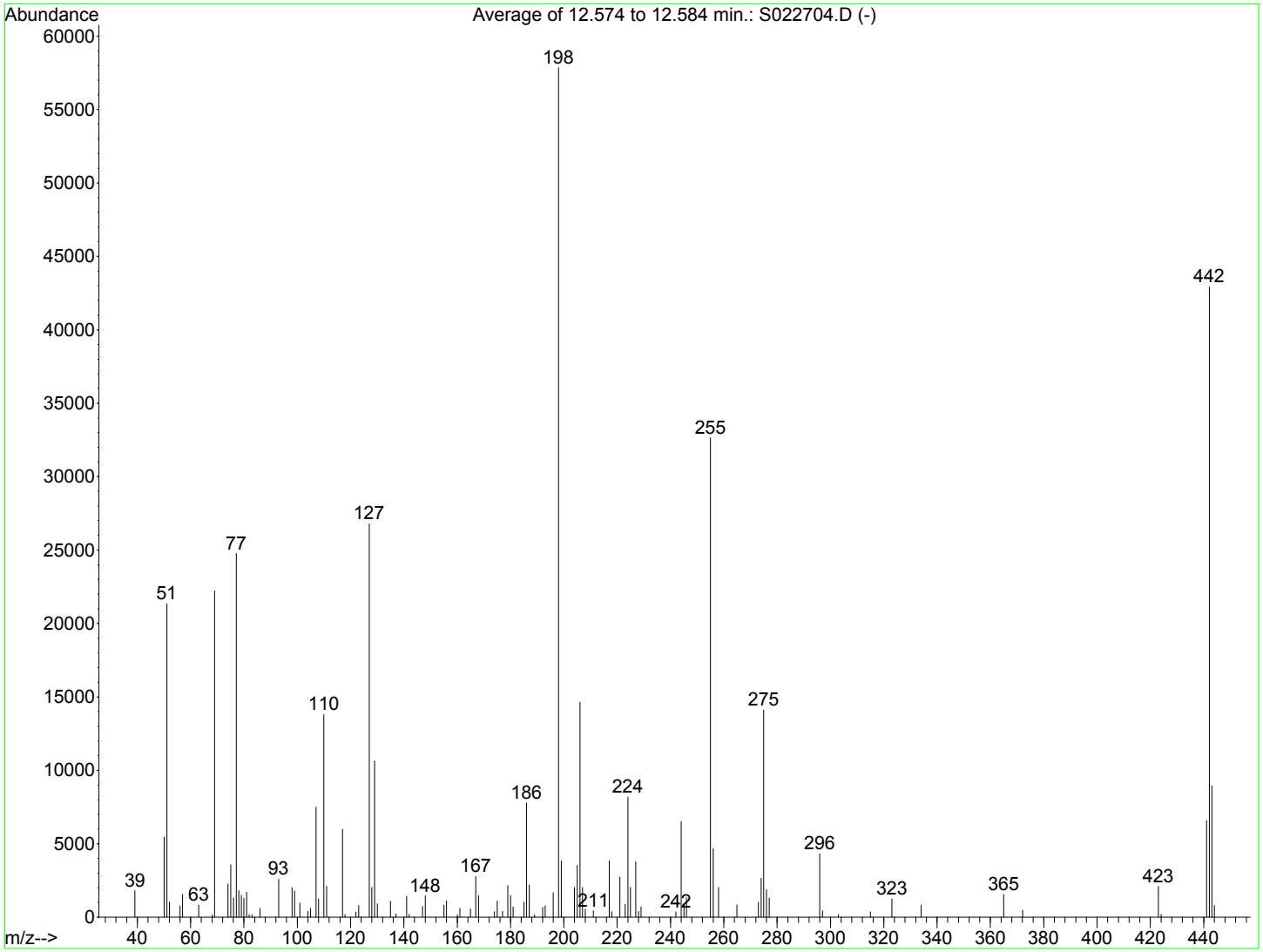
11.45min 0.00ng

response 70345

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	61.11
267.70	63.60	62.56
0.00	0.00	0.00

DFTPP 625 Results

D:\MSDCHEM\DATA\S40227\S022704.D **Mon Mar 01 09:26:52 2004**



Peak Apex is scan: 2190
Average of 3 scans: 2189,2190,2191 minus background scan 2182

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	36.9	PASS
68	69	0	2	0.8	PASS
69	198	0	100	38.4	PASS
70	69	0	2	0.0	PASS
127	198	40	60	46.3	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.6	PASS
275	198	10	30	24.4	PASS
365	198	1	100	2.7	PASS
441	443	0	100	73.8	PASS
442	198	40	100	74.2	PASS
443	442	17	23	20.8	PASS

Information from Data File:
File: D:\MSDCHEM\DATA\S40227\S022704.D
Operator: YH
Date Acquired: 27 Feb 2004 12:48 pm
Method File: &RTX5
Sample Name: DFTPP 2211
Misc Info: TUNE DFTPP_4
Vial Number: 1

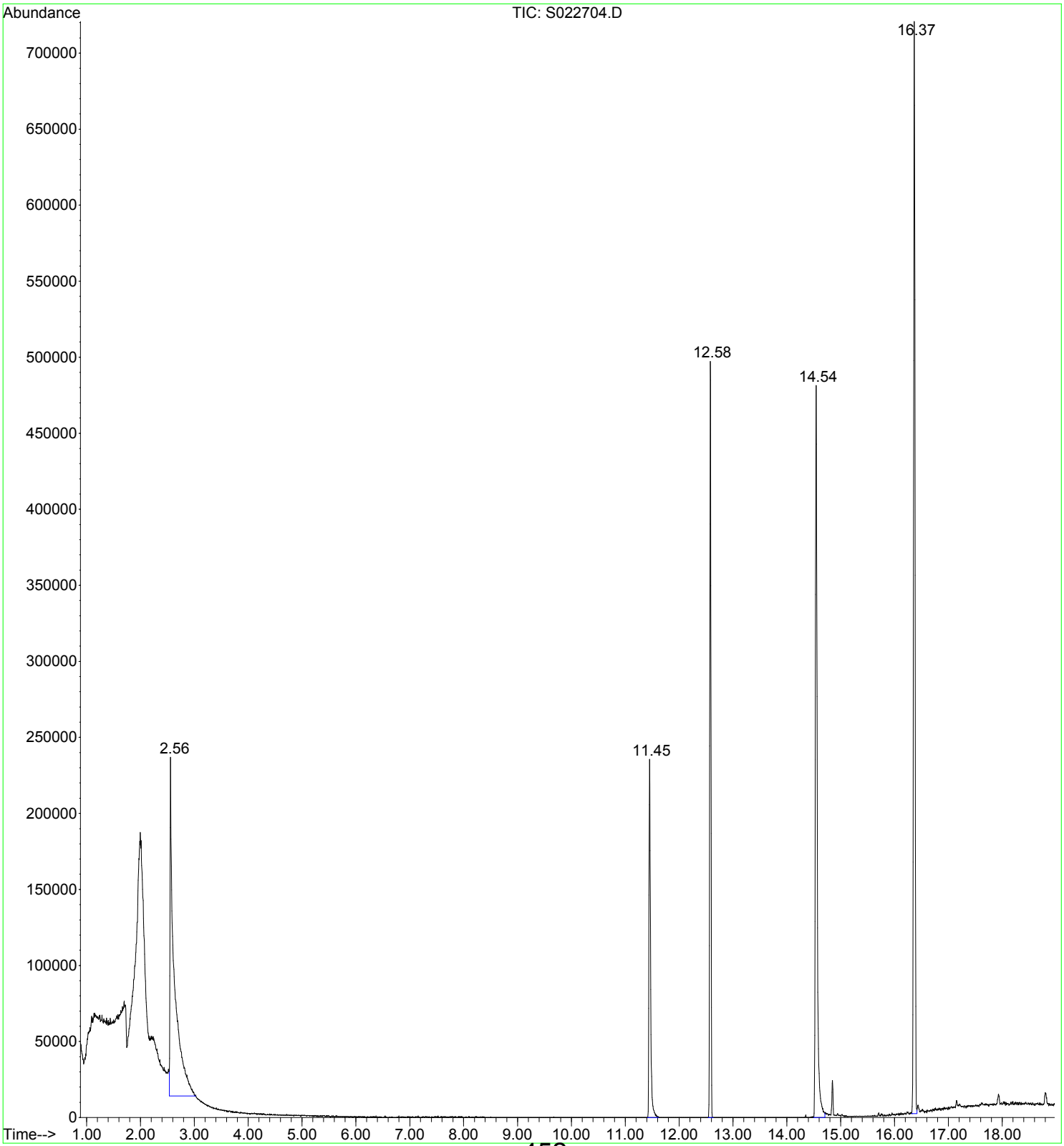
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	2.56	24.01	C:\DATABASE\NIST98.L			
			Methylene Chloride	111039	000075-09-2	95
			Methylene Chloride	12327	000075-09-2	94
			Methylene Chloride	111041	000075-09-2	91
2	11.45	9.76	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	91
3	12.58	15.60	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	98
4	14.54	22.96	C:\DATABASE\NIST98.L			
			Benzidine	78849	000092-87-5	96
			Benzidine	125573	000092-87-5	95
			Benzidine	125547	000092-87-5	94
5	16.37	27.66	C:\DATABASE\NIST98.L			
			o,p'-DDT	90534	000789-02-6	92
			Chlorophenothane	127287	000050-29-3	91
			Technical chlorophenothane	90477	008017-34-3	91

Area Percent Report

Data File : D:\MSDCHEM\DATA\S40227\S022704.D **Vial: 1**
Acq On : 27 Feb 2004 12:48 pm **Operator: YH**
Sample : DFTPP 2211 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



Area Percent Report

Data File : D:\MSDCHEM\DATA\S40227\S022704.D Vial: 1
Acq On : 27 Feb 2004 12:48 pm Operator: YH
Sample : DFTPP 2211 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.557	310	314	399	rVB	222744	1188392	86.82%	24.013%
2	11.452	1972	1979	2008	rBB	235614	482941	35.28%	9.759%
3	12.579	2183	2190	2198	rBB2	497278	772254	56.42%	15.605%
4	14.545	2549	2558	2588	rBV	481425	1136443	83.02%	22.964%
5	16.367	2890	2899	2908	rBV	718163	1368847	100.00%	27.660%

Sum of corrected areas: 4948877

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		Pyridine	1.188	1.155	1.145	1.174	1.178	0.978	1.128	6.72
3)	T	2-Picoline	1.268	1.251	1.192	1.256	1.280	1.035	1.202	7.49
4)	T	Methyl methanes	0.754	0.770	0.746	0.760	0.761	0.601	0.725	8.52
5)	S	2-Fluorophenol	1.194	1.175	1.163	1.193	1.184	0.894	1.117	10.40
6)	T	Ethyl methanesu	0.999	1.010	0.981	1.004	1.001	0.858	0.966	6.07
7)		Benzaldehyde		0.923	0.979	0.628	0.822	0.849	0.855	14.60
8)	T	Aniline	0.799	0.763	0.759	0.819	0.810	0.635	0.749	9.79
9)	S	Phenol-d5	1.590	1.600	1.587	1.617	1.621	1.369	1.553	5.94
10)	CCC	Phenol	1.692	1.725	1.668	1.719	1.735	1.314	1.647	9.05
11)	T	Bis(2-chloroeth	1.077	1.095	1.093	1.103	1.108	0.996	1.060	5.90
12)	T	2-Chlorophenol	1.363	1.395	1.385	1.378	1.386	1.242	1.350	4.24
13)	T	1,3-Dichloroben	1.483	1.545	1.536	1.508	1.534	1.479	1.511	1.83
14)	CCC	1,4-Dichloroben	1.538	1.592	1.561	1.548	1.581	1.583	1.570	1.34
15)	T	1,2-Dichloroben	1.422	1.489	1.509	1.457	1.483	1.429	1.465	2.16
16)	T	Benzyl alcohol	0.906	0.898	0.890	0.910	0.912	0.698	0.859	9.44
17)	T	Bis(2-chloroiso	2.139	2.228	2.253	2.168	2.222	2.177	2.197	1.80
18)	T	2-Methylphenol	1.040	1.064	1.076	1.062	1.063	1.043	1.051	2.19
19)	T	3&4-Methylpheno	1.237	1.286	1.296	1.275	1.284	1.229	1.272	2.19
20)	PC	N-Nitrosodi-n-p	1.039	1.074	1.080	1.055	1.068	1.005	1.051	2.49
21)	T	N-Nitrosodimeth	0.558	0.586	0.546	0.554	0.532	0.400	0.524	11.83
22)	T	Hexachloroethan	0.578	0.599	0.598	0.582	0.594	0.589	0.590	1.34
23)	I	Naphthalene-d8	----------	ISTD	----------					
24)	S	Nitrobenzene-d5	0.406	0.415	0.411	0.414	0.417	0.363	0.402	4.92
25)	T	Acetophenone	0.491	0.514	0.514	0.507	0.517	0.490	0.504	2.31
26)	M	Nitrobenzene	0.403	0.425	0.422	0.404	0.420	0.419	0.411	3.57
27)	T	N-Nitrosopiperi	0.181	0.185	0.181	0.182	0.184	0.157	0.177	5.67
28)	T	Isophorone	0.715	0.735	0.734	0.728	0.738	0.692	0.722	2.34
29)	CCC	2-Nitrophenol	0.204	0.210	0.203	0.208	0.209	0.162	0.197	9.11
30)	T	2,4-Dimethylphe	0.321	0.332	0.330	0.327	0.331	0.296	0.321	4.19
31)	T	Bis(2-chloroeth	0.405	0.420	0.414	0.409	0.416	0.369	0.404	4.33
32)	CCC	2,4-Dichlorophe	0.311	0.322	0.313	0.316	0.322	0.271	0.307	6.02
33)	T	1,2,4-Trichloro	0.339	0.357	0.350	0.346	0.355	0.335	0.346	2.48
34)	T	Naphthalene	1.070	1.136	1.140	1.102	1.128	1.108	1.112	2.23
35)	T	Benzoic acid	0.114			0.087	0.017		0.073	69.38
36)	T	2,6-Dichlorophe	0.300	0.316	0.314	0.305	0.314	0.287	0.305	3.46
37)	T	4-Chloroaniline	0.426	0.461	0.456	0.449	0.460	0.402	0.441	4.92

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
38)	CCC	Hexachlorobutad	0.200	0.208	0.209	0.206	0.205	0.201	0.204	1.80
39)	T	a,a-Dimethylphe	0.959	0.926	0.955	1.000	0.932	0.779	0.917	7.91
40)		Caprolactam	0.206	0.203	0.203	0.210	0.210	0.158	0.195	10.28
41)	CCC	4-Chloro-3-meth	0.321	0.324	0.322	0.326	0.327	0.275	0.313	6.31
42)	T	N-Nitrosodi-n-b	0.340	0.348	0.357	0.347	0.347	0.330	0.339	4.83
43)	T	2-Methylnaphtha	0.713	0.760	0.752	0.737	0.744	0.720	0.737	2.24
44)	T	1-Methylnaphtha	0.714	0.761	0.756	0.734	0.751	0.720	0.739	2.43
45)	I	Acenaphthene-d10	----------ISTD----------							
46)	T	1,2,4,5-Tetrach	0.579	0.606	0.608	0.586	0.606	0.602	0.596	1.98
47)	PC	Hexachlorocyclo	0.274	0.256	0.229	0.271	0.263	0.157	0.234	19.60
48)	CCC	2,4,6-Trichloro	0.380	0.388	0.380	0.391	0.392	0.352	0.376	4.72
49)	T	2,4,5-Trichloro	0.418	0.427	0.433	0.427	0.433	0.379	0.417	4.81
50)	S	2-Fluorobipheny	1.344	1.432	1.417	1.372	1.409	1.404	1.394	2.17
51)		Biphenyl	1.599	1.722	1.721	1.646	1.703	1.702	1.683	2.67
52)	T	2-Chloronaphtha	1.099	1.197	1.196	1.138	1.178	1.154	1.161	2.99
53)	T	1-Chloronaphtha	1.082	1.155	1.148	1.110	1.142	1.182	1.137	2.84
54)	T	2-Nitroaniline	0.364	0.361	0.349	0.365	0.364	0.275	0.342	9.96
55)	T	3-Nitroaniline	0.341	0.340	0.333	0.348	0.347	0.240	0.320	12.46
56)	T	Pentachlorobenz	0.517	0.546	0.543	0.531	0.543	0.530	0.534	1.94
57)	T	4-Nitroaniline	0.344	0.339	0.328	0.354	0.350	0.213	0.318	15.87
58)	T	2-Naphthylamine	1.017	1.160	1.198	1.090	1.147	1.111	1.124	5.21
59)	T	1-Naphthylamine	1.021	1.211	1.245	1.091	1.189	1.139	1.154	6.68
60)	T	Dimethyl phthal	1.303	1.357	1.335	1.316	1.353	1.275	1.317	2.48
61)	T	Acenaphthylene	1.597	1.684	1.663	1.640	1.663	1.563	1.632	2.64
62)	T	2,6-Dinitrotolu	0.297	0.304	0.300	0.306	0.307	0.262	0.294	5.69
63)	CCC	Acenaphthene	1.122	1.183	1.168	1.150	1.178	1.175	1.159	1.98
64)	PC	2,4-Dinitrophen	0.215	0.166	0.130	0.202	0.182		0.157	38.51#
65)	T	Dibenzofuran	1.635	1.710	1.720	1.672	1.708	1.652	1.679	2.01
66)	PC	4-Nitrophenol	0.238	0.198	0.241	0.233	0.220	0.165	0.217	12.45
67)	M	2,4-Dinitrotolu	0.422	0.420	0.418	0.430	0.434	0.319	0.404	10.15
68)	T	2,3,4,6-Tetrach	0.360	0.358	0.356	0.365	0.365	0.290	0.345	8.18
69)	T	Diethyl phthala	1.305	1.350	1.361	1.341	1.363	1.277	1.328	2.59
70)	T	Fluorene	1.375	1.474	1.459	1.425	1.451	1.413	1.430	2.37
71)	T	4-Chlorophenyl	0.659	0.704	0.709	0.683	0.704	0.682	0.690	2.52
72)	S	2,4,6-Tribromop	0.209	0.208	0.206	0.213	0.209	0.174	0.202	6.87
73)	I	Phenanthrene-d10	----------ISTD----------							
74)	T	4,6-Dinitro-2-m	0.170	0.160	0.146	0.170	0.163	0.064	0.140	28.72

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration

Calibration Files
160 =S022711.D 60 =S022708.D 40 =S022707.D
120 =S022710.D 80 =S022709.D 10 =S022705.D

		Compound	160	60	40	120	80	10	Avg	%RSD
75)	T	Azobenzene	0.733	0.774	0.777	0.752	0.770	0.731	0.755	2.54
76)	T	1,2-Diphenylhyd	0.220	0.232	0.226	0.223	0.225	0.211	0.222	3.30
77)	CCC	Diphenylamine	0.146	0.158	0.159	0.151	0.153	0.149	0.152	2.95
78)	T	N-Nitrosodiphen	0.729	0.784	0.782	0.750	0.765	0.733	0.756	2.90
79)	T	4-Bromophenyl p	0.233	0.241	0.237	0.235	0.237	0.217	0.232	3.60
80)	T	Phenacetin	0.379	0.371	0.361	0.378	0.377	0.261	0.348	13.05
81)	T	Hexachlorobenze	0.234	0.246	0.243	0.235	0.240	0.237	0.238	2.00
82)		Atrazine	0.228	0.243	0.243	0.236	0.240	0.221	0.234	3.75
83)	T	4-Aminobiphenyl	0.710	0.817	0.832	0.760	0.799	0.751	0.778	5.39
84)	CCC	Pentachlorophen	0.162	0.146	0.132	0.158	0.149	0.058	0.129	29.61#
85)	T	Pentachloronitr	0.101	0.105	0.104	0.103	0.102	0.094	0.101	3.95
86)	T	Pronamide	0.338	0.349	0.346	0.342	0.347	0.302	0.335	5.24
87)	T	Phenanthrene	1.154	1.213	1.218	1.168	1.197	1.185	1.187	1.96
88)	T	Anthracene	1.149	1.206	1.210	1.174	1.192	1.143	1.178	2.23
89)	T	Carbazole	1.100	1.119	1.124	1.114	1.122	1.024	1.094	3.51
90)	T	Di-n-butyl phth	1.272	1.342	1.321	1.296	1.331	1.178	1.282	4.62
91)	CCC	Fluoranthene	1.347	1.406	1.397	1.369	1.400	1.260	1.356	3.97
92)	I	Chrysene-d12	----------ISTD----------							
93)	T	Pyrene	1.308	1.354	1.369	1.330	1.341	1.308	1.334	1.69
94)	S	4-Terphenyl-d14	0.945	0.979	0.985	0.965	0.972	0.936	0.963	1.82
95)	T	Benzidine	0.368	0.509	0.539	0.456	0.480	0.589	0.499	14.63
96)	T	Dimethylaminoaz	0.292	0.297	0.297	0.298	0.299	0.257	0.287	5.80
97)	T	Butyl benzyl ph	0.581	0.591	0.584	0.589	0.587	0.538	0.574	3.68
98)	T	Benz(a)anthrace	1.311	1.355	1.348	1.336	1.345	1.278	1.322	2.47
99)	T	3,3'-Dichlorobe	0.446	0.494	0.497	0.473	0.489	0.469	0.476	3.93
100)	T	Chrysene	1.223	1.282	1.302	1.249	1.267	1.284	1.267	2.06
101)	T	Bis(2-ethylhexy	0.808	0.834	0.820	0.824	0.827	0.784	0.810	2.89
102)	CCC	Di-n-octyl phth	1.466	1.502	1.454	1.490	1.498	1.378	1.451	3.80
103)	T	3-Methylcholant	0.659	0.630	0.610	0.653	0.629	0.574	0.618	5.52
104)	T	Indeno[1,2,3-cd	1.520	1.352	1.301	1.477	1.369	1.219	1.352	8.61
105)	I	Perylene-d12	----------ISTD----------							
106)	T	Benzo[b]fluoran	1.677	1.667	1.678	1.652	1.716	1.532	1.637	4.42
107)	T	Benzo[k]fluoran	1.618	1.783	1.612	1.654	1.719	1.598	1.656	4.22
108)	CCC	Benzo[a]pyrene	1.543	1.597	1.585	1.569	1.589	1.451	1.547	3.54
109)	T	Dibenz(a,j)acri	1.482	1.395	1.383	1.481	1.415	1.256	1.387	6.15
110)	T	Dibenz(a,h)anth	1.652	1.594	1.602	1.657	1.604	1.464	1.580	4.75
111)	T	Benzo[g,h,i]per	1.811	1.685	1.675	1.796	1.714	1.567	1.691	5.53

(#) = Out of Range ### Number of calibration levels exceeded format ###

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	103	0.00
2		Pyridine	120.000	135.852	-13.2	112	-0.02
3	T	2-Picoline	120.000	124.766	-4.0	103	-0.02
4	T	Methyl methanesulfonate	120.000	109.043	9.1	90	-0.01
5	S	2-Fluorophenol	120.000	134.936	-12.4	109	-0.01
6	T	Ethyl methanesulfonate	120.000	133.392	-11.2	111	0.00
7		Benzaldehyde	120.000	58.040	51.6#	68	0.00
8	T	Aniline	120.000	139.487	-16.2	110	0.00
9	S	Phenol-d5	120.000	131.129	-9.3	109	0.00
10	CCC	Phenol	120.000	131.563	-9.6	109	0.00
11	T	Bis(2-chloroethyl)ether	120.000	126.846	-5.7	105	0.00
12	T	2-Chlorophenol	120.000	128.932	-7.4	109	0.00
13	T	1,3-Dichlorobenzene	120.000	124.439	-3.7	107	0.00
14	CCC	1,4-Dichlorobenzene	120.000	123.797	-3.2	108	0.00
15	T	1,2-Dichlorobenzene	120.000	124.262	-3.6	108	0.00
16	T	Benzyl alcohol	120.000	134.238	-11.9	109	0.00
17	T	Bis(2-chloroisopropyl)ether	120.000	123.341	-2.8	108	0.00
18	T	2-Methylphenol	120.000	128.486	-7.1	109	0.00
19	T	3&4-Methylphenol	240.000	298.545	-24.4	128	0.00
20	PC	N-Nitrosodi-n-propylamine	120.000	119.606	0.3	103	0.01
21	T	N-Nitrosodimethylamine	120.000	139.024	-15.9	113	-0.01
22	T	Hexachloroethane	120.000	124.449	-3.7	109	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	104	0.00
24	S	Nitrobenzene-d5	120.000	125.646	-4.7	106	0.00
25	T	Acetophenone	240.000	127.236	47.0#	55	0.00
26	M	Nitrobenzene	120.000	121.776	-1.5	107	0.00
27	T	N-Nitrosopiperidine	120.000	133.140	-10.9	112	0.01
28	T	Isophorone	120.000	125.624	-4.7	108	0.00
29	CCC	2-Nitrophenol	120.000	131.053	-9.2	107	0.00
30	T	2,4-Dimethylphenol	120.000	130.257	-8.5	111	0.00
31	T	Bis(2-chloroethoxy)methane	120.000	139.419	-16.2	119	0.00
32	CCC	2,4-Dichlorophenol	120.000	128.723	-7.3	108	-0.01
33	T	1,2,4-Trichlorobenzene	120.000	124.596	-3.8	108	0.00
34	T	Naphthalene	120.000	124.809	-4.0	109	0.00
35	T	Benzoic acid	120.000	126.230	-5.2	113	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	125.590	-4.7	109	0.00
37	T	4-Chloroaniline	120.000	129.074	-7.6	110	0.00
38	CCC	Hexachlorobutadiene	120.000	125.366	-4.5	108	0.00
39	T	a,a-Dimethylphenethylamine	120.000	118.853	1.0	94	0.16
40		Caprolactam	120.000	143.033	-19.2	115	0.05
41	CCC	4-Chloro-3-methylphenol	120.000	132.497	-10.4	110	0.00
42	T	N-Nitrosodi-n-butylamine	120.000	126.871	-5.7	107	0.01
43	T	2-Methylnaphthalene	120.000	127.764	-6.5	111	0.00
44	T	1-Methylnaphthalene	120.000	127.876	-6.6	111	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	103	0.00
46	T	1,2,4,5-Tetrachlorobenzene	120.000	117.425	2.1	103	0.00
47	PC	Hexachlorocyclopentadiene	120.000	133.952	-11.6	116	0.00
48	CCC	2,4,6-Trichlorophenol	120.000	122.231	-1.9	101	0.00
49	T	2,4,5-Trichlorophenol	120.000	122.144	-1.8	103	0.00
50	S	2-Fluorobiphenyl	120.000	120.034	-0.0	105	0.00
51		Biphenyl	120.000	128.016	-6.7	113	0.01
52	T	2-Chloronaphthalene	120.000	126.432	-5.4	111	0.00
53	T	1-Chloronaphthalene	120.000	105.608	12.0	93	0.00
54	T	2-Nitroaniline	120.000	128.771	-7.3	104	0.00
55	T	3-Nitroaniline	120.000	129.617	-8.0	103	0.00
56	T	Pentachlorobenzene	120.000	117.801	1.8	102	0.00
57	T	4-Nitroaniline	120.000	123.022	-2.5	104	0.02
58	T	2-Naphthylamine	120.000	116.164	3.2	103	0.01
59	T	1-Naphthylamine	120.000	117.871	1.8	107	0.01
60	T	Dimethyl phthalate	120.000	121.858	-1.5	105	0.01
61	T	Acenaphthylene	120.000	137.205	-14.3	118	0.00
62	T	2,6-Dinitrotoluene	120.000	123.473	-2.9	102	0.00
63	CCC	Acenaphthene	120.000	117.933	1.7	102	0.01
64	PC	2,4-Dinitrophenol	120.000	121.350	-1.1	106	-0.03
65	T	Dibenzofuran	120.000	120.932	-0.8	105	0.01
66	PC	4-Nitrophenol	120.000	125.095	-4.2	101	-0.06
67	M	2,4-Dinitrotoluene	120.000	125.795	-4.8	102	0.01
68	T	2,3,4,6-Tetrachlorophenol	120.000	114.987	4.2	94	0.00
69	T	Diethyl phthalate	120.000	117.842	1.8	101	0.02
70	T	Fluorene	120.000	118.573	1.2	103	0.00

(#) = Out of Range

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	117.742	1.9	102	0.00
72	S	2,4,6-Tribromophenol	120.000	131.165	-9.3	107	0.00
73	I	Phenanthrene-d10	40.000	40.000	0.0	104	0.01
74	T	4,6-Dinitro-2-methylphenol	120.000	129.076	-7.6	111	0.02
75	T	Azobenzene	120.000	126.558	-5.5	110	0.01
76	T	1,2-Diphenylhydrazine	120.000	128.262	-6.9	110	0.01
77	CCC	Diphenylamine	120.000	110.061	8.3	96	0.02
78	T	N-Nitrosodiphenylamine	120.000	110.162	8.2	96	0.02
79	T	4-Bromophenyl phenyl ether	120.000	130.656	-8.9	111	0.00
80	T	Phenacetin	120.000	137.759	-14.8	110	0.03
81	T	Hexachlorobenzene	120.000	125.789	-4.8	110	0.01
82		Atrazine	120.000	120.416	-0.3	103	0.03
83	T	4-Aminobiphenyl	120.000	119.956	0.0	106	0.01
84	CCC	Pentachlorophenol	120.000	138.026	-15.0	121	0.00
85	T	Pentachloronitrobenzene	120.000	128.828	-7.4	109	0.02
86	T	Pronamide	120.000	122.984	-2.5	104	0.02
87	T	Phenanthrene	120.000	120.794	-0.7	106	0.02
88	T	Anthracene	120.000	130.506	-8.8	113	0.02
89	T	Carbazole	120.000	135.120	-12.6	115	0.00
90	T	Di-n-butyl phthalate	120.000	129.558	-8.0	111	0.01
91	CCC	Fluoranthene	120.000	127.459	-6.2	109	0.01
92	I	Chrysene-d12	40.000	40.000	0.0	104	0.02
93	T	Pyrene	120.000	130.144	-8.5	113	0.01
94	S	4-Terphenyl-d14	120.000	122.097	-1.7	105	0.00
95	T	Benzidine	120.000	81.835	31.8#	77	0.00
96	T	Dimethylaminoazobenzene	120.000	138.587	-15.5	115	0.00
97	T	Butyl benzyl phthalate	120.000	135.485	-12.9	114	0.01
98	T	Benz(a)anthracene	120.000	132.294	-10.2	113	0.02
99	T	3,3'-Dichlorobenzidine	120.000	122.179	-1.8	106	0.00
100	T	Chrysene	120.000	129.869	-8.2	114	0.02
101	T	Bis(2-ethylhexyl)phthalate	120.000	133.350	-11.1	113	0.01
102	CCC	Di-n-octyl phthalate	120.000	128.113	-6.8	108	0.02
103	T	3-Methylcholanthrene	120.000	141.093	-17.6	115	0.04
104	T	Indeno[1,2,3-cd]pyrene	120.000	132.687	-10.6	105	0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	101	0.02
106	T	Benzo[b]fluoranthene	120.000	129.076	-7.6	107	0.04
107	T	Benzo[k]fluoranthene	120.000	123.005	-2.5	103	0.06
108	CCC	Benzo[a]pyrene	120.000	128.904	-7.4	107	0.04
109	T	Dibenz(a,j)acridine	120.000	130.179	-8.5	102	0.04
110	T	Dibenz(a,h)anthracene	120.000	131.513	-9.6	105	0.04
111	T	Benzo[g,h,i]perylene	120.000	130.715	-8.9	103	0.05

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.01
2		Pyridine	40.000	42.845	-7.1	113	-0.02
3	T	2-Picoline	40.000	38.545	3.6	104	0.00
4	T	Methyl methanesulfonate	40.000	34.756	13.1	90	0.00
5	S	2-Fluorophenol	40.000	40.842	-2.1	105	0.00
6	T	Ethyl methanesulfonate	40.000	42.561	-6.4	112	0.00
7		Benzaldehyde	40.000	34.670	13.3	81	0.00
8	T	Aniline	40.000	43.311	-8.3	114	0.00
9	S	Phenol-d5	40.000	42.458	-6.1	111	0.00
10	CCC	Phenol	40.000	44.134	-10.3	116	0.00
11	T	Bis(2-chloroethyl)ether	40.000	37.512	6.2	97	0.00
12	T	2-Chlorophenol	40.000	42.093	-5.2	110	0.00
13	T	1,3-Dichlorobenzene	40.000	41.059	-2.6	108	0.01
14	CCC	1,4-Dichlorobenzene	40.000	41.264	-3.2	111	0.00
15	T	1,2-Dichlorobenzene	40.000	41.377	-3.4	107	0.01
16	T	Benzyl alcohol	40.000	42.469	-6.2	110	0.00
17	T	Bis(2-chloroisopropyl)ether	40.000	41.602	-4.0	108	0.00
18	T	2-Methylphenol	40.000	42.328	-5.8	110	0.00
19	T	3&4-Methylphenol	80.000	100.048	-25.1#	131	0.00
20	PC	N-Nitrosodi-n-propylamine	40.000	40.163	-0.4	104	0.01
21	T	N-Nitrosodimethylamine	40.000	44.269	-10.7	114	0.00
22	T	Hexachloroethane	40.000	41.617	-4.0	110	0.01
23	I	Naphthalene-d8	40.000	40.000	0.0	107	0.01
24	S	Nitrobenzene-d5	40.000	40.713	-1.8	107	0.00
25	T	Acetophenone	80.000	41.699	47.9#	55	0.00
26	M	Nitrobenzene	40.000	42.153	-5.4	110	0.00
27	T	N-Nitrosopiperidine	40.000	43.151	-7.9	113	0.01
28	T	Isophorone	40.000	41.578	-3.9	110	0.00
29	CCC	2-Nitrophenol	40.000	42.078	-5.2	110	0.00
30	T	2,4-Dimethylphenol	40.000	41.492	-3.7	108	0.01
31	T	Bis(2-chloroethoxy)methane	40.000	45.844	-14.6	120	0.01
32	CCC	2,4-Dichlorophenol	40.000	42.073	-5.2	110	0.00
33	T	1,2,4-Trichlorobenzene	40.000	41.000	-2.5	108	0.01
34	T	Naphthalene	40.000	42.373	-5.9	111	0.01
35	T	Benzoic acid	40.000	72.748	-81.9#	0	-6.03#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	40.000	41.526	-3.8	108	0.01
37	T	4-Chloroaniline	40.000	43.707	-9.3	113	0.01
38	CCC	Hexachlorobutadiene	40.000	41.921	-4.8	110	0.01
39	T	a,a-Dimethylphenethylamine	40.000	39.010	2.5	100	0.10
40		Caprolactam	40.000	47.597	-19.0	123	0.03
41	CCC	4-Chloro-3-methylphenol	40.000	43.778	-9.4	114	0.01
42	T	N-Nitrosodi-n-butylamine	40.000	42.036	-5.1	107	0.01
43	T	2-Methylnaphthalene	40.000	43.235	-8.1	114	0.01
44	T	1-Methylnaphthalene	40.000	43.787	-9.5	115	0.01
45	I	Acenaphthene-d10	40.000	40.000	0.0	109	0.02
46	T	1,2,4,5-Tetrachlorobenzene	40.000	39.319	1.7	105	0.01
47	PC	Hexachlorocyclopentadiene	40.000	39.813	0.5	114	0.01
48	CCC	2,4,6-Trichlorophenol	40.000	39.461	1.3	107	0.01
49	T	2,4,5-Trichlorophenol	40.000	40.214	-0.5	106	0.00
50	S	2-Fluorobiphenyl	40.000	40.123	-0.3	108	0.02
51		Biphenyl	40.000	43.255	-8.1	115	0.02
52	T	2-Chloronaphthalene	40.000	42.690	-6.7	113	0.01
53	T	1-Chloronaphthalene	40.000	35.993	10.0	97	0.01
54	T	2-Nitroaniline	40.000	40.895	-2.2	109	0.01
55	T	3-Nitroaniline	40.000	40.894	-2.2	107	0.00
56	T	Pentachlorobenzene	40.000	39.938	0.2	107	0.02
57	T	4-Nitroaniline	40.000	41.052	-2.6	113	0.01
58	T	2-Naphthylamine	40.000	37.868	5.3	97	0.02
59	T	1-Naphthylamine	40.000	40.312	-0.8	102	0.02
60	T	Dimethyl phthalate	40.000	40.515	-1.3	109	0.01
61	T	Acenaphthylene	40.000	45.659	-14.1	122	0.02
62	T	2,6-Dinitrotoluene	40.000	40.709	-1.8	109	0.01
63	CCC	Acenaphthene	40.000	39.288	1.8	106	0.02
64	PC	2,4-Dinitrophenol	40.000	41.496	-3.7	119	-0.01
65	T	Dibenzofuran	40.000	39.941	0.1	106	0.02
66	PC	4-Nitrophenol	40.000	32.183	19.5	79	-0.04
67	M	2,4-Dinitrotoluene	40.000	41.422	-3.6	109	0.02
68	T	2,3,4,6-Tetrachlorophenol	40.000	37.472	6.3	99	0.01
69	T	Diethyl phthalate	40.000	39.657	0.9	106	0.02
70	T	Fluorene	40.000	39.926	0.2	107	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	40.000	40.082	-0.2	106	0.02
72	S	2,4,6-Tribromophenol	40.000	41.858	-4.6	112	0.02
73	I	Phenanthrene-d10	40.000	40.000	0.0	112	0.02
74	T	4,6-Dinitro-2-methylphenol	40.000	42.927	-7.3	123	0.02
75	T	Azobenzene	40.000	42.442	-6.1	115	0.02
76	T	1,2-Diphenylhydrazine	40.000	43.016	-7.5	118	0.02
77	CCC	Diphenylamine	40.000	36.936	7.7	99	0.02
78	T	N-Nitrosodiphenylamine	40.000	36.165	9.6	98	0.02
79	T	4-Bromophenyl phenyl ether	40.000	43.120	-7.8	118	0.02
80	T	Phenacetin	40.000	43.765	-9.4	118	0.02
81	T	Hexachlorobenzene	40.000	41.767	-4.4	114	0.02
82		Atrazine	40.000	41.996	-5.0	113	0.02
83	T	4-Aminobiphenyl	40.000	42.688	-6.7	111	0.02
84	CCC	Pentachlorophenol	40.000	44.993	-12.5	132	0.02
85	T	Pentachloronitrobenzene	40.000	42.999	-7.5	116	0.02
86	T	Pronamide	40.000	40.276	-0.7	109	0.02
87	T	Phenanthrene	40.000	40.717	-1.8	111	0.02
88	T	Anthracene	40.000	43.814	-9.5	119	0.02
89	T	Carbazole	40.000	44.658	-11.6	121	0.02
90	T	Di-n-butyl phthalate	40.000	43.293	-8.2	117	0.02
91	CCC	Fluoranthene	40.000	42.521	-6.3	115	0.02
92	I	Chrysene-d12	40.000	40.000	0.0	115	0.03
93	T	Pyrene	40.000	42.253	-5.6	118	0.02
94	S	4-Terphenyl-d14	40.000	39.515	1.2	111	0.02
95	T	Benzidine	40.000	32.494	18.8	86	0.01
96	T	Dimethylaminoazobenzene	40.000	42.738	-6.8	119	0.02
97	T	Butyl benzyl phthalate	40.000	42.648	-6.6	121	0.02
98	T	Benz(a)anthracene	40.000	42.162	-5.4	119	0.03
99	T	3,3'-Dichlorobenzidine	40.000	40.421	-1.1	111	0.02
100	T	Chrysene	40.000	42.314	-5.8	118	0.03
101	T	Bis(2-ethylhexyl)phthalate	40.000	41.972	-4.9	119	0.02
102	CCC	Di-n-octyl phthalate	40.000	39.592	1.0	114	0.03
103	T	3-Methylcholanthrene	40.000	43.142	-7.9	126	0.04
104	T	Indeno[1,2,3-cd]pyrene	40.000	39.391	1.5	118	0.03

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	112	0.04
106	T	Benzo[b]fluoranthene	40.000	43.722	-9.3	119	0.04
107	T	Benzo[k]fluoranthene	40.000	37.245	6.9	107	0.04
108	CCC	Benzo[a]pyrene	40.000	41.960	-4.9	115	0.03
109	T	Dibenz(a,j)acridine	40.000	42.718	-6.8	120	0.03
110	T	Dibenz(a,h)anthracene	40.000	42.718	-6.8	118	0.03
111	T	Benzo[g,h,i]perylene	40.000	41.595	-4.0	117	0.04

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.01
2		Pyridine	1.128	1.208	-7.1	113	-0.02
3	T	2-Picoline	1.202	1.158	3.7	104	0.00
4	T	Methyl methanesulfonate	0.725	0.630	13.1	90	0.00
5	S	2-Fluorophenol	1.117	1.141	-2.1	105	0.00
6	T	Ethyl methanesulfonate	0.966	1.028	-6.4	112	0.00
7		Benzaldehyde	0.855	0.741	13.3	81	0.00
8	T	Aniline	0.749	0.811	-8.3	114	0.00
9	S	Phenol-d5	1.553	1.649	-6.2	111	0.00
10	CCC	Phenol	1.647	1.817	-10.3	116	0.00
11	T	Bis(2-chloroethyl)ether	1.060	0.994	6.2	97	0.00
12	T	2-Chlorophenol	1.350	1.421	-5.3	110	0.00
13	T	1,3-Dichlorobenzene	1.511	1.551	-2.6	108	0.01
14	CCC	1,4-Dichlorobenzene	1.570	1.620	-3.2	111	0.00
15	T	1,2-Dichlorobenzene	1.465	1.516	-3.5	107	0.01
16	T	Benzyl alcohol	0.859	0.912	-6.2	110	0.00
17	T	Bis(2-chloroisopropyl)ether	2.197	2.285	-4.0	108	0.00
18	T	2-Methylphenol	1.051	1.112	-5.8	110	0.00
19	T	3&4-Methylphenol	1.272	1.591	-25.1#	131	0.00
20	PC	N-Nitrosodi-n-propylamine	1.051	1.056	-0.5	104	0.01
21	T	N-Nitrosodimethylamine	0.524	0.580	-10.7	114	0.00
22	T	Hexachloroethane	0.590	0.614	-4.1	110	0.01
23	I	Naphthalene-d8	1.000	1.000	0.0	107	0.01
24	S	Nitrobenzene-d5	0.402	0.409	-1.7	107	0.00
25	T	Acetophenone	0.504	0.263	47.8#	55	0.00
26	M	Nitrobenzene	0.411	0.433	-5.4	110	0.00
27	T	N-Nitrosopiperidine	0.177	0.191	-7.9	113	0.01
28	T	Isophorone	0.722	0.750	-3.9	110	0.00
29	CCC	2-Nitrophenol	0.197	0.207	-5.1	110	0.00
30	T	2,4-Dimethylphenol	0.321	0.333	-3.7	108	0.01
31	T	Bis(2-chloroethoxy)methane	0.404	0.463	-14.6	120	0.01
32	CCC	2,4-Dichlorophenol	0.307	0.323	-5.2	110	0.00
33	T	1,2,4-Trichlorobenzene	0.346	0.355	-2.6	108	0.01
34	T	Naphthalene	1.112	1.178	-5.9	111	0.01
35	T	Benzoic acid	0.073	0.000	100.0#	0#	-6.03#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.305	0.317	-3.9	108	0.01
37	T	4-Chloroaniline	0.441	0.482	-9.3	113	0.01
38	CCC	Hexachlorobutadiene	0.204	0.214	-4.9	110	0.01
39	T	a,a-Dimethylphenethylamine	0.917	0.894	2.5	100	0.10
40		Caprolactam	0.195	0.233	-19.5	123	0.03
41	CCC	4-Chloro-3-methylphenol	0.313	0.343	-9.6	114	0.01
42	T	N-Nitrosodi-n-butylamine	0.339	0.357	-5.3	107	0.01
43	T	2-Methylnaphthalene	0.737	0.797	-8.1	114	0.01
44	T	1-Methylnaphthalene	0.739	0.809	-9.5	115	0.01
45	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.02
46	T	1,2,4,5-Tetrachlorobenzene	0.596	0.586	1.7	105	0.01
47	PC	Hexachlorocyclopentadiene	0.234	0.239	-2.1	114	0.01
48	CCC	2,4,6-Trichlorophenol	0.376	0.371	1.3	107	0.01
49	T	2,4,5-Trichlorophenol	0.417	0.419	-0.5	106	0.00
50	S	2-Fluorobiphenyl	1.394	1.398	-0.3	108	0.02
51		Biphenyl	1.683	1.819	-8.1	115	0.02
52	T	2-Chloronaphthalene	1.161	1.239	-6.7	113	0.01
53	T	1-Chloronaphthalene	1.137	1.023	10.0	97	0.01
54	T	2-Nitroaniline	0.342	0.350	-2.3	109	0.01
55	T	3-Nitroaniline	0.320	0.327	-2.2	107	0.00
56	T	Pentachlorobenzene	0.534	0.533	0.2	107	0.02
57	T	4-Nitroaniline	0.318	0.339	-6.6	113	0.01
58	T	2-Naphthylamine	1.124	1.064	5.3	97	0.02
59	T	1-Naphthylamine	1.154	1.163	-0.8	102	0.02
60	T	Dimethyl phthalate	1.317	1.334	-1.3	109	0.01
61	T	Acenaphthylene	1.632	1.862	-14.1	122	0.02
62	T	2,6-Dinitrotoluene	0.294	0.299	-1.7	109	0.01
63	CCC	Acenaphthene	1.159	1.139	1.7	106	0.02
64	PC	2,4-Dinitrophenol	0.157	0.142	9.6	119	-0.01
65	T	Dibenzofuran	1.679	1.676	0.2	106	0.02
66	PC	4-Nitrophenol	0.217	0.175	19.4	79	-0.04
67	M	2,4-Dinitrotoluene	0.404	0.418	-3.5	109	0.02
68	T	2,3,4,6-Tetrachlorophenol	0.345	0.323	6.4	99	0.01
69	T	Diethyl phthalate	1.328	1.316	0.9	106	0.02
70	T	Fluorene	1.430	1.427	0.2	107	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.690	0.691	-0.1	106	0.02
72	S	2,4,6-Tribromophenol	0.202	0.211	-4.5	112	0.02
73	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.02
74	T	4,6-Dinitro-2-methylphenol	0.140	0.160	-14.3	123	0.02
75	T	Azobenzene	0.755	0.801	-6.1	115	0.02
76	T	1,2-Diphenylhydrazine	0.222	0.238	-7.2	118	0.02
77	CCC	Diphenylamine	0.152	0.141	7.2	99	0.02
78	T	N-Nitrosodiphenylamine	0.756	0.684	9.5	98	0.02
79	T	4-Bromophenyl phenyl ether	0.232	0.250	-7.8	118	0.02
80	T	Phenacetin	0.348	0.381	-9.5	118	0.02
81	T	Hexachlorobenzene	0.238	0.249	-4.6	114	0.02
82		Atrazine	0.234	0.245	-4.7	113	0.02
83	T	4-Aminobiphenyl	0.778	0.830	-6.7	111	0.02
84	CCC	Pentachlorophenol	0.129	0.156	-20.9	132	0.02
85	T	Pentachloronitrobenzene	0.101	0.108	-6.9	116	0.02
86	T	Pronamide	0.335	0.337	-0.6	109	0.02
87	T	Phenanthrene	1.187	1.209	-1.9	111	0.02
88	T	Anthracene	1.178	1.290	-9.5	119	0.02
89	T	Carbazole	1.094	1.222	-11.7	121	0.02
90	T	Di-n-butyl phthalate	1.282	1.387	-8.2	117	0.02
91	CCC	Fluoranthene	1.356	1.442	-6.3	115	0.02
92	I	Chrysene-d12	1.000	1.000	0.0	115	0.03
93	T	Pyrene	1.334	1.409	-5.6	118	0.02
94	S	4-Terphenyl-d14	0.963	0.951	1.2	111	0.02
95	T	Benzidine	0.499	0.405	18.8	86	0.01
96	T	Dimethylaminoazobenzene	0.287	0.307	-7.0	119	0.02
97	T	Butyl benzyl phthalate	0.574	0.612	-6.6	121	0.02
98	T	Benz(a)anthracene	1.322	1.393	-5.4	119	0.03
99	T	3,3'-Dichlorobenzidine	0.476	0.481	-1.1	111	0.02
100	T	Chrysene	1.267	1.340	-5.8	118	0.03
101	T	Bis(2-ethylhexyl)phthalate	0.810	0.850	-4.9	119	0.02
102	CCC	Di-n-octyl phthalate	1.451	1.437	1.0	114	0.03
103	T	3-Methylcholanthrene	0.618	0.667	-7.9	126	0.04
104	T	Indeno[1,2,3-cd]pyrene	1.352	1.331	1.6	118	0.03

(#) = Out of Range

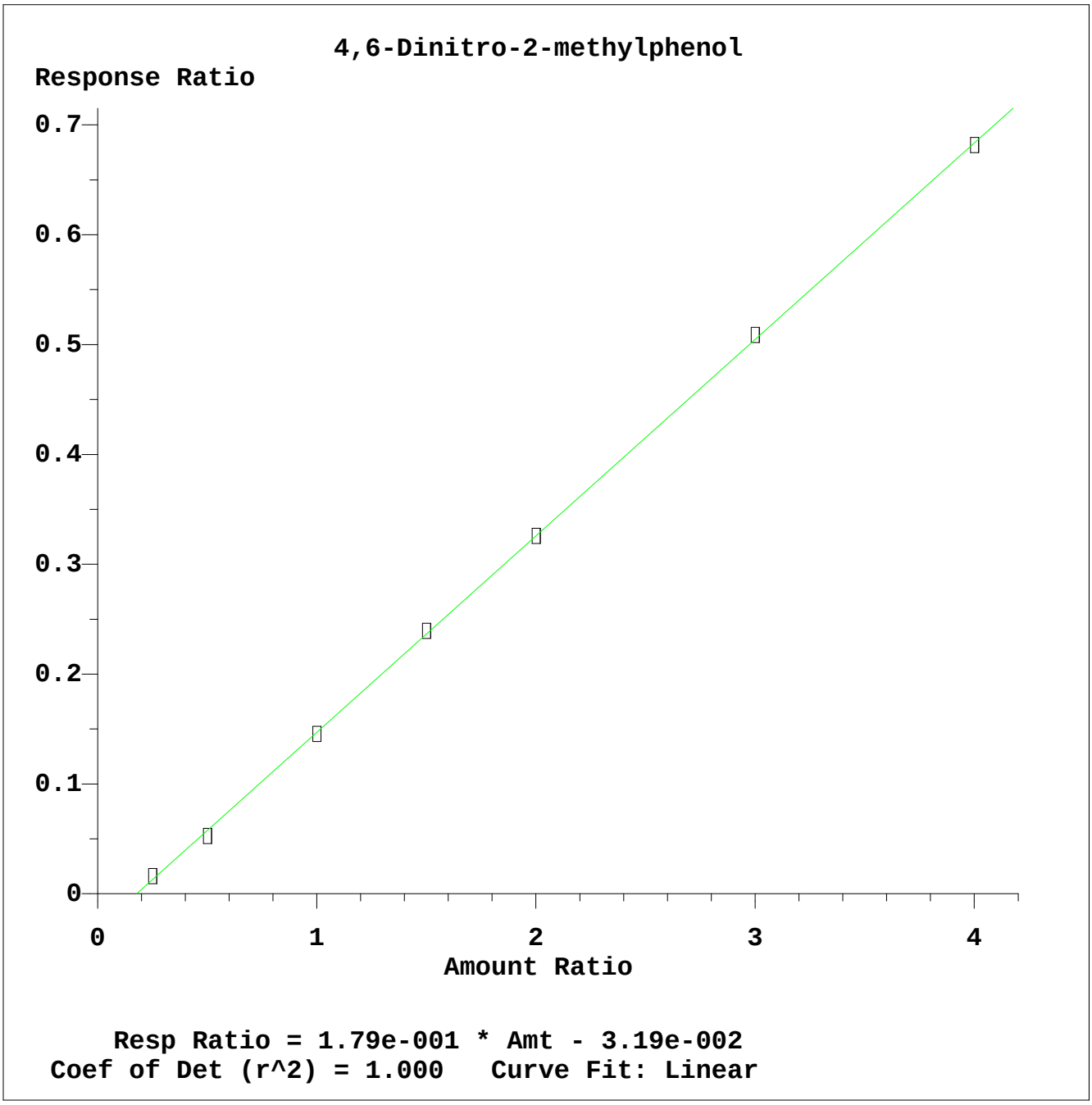
Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P

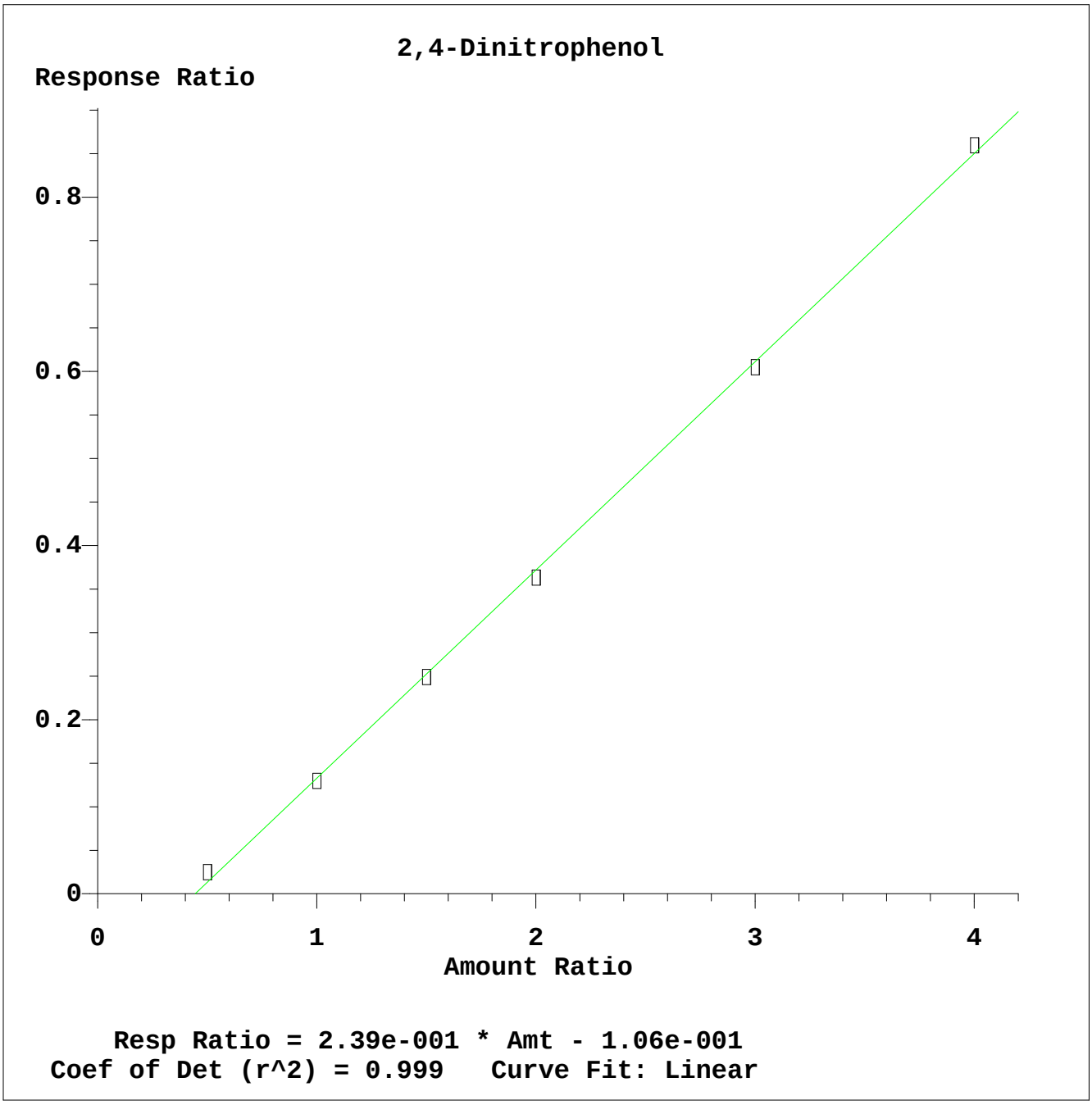
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

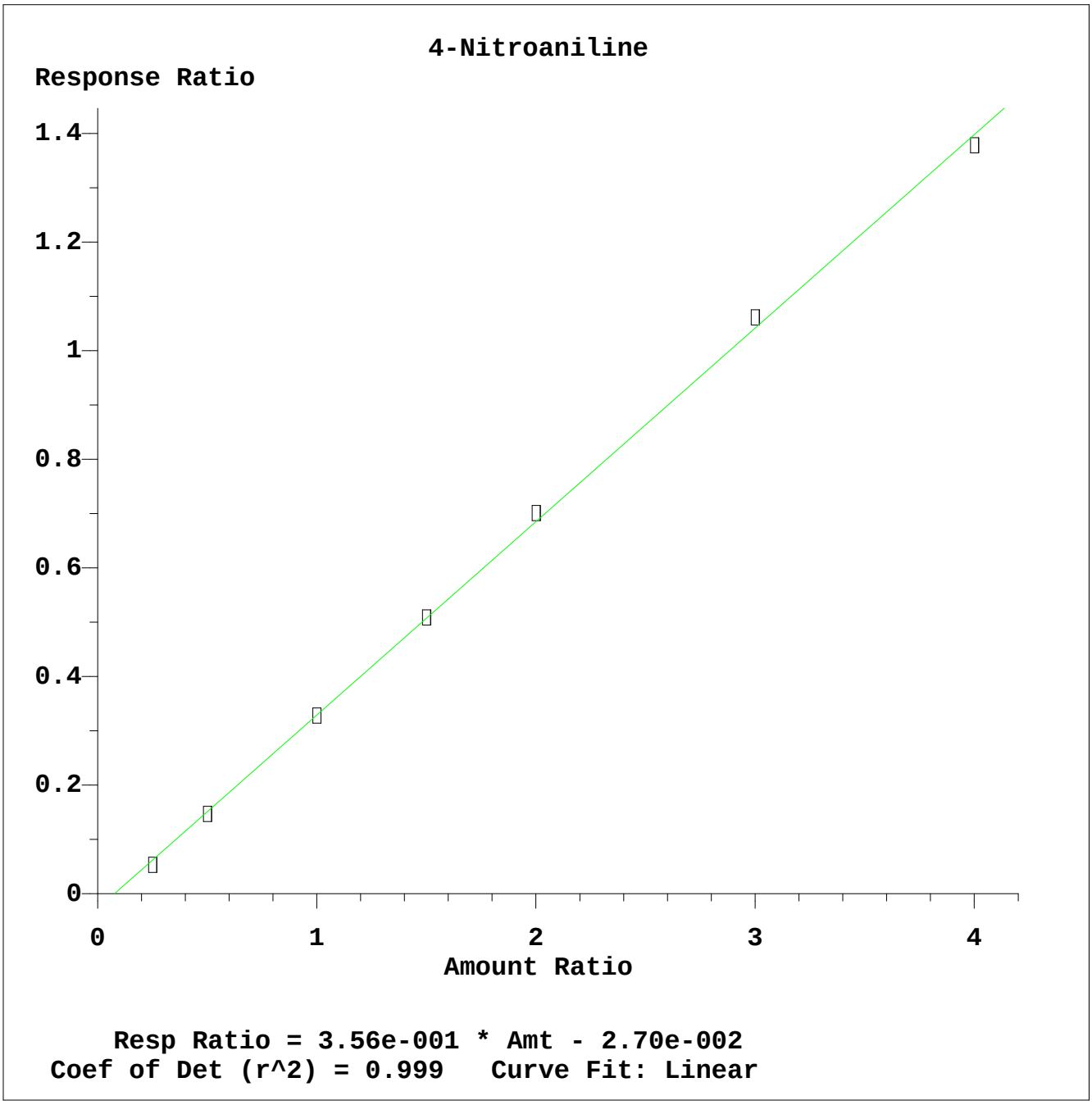
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	112	0.04
106	T	Benzo[b]fluoranthene	1.637	1.789	-9.3	119	0.04
107	T	Benzo[k]fluoranthene	1.656	1.542	6.9	107	0.04
108	CCC	Benzo[a]pyrene	1.547	1.623	-4.9	115	0.03
109	T	Dibenz(a,j)acridine	1.387	1.481	-6.8	120	0.03
110	T	Dibenz(a,h)anthracene	1.580	1.688	-6.8	118	0.03
111	T	Benzo[g,h,i]perylene	1.691	1.758	-4.0	117	0.04



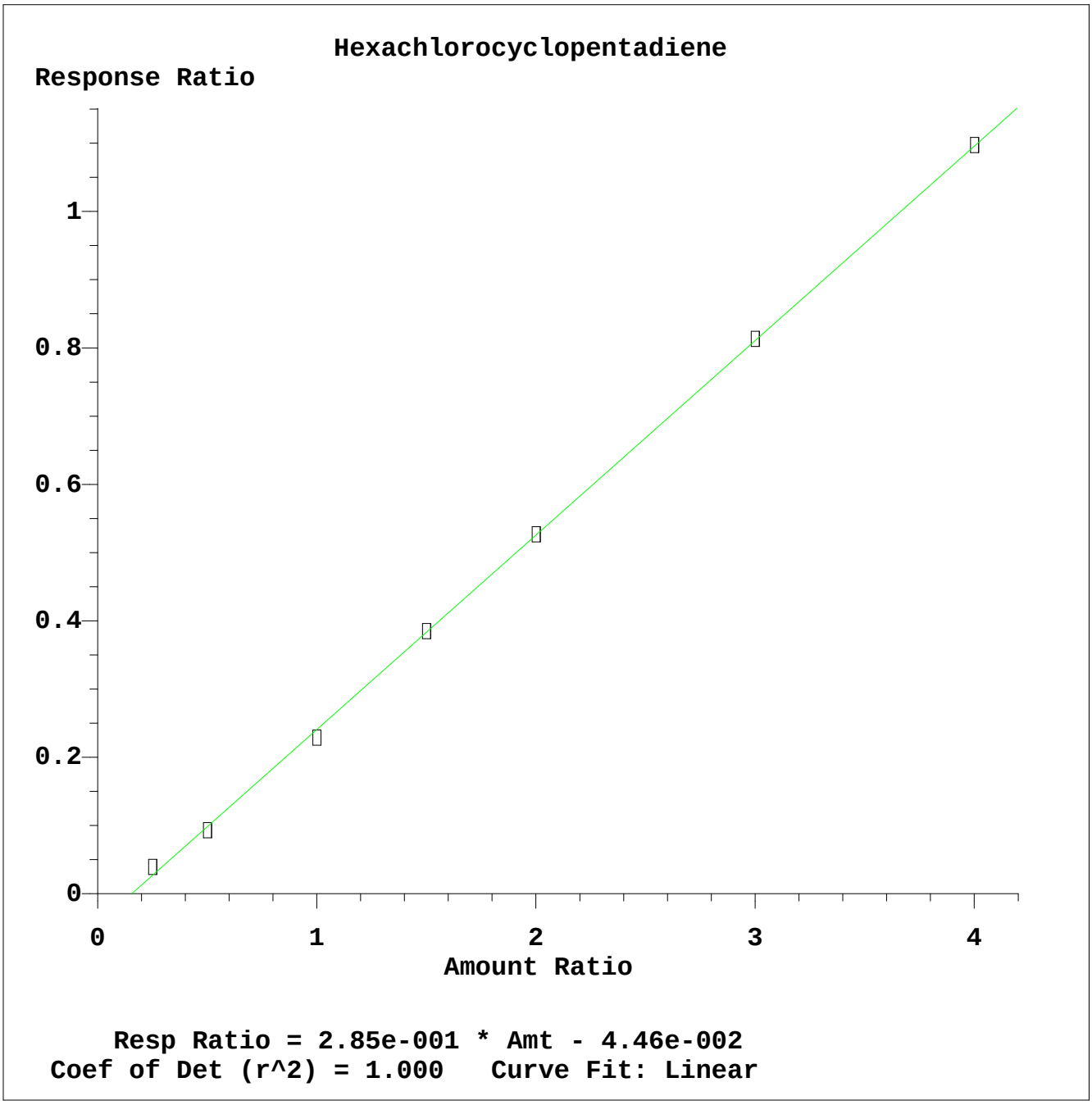
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



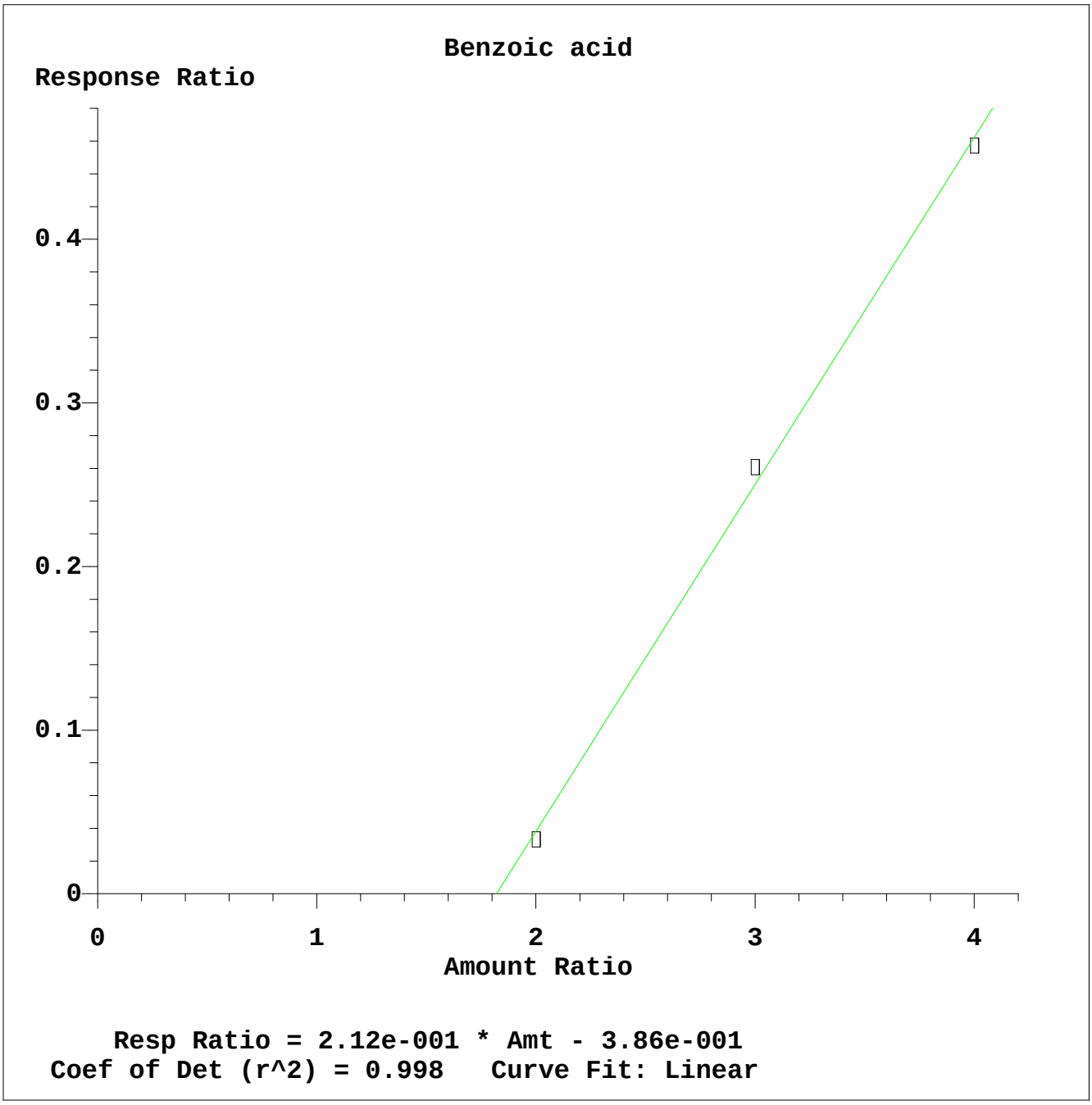
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



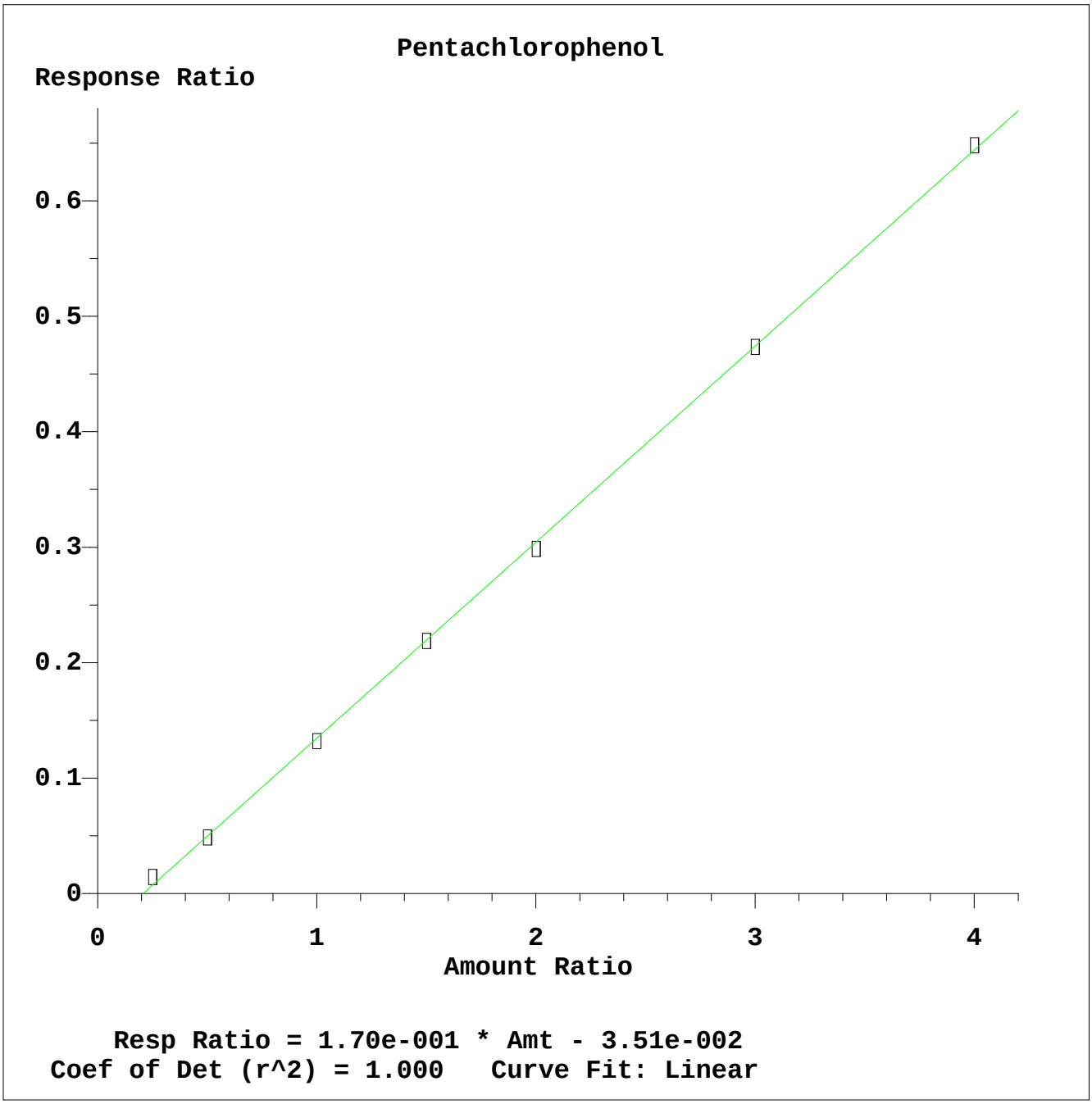
Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004



Method Name: C:\MSDCHEM\1\METHODS\B022704.M
Calibration Table Last Updated: Mon Mar 01 09:50:33 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	76439	40.00	ng		0.00
23) Naphthalene-d8	6.20	136	286372	40.00	ng		-0.01
45) Acenaphthene-d10	8.85	164	169570	40.00	ng		-0.01
73) Phenanthrene-d10	11.65	188	304323	40.00	ng		-0.02
92) Chrysene-d12	17.26	240	312057	40.00	ng		-0.03
105) Perylene-d12	21.48	264	253054	40.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	17088	8.00	ng		0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 8.00%#				
9) Phenol-d5	4.51	99	26162	8.81	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 8.81%#				
24) Nitrobenzene-d5	5.40	82	25969	9.02	ng		-0.01
Spiked Amount 50.000	Range 34 - 114		Recovery = 18.04%#				
50) 2-Fluorobiphenyl	7.73	172	59507	10.07	ng		-0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 20.14%#				
72) 2,4,6-Tribromophenol	10.34	330	7382	8.64	ng		-0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 8.64%#				
94) 4-Terphenyl-d14	15.07	244	73050	9.72	ng		-0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 19.44%#				
Target Compounds							Qvalue
2) Pyridine	1.52	79	18681	8.67	ng		95
3) 2-Picoline	2.67	93	19779	8.61	ng	#	77
4) Methyl methanesulfonate	3.29	80	11479	8.28	ng	#	81
6) Ethyl methanesulfonate	4.07	79	16401	8.88	ng	#	80
7) Benzaldehyde	4.33	105	16228	10.87	µg		97
8) Aniline	4.47	66	12140	8.48	ng	#	86
10) Phenol	4.52	94	25108	7.98	ng	#	72
11) Bis(2-chloroethyl)ether	4.54	63	19024	9.39	ng		97
12) 2-Chlorophenol	4.60	128	23730	9.20	ng		98
13) 1,3-Dichlorobenzene	4.72	146	28270	9.79	ng		99
14) 1,4-Dichlorobenzene	4.78	146	30256	10.08	ng		98
15) 1,2-Dichlorobenzene	4.98	146	27307	9.75	ng		98
16) Benzyl alcohol	4.97	108	13345	8.13	ng		94
17) Bis(2-chloroisopropyl)ethe	5.11	45	41605	9.91	ng		99
18) 2-Methylphenol	5.12	107	19923	9.92	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	46980	19.33	ng	#	94
20)	N-Nitrosodi-n-propylamine	5.25	70	19204	9.56	ng	#	93
21)	N-Nitrosodimethylamine	1.50	42	7639	7.63	ng	#	93
22)	Hexachloroethane	5.30	117	11261	9.99	ng		98
25)	Acetophenone	5.23	105	70175	19.44	ng		95
26)	Nitrobenzene	5.41	77	29977	10.19	ng	#	84
27)	N-Nitrosopiperidine	5.58	114	11253	8.87	ng		93
28)	Isophorone	5.67	82	49571	9.59	ng	#	94
29)	2-Nitrophenol	5.78	139	11576	8.20	ng	#	80
30)	2,4-Dimethylphenol	5.84	122	21224	9.24	ng		98
31)	Bis(2-chloroethoxy)methane	5.93	93	26426	9.14	ng	#	86
32)	2,4-Dichlorophenol	6.09	162	19412	8.83	ng		91
33)	1,2,4-Trichlorobenzene	6.15	180	23949	9.67	ng		99
34)	Naphthalene	6.22	128	79341	9.97	ng		98
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.34	162	20546	9.41	ng		97
37)	4-Chloroaniline	6.34	127	28806	9.13	ng		91
38)	Hexachlorobutadiene	6.45	225	14372	9.84	ng		99
39)	a,a-Dimethylphenethylamine	6.03	58	55786m	8.72	ng		
40)	Caprolactam	6.75	55	11283m	8.06	µg		
41)	4-Chloro-3-methylphenol	7.01	107	19656	8.76	ng		99
42)	N-Nitrosodi-n-butylamine	6.78	84	23645	9.74	ng		91
43)	2-Methylnaphthalene	7.15	142	51562	9.77	ng		98
44)	1-Methylnaphthalene	7.31	142	51535	9.74	ng		99
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	25500	10.09	ng		98
47)	Hexachlorocyclopentadiene	7.49	237	6664	11.77	ng	#	31
48)	2,4,6-Trichlorophenol	7.63	196	14903	9.35	ng		96
49)	2,4,5-Trichlorophenol	7.72	196	16065	9.09	ng	#	88
51)	Biphenyl	7.87	154	72143	10.11	µg		98
52)	2-Chloronaphthalene	7.88	162	48931	9.94	ng		97
53)	1-Chloronaphthalene	7.94	162	50103	10.40	ng		98
54)	2-Nitroaniline	8.13	65	11678	8.06	ng		99
55)	3-Nitroaniline	8.85	138	10179	7.50	ng	#	88
56)	Pentachlorobenzene	9.23	250	22451	9.92	ng		99
57)	4-Nitroaniline	10.00	138	9016	9.00	ng	#	83
58)	2-Naphthylamine	9.35	143	47117	9.89	ng	#	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.49	143	48289	9.87	ng	#	95
60)	Dimethyl phthalate	8.48	163	54038	9.68	ng	#	92
61)	Acenaphthylene	8.58	152	66255	9.58	ng		98
62)	2,6-Dinitrotoluene	8.59	165	11127	8.94	ng		98
63)	Acenaphthene	8.90	154	49819	10.14	ng		99
64)	2,4-Dinitrophenol	0.00	184	0	N.D.			
65)	Dibenzofuran	9.19	168	70043	9.84	ng		74
66)	4-Nitrophenol	9.35	65	7014m	7.48	ng		
67)	2,4-Dinitrotoluene	9.29	165	13543	7.91	ng		96
68)	2,3,4,6-Tetrachlorophenol	9.53	232	12295	8.40	ng	#	88
69)	Diethyl phthalate	9.77	149	54128	9.62	ng		99
70)	Fluorene	9.83	166	59904	9.88	ng		100
71)	4-Chlorophenyl phenyl ethe	9.85	204	28914	9.89	ng		98
74)	4,6-Dinitro-2-methylphenol	10.06	198	4897	10.73	ng	#	1
75)	Azobenzene	10.15	77	55610	9.68	ng		98
76)	1,2-Diphenylhydrazine	10.15	182	16026	9.50	ng		93
77)	Diphenylamine	10.09	170	11341	9.79	ng		96
78)	N-Nitrosodiphenylamine	10.09	168	55801	9.70	ng		97
79)	4-Bromophenyl phenyl ether	10.79	248	16517	9.35	ng		98
80)	Phenacetin	10.82	108	19836	7.49	ng		97
81)	Hexachlorobenzene	11.06	284	18048	9.96	ng		98
82)	Atrazine	11.25	200	16803	9.45	µg		99
83)	4-Aminobiphenyl	11.33	169	57105	9.65	ng		98
84)	Pentachlorophenol	11.46	266	4379	11.66	ng	#	19
85)	Pentachloronitrobenzene	11.59	237	7132	9.30	ng		97
86)	Pronamide	11.57	173	22983	9.02	ng		98
87)	Phenanthrene	11.70	178	90159	9.98	ng		99
88)	Anthracene	11.79	178	86989	9.71	ng		97
89)	Carbazole	12.17	167	77914	9.36	ng		95
90)	Di-n-butyl phthalate	13.09	149	89595	9.19	ng		99
91)	Fluoranthene	14.18	202	95872	9.29	ng		99
93)	Pyrene	14.65	202	102069	9.81	ng		98
95)	Benzidine	14.55	184	45948	11.50	ng	#	85
96)	Dimethylaminoazobenzene	15.42	225	20012	8.93	ng		99
97)	Butyl benzyl phthalate	16.23	149	41964	9.37	ng		99
98)	Benz(a)anthracene	17.23	228	99736	9.67	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:41:49 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

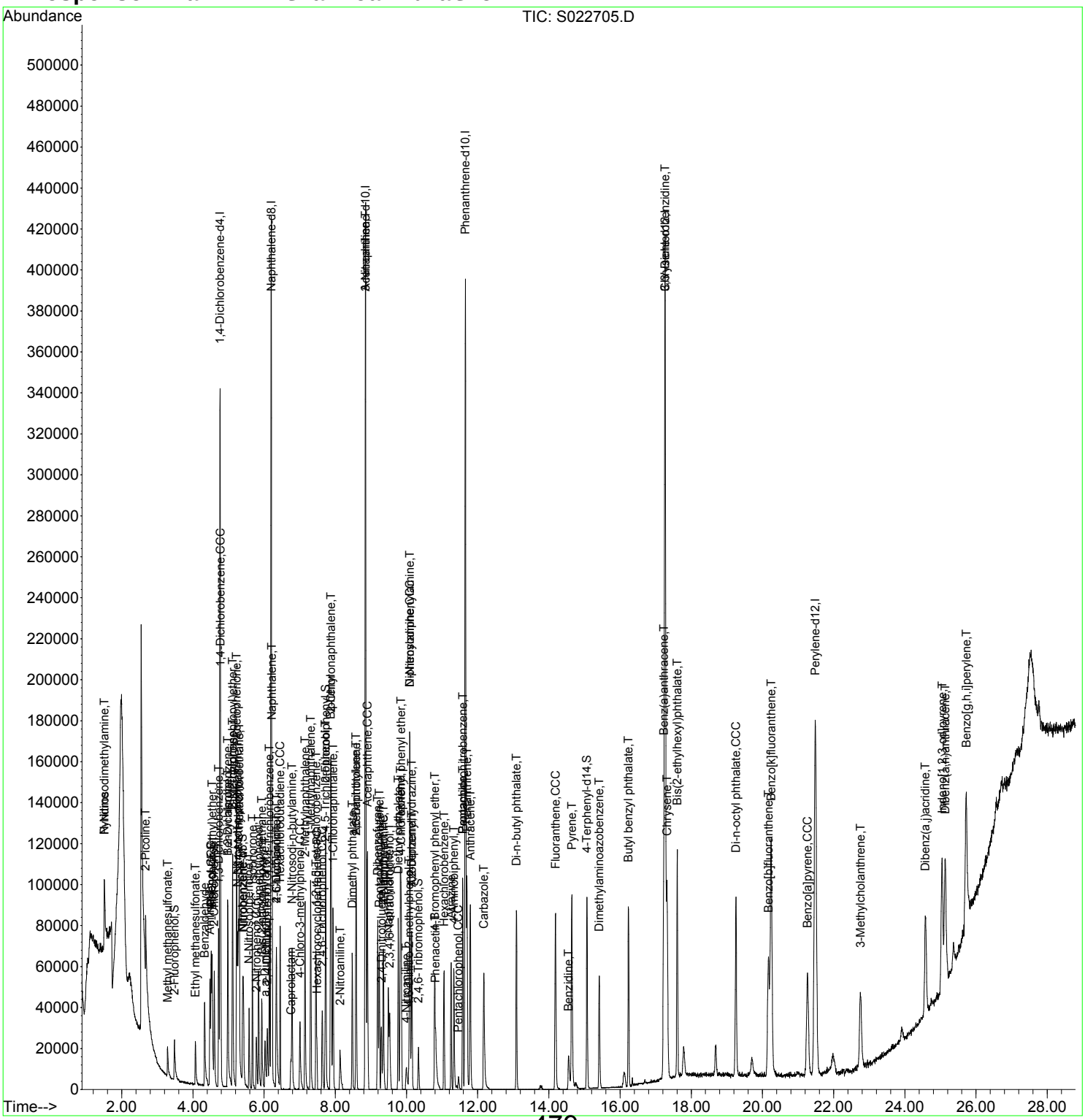
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	36585	9.86	ng	#	93
100)	Chrysene	17.32	228	100142	10.13	ng		98
101)	Bis(2-ethylhexyl)phthalate	17.61	149	61197	9.68	ng		99
102)	Di-n-octyl phthalate	19.26	149	107509	9.50	ng	#	90
103)	3-Methylcholanthrene	22.75	268	44746	9.27	ng		97
104)	Indeno[1,2,3-cd]pyrene	25.05	276	95080	9.02	ng	#	100
106)	Benzo[b]fluoranthene	20.17	252	96908	9.36	ng		98
107)	Benzo[k]fluoranthene	20.25	252	101096	9.65	ng	#	69
108)	Benzo[a]pyrene	21.27	252	91805	9.38	ng		95
109)	Dibenz(a,j)acridine	24.57	279	79448	9.05	ng		99
110)	Dibenz(a,h)anthracene	25.13	278	92610	9.26	ng		99
111)	Benzo[g,h,i]perylene	25.73	276	99140	9.27	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D Vial: 2
Acq On : 27 Feb 2004 1:15 pm Operator: YH
Sample : BNA10 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 Quant Results File: B022704.RES

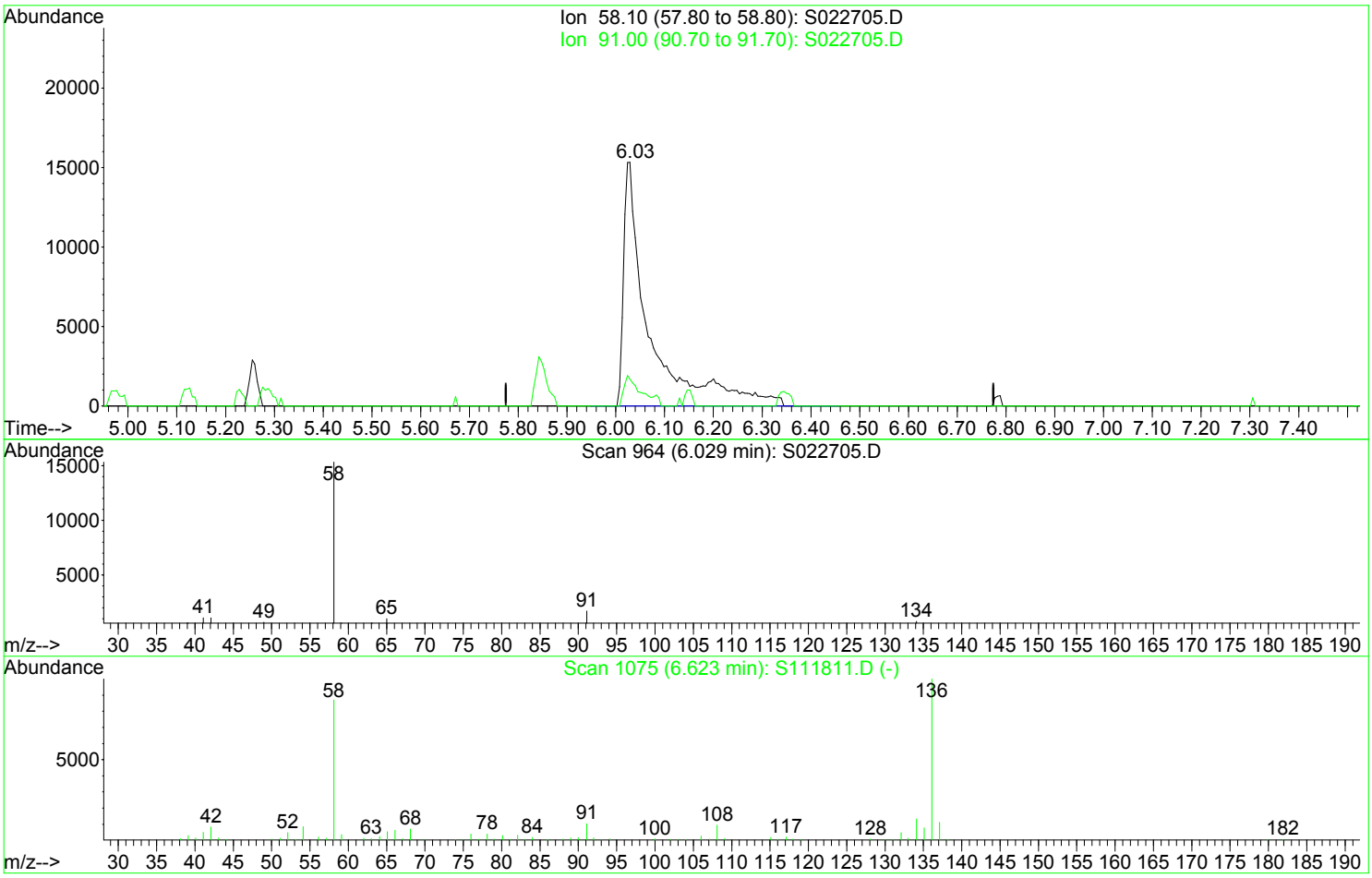
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022705.D

(39) a,a-Dimethylphenethylamine (T)

6.03min 8.72ng m

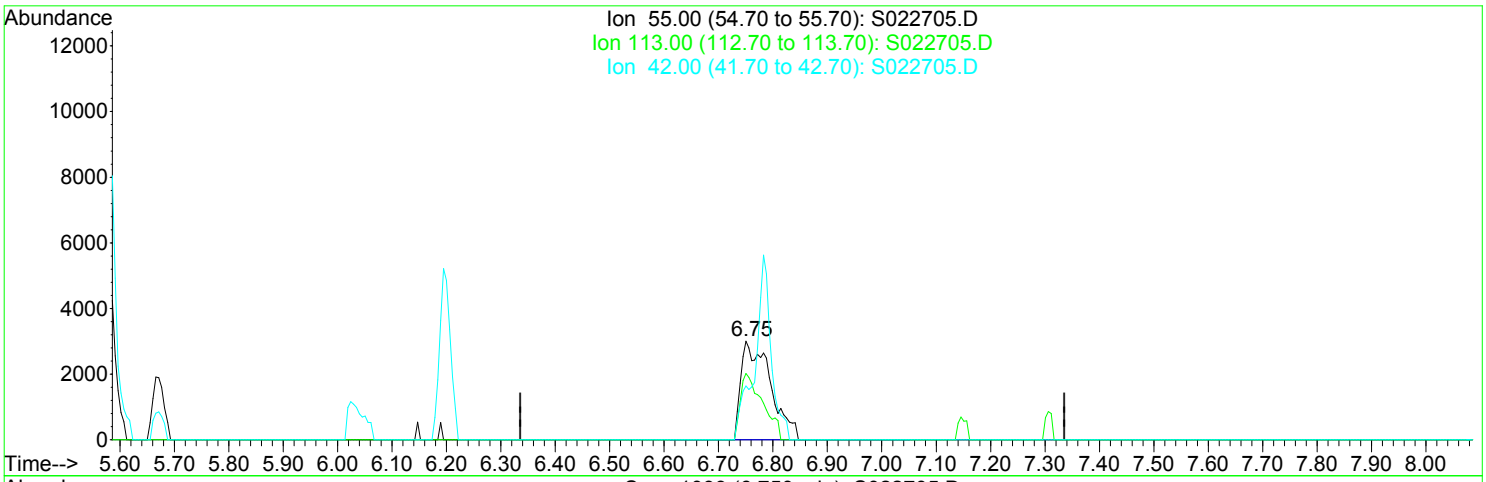
response 55786

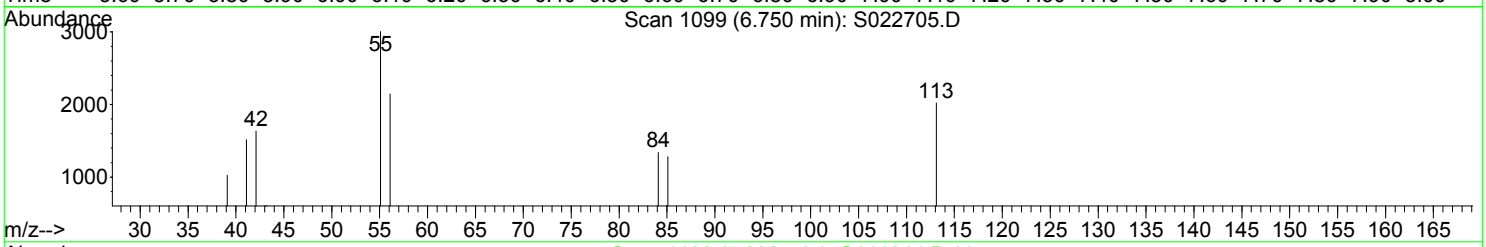
Ion	Exp%	Act%
58.10	100	100
91.00	4.40	7.41
0.00	0.00	0.00
0.00	0.00	0.00

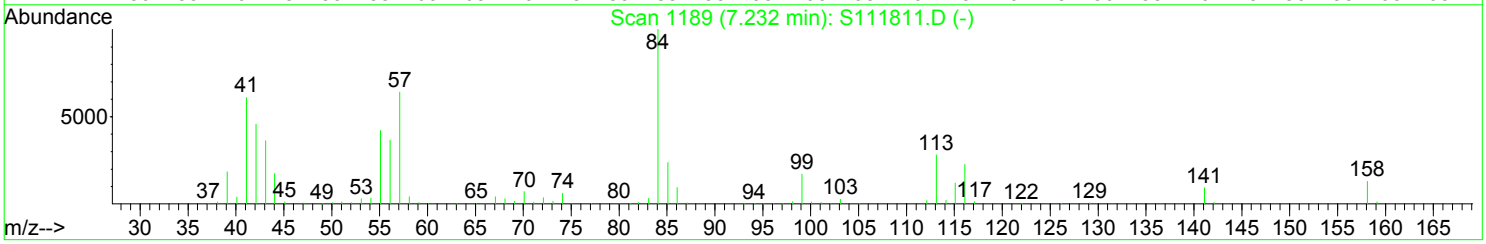
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration







TIC: S022705.D

(40) Caprolactam

6.75min 8.06µg m

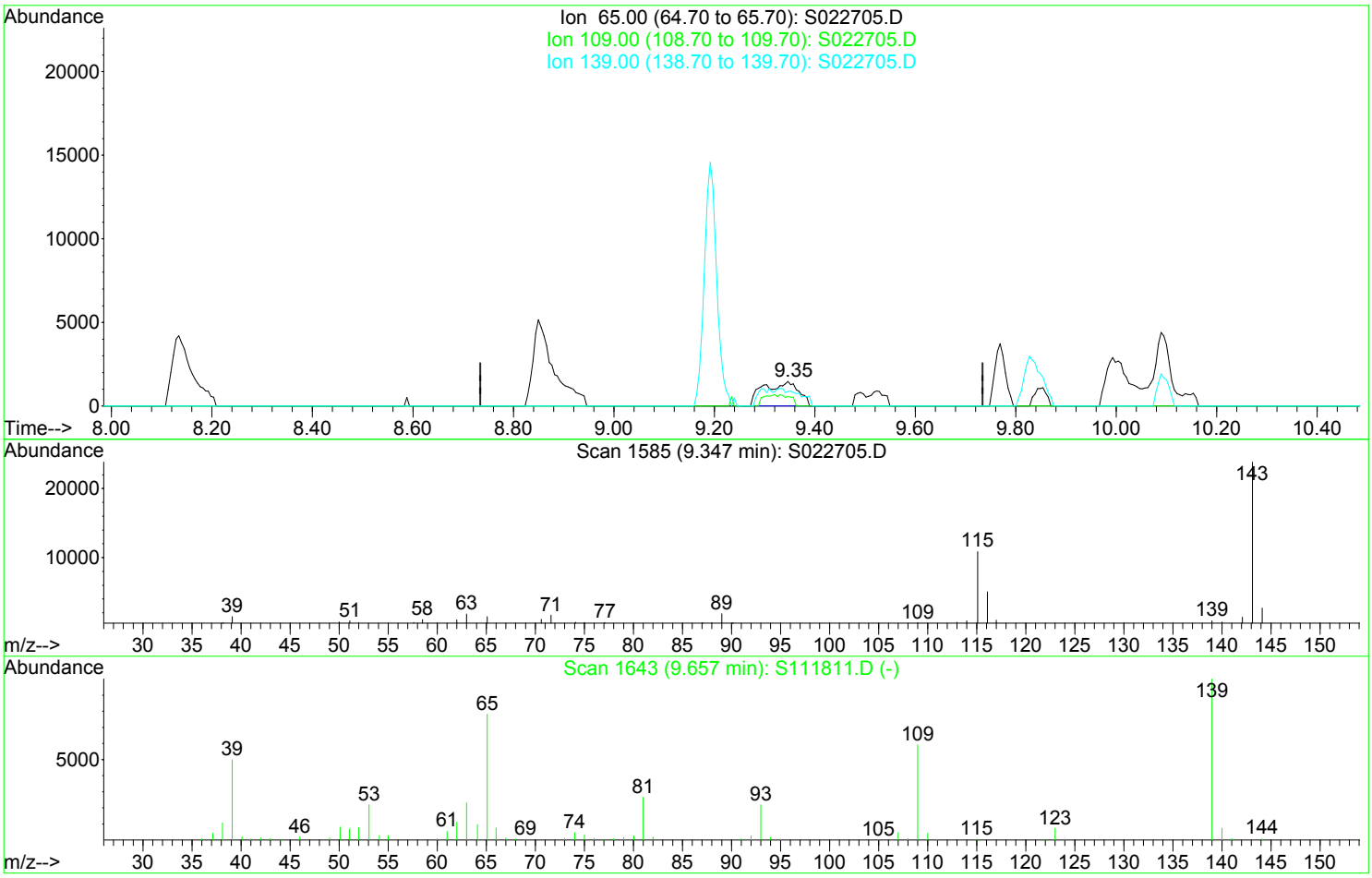
response 11283

Ion	Exp%	Act%
55.00	100	100
113.00	61.40	50.66
42.00	101.20	105.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022705.D **Vial: 2**
Acq On : 27 Feb 2004 1:15 pm **Operator: YH**
Sample : BNA10 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 8:43 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022705.D

(66) 4-Nitrophenol (PC)

9.35min 7.48ng m

response 7014

Ion	Exp%	Act%
65.00	100	100
109.00	89.40	0.00#
139.00	378.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.76	152	81365	40.00	ng		0.00
23) Naphthalene-d8	6.20	136	306615	40.00	ng		-0.01
45) Acenaphthene-d10	8.85	164	186347	40.00	ng		-0.01
73) Phenanthrene-d10	11.66	188	336169	40.00	ng		-0.02
92) Chrysene-d12	17.27	240	344564	40.00	ng		-0.02
105) Perylene-d12	21.50	264	272788	40.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	41439	18.23	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 18.23%#				
9) Phenol-d5	4.51	99	60653	19.19	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 19.19%				
24) Nitrobenzene-d5	5.40	82	59624	19.34	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 38.68%				
50) 2-Fluorobiphenyl	7.73	172	128627	19.81	ng		-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 39.62%#				
72) 2,4,6-Tribromophenol	10.34	330	17878	19.03	ng		-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 19.03%				
94) 4-Terphenyl-d14	15.07	244	165400	19.94	ng		-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 39.88%				
Target Compounds							Qvalue
2) Pyridine	1.51	79	43844	19.11	ng		97
3) 2-Picoline	2.66	93	46081	18.84	ng		97
4) Methyl methanesulfonate	3.28	80	27848	18.88	ng	#	95
6) Ethyl methanesulfonate	4.06	79	37043	18.84	ng		97
7) Benzaldehyde	4.33	105	37765	21.72	µg		99
8) Aniline	4.48	66	26859	17.62	ng	#	82
10) Phenol	4.52	94	68076	20.32	ng		91
11) Bis(2-chloroethyl)ether	4.54	63	38568	17.89	ng	#	79
12) 2-Chlorophenol	4.60	128	52936	19.28	ng		99
13) 1,3-Dichlorobenzene	4.73	146	60614	19.72	ng		100
14) 1,4-Dichlorobenzene	4.78	146	64564	20.22	ng		99
15) 1,2-Dichlorobenzene	4.98	146	59772	20.05	ng		99
16) Benzyl alcohol	4.97	108	32531	18.61	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	89162	19.95	ng		99
18) 2-Methylphenol	5.12	107	40959	19.17	ng		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	105601	40.81	ng		98
20)	N-Nitrosodi-n-propylamine	5.26	70	42212	19.74	ng		95
21)	N-Nitrosodimethylamine	1.50	42	19941	18.72	ng	#	90
22)	Hexachloroethane	5.31	117	23955	19.96	ng		99
25)	Acetophenone	5.23	105	151948	39.31	ng		96
26)	Nitrobenzene	5.42	77	58844	18.69	ng		98
27)	N-Nitrosopiperidine	5.58	114	26114	19.23	ng		99
28)	Isophorone	5.68	82	108756	19.66	ng		99
29)	2-Nitrophenol	5.78	139	28265	18.69	ng		98
30)	2,4-Dimethylphenol	5.84	122	47340	19.25	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	60397	19.51	ng		98
32)	2,4-Dichlorophenol	6.08	162	45026	19.13	ng		98
33)	1,2,4-Trichlorobenzene	6.15	180	52102	19.65	ng		99
34)	Naphthalene	6.23	128	168438	19.76	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.34	162	45839	19.60	ng		97
37)	4-Chloroaniline	6.33	127	66321	19.62	ng		97
38)	Hexachlorobutadiene	6.46	225	30673	19.61	ng		99
39)	a,a-Dimethylphenethylamine	6.08	58	133301m	18.96	ng		
40)	Caprolactam	6.76	55	27215	18.17	µg		93
41)	4-Chloro-3-methylphenol	7.00	107	45685	19.02	ng		100
42)	N-Nitrosodi-n-butylamine	6.79	84	47044	18.09	ng		94
43)	2-Methylnaphthalene	7.15	142	112829	19.96	ng		99
44)	1-Methylnaphthalene	7.31	142	113192	19.98	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	54707	19.69	ng		99
47)	Hexachlorocyclopentadiene	7.49	237	17319	19.29	ng	#	92
48)	2,4,6-Trichlorophenol	7.63	196	32640	18.63	ng		97
49)	2,4,5-Trichlorophenol	7.71	196	37355	19.24	ng		99
51)	Biphenyl	7.87	154	157092	20.04	µg		99
52)	2-Chloronaphthalene	7.89	162	108520	20.06	ng		98
53)	1-Chloronaphthalene	7.94	162	106019	20.02	ng		98
54)	2-Nitroaniline	8.12	65	29449	18.49	ng		98
55)	3-Nitroaniline	8.84	138	27355	18.34	ng	#	94
56)	Pentachlorobenzene	9.24	250	49304	19.82	ng		99
57)	4-Nitroaniline	9.98	138	27403	19.54	ng		92
58)	2-Naphthylamine	9.35	143	106706	20.38	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.49	143	110076	20.48	ng	97
60)	Dimethyl phthalate	8.48	163	119501	19.47	ng	99
61)	Acenaphthylene	8.58	152	150126	19.75	ng	99
62)	2,6-Dinitrotoluene	8.59	165	25991	19.00	ng	99
63)	Acenaphthene	8.90	154	106126	19.65	ng	100
64)	2,4-Dinitrophenol	9.06	184	4614m	21.96	ng	
65)	Dibenzofuran	9.19	168	154149	19.71	ng	74
66)	4-Nitrophenol	9.28	65	21173m	20.92	ng	
67)	2,4-Dinitrotoluene	9.29	165	35484	18.87	ng	95
68)	2,3,4,6-Tetrachlorophenol	9.53	232	30099	18.72	ng	99
69)	Diethyl phthalate	9.77	149	120887	19.54	ng	99
70)	Fluorene	9.83	166	131438	19.73	ng	99
71)	4-Chlorophenyl phenyl ethe	9.85	204	64033	19.92	ng	99
74)	4,6-Dinitro-2-methylphenol	10.05	198	17697	18.90	ng	90
75)	Azobenzene	10.15	77	125601	19.80	ng	98
76)	1,2-Diphenylhydrazine	10.15	182	36039	19.34	ng	95
77)	Diphenylamine	10.10	170	25326	19.79	ng	97
78)	N-Nitrosodiphenylamine	10.10	168	125792	19.80	ng	97
79)	4-Bromophenyl phenyl ether	10.79	248	37718	19.34	ng	99
80)	Phenacetin	10.82	108	52244	17.85	ng	98
81)	Hexachlorobenzene	11.06	284	39083	19.52	ng	99
82)	Atrazine	11.26	200	37983	19.35	µg	99
83)	4-Aminobiphenyl	11.33	169	130576	19.97	ng	99
84)	Pentachlorophenol	11.45	266	16352	19.73	ng	96
85)	Pentachloronitrobenzene	11.59	237	16323	19.26	ng	98
86)	Pronamide	11.58	173	53711	19.09	ng	99
87)	Phenanthrene	11.70	178	197920	19.83	ng	99
88)	Anthracene	11.79	178	196819	19.88	ng	99
89)	Carbazole	12.17	167	177921	19.34	ng	98
90)	Di-n-butyl phthalate	13.09	149	207353	19.25	ng	99
91)	Fluoranthene	14.19	202	220761	19.37	ng	99
93)	Pyrene	14.65	202	229005	19.92	ng	100
95)	Benzidine	14.55	184	94817	22.07	ng	95
96)	Dimethylaminoazobenzene	15.42	225	46679	18.87	ng	99
97)	Butyl benzyl phthalate	16.24	149	94822	19.17	ng	99
98)	Benz(a)anthracene	17.23	228	220406	19.35	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:29:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

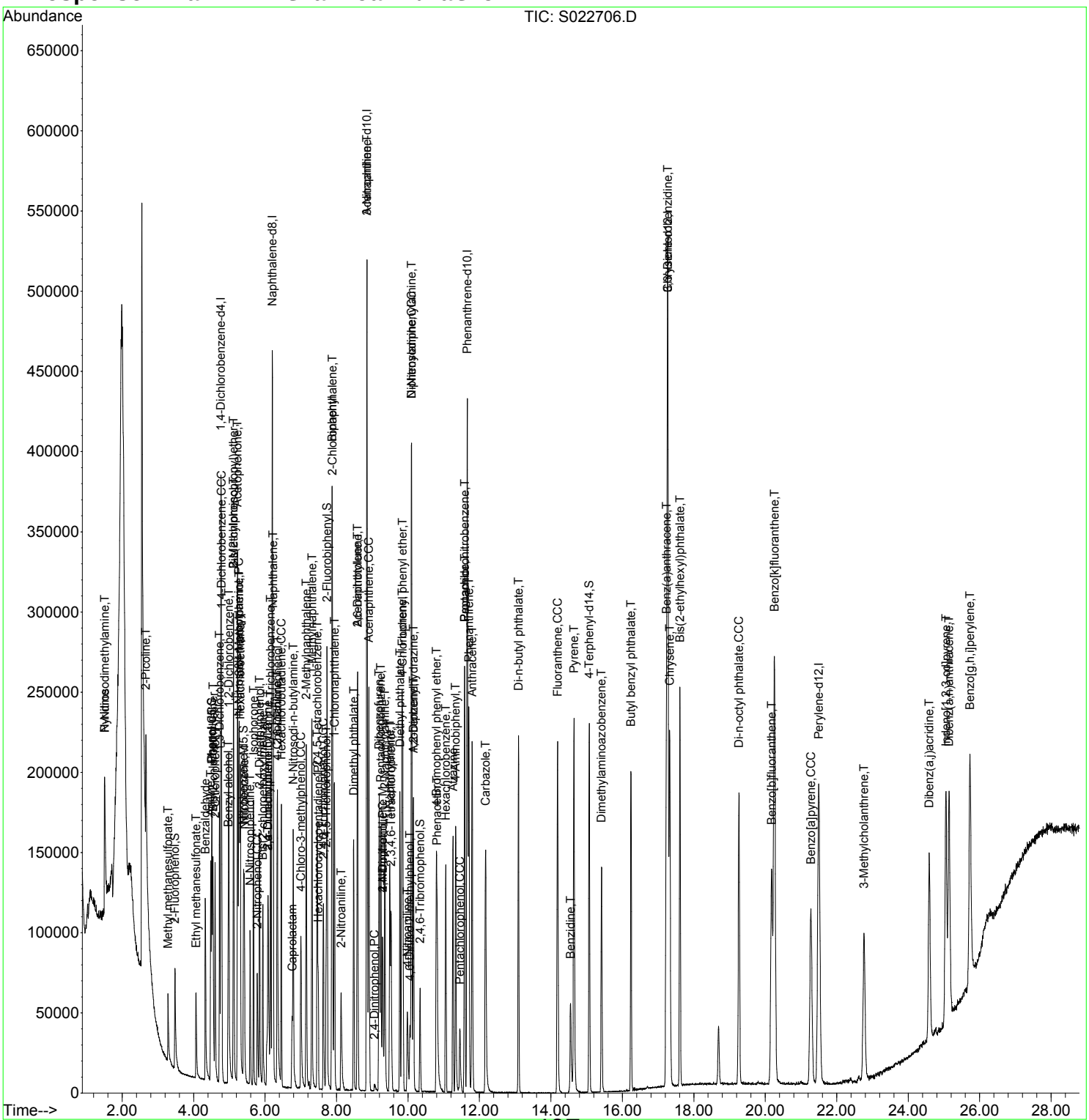
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	79678	19.44	ng		99
100)	Chrysene	17.32	228	216960	19.89	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.61	149	132952	19.06	ng		100
102)	Di-n-octyl phthalate	19.26	149	236277	18.90	ng	#	98
103)	3-Methylcholanthrene	22.76	268	99090	18.60	ng		98
104)	Indeno[1,2,3-cd]pyrene	25.06	276	210675	18.09	ng	#	96
106)	Benzo[b]fluoranthene	20.18	252	209852	18.80	ng		99
107)	Benzo[k]fluoranthene	20.26	252	219033	19.40	ng		96
108)	Benzo[a]pyrene	21.28	252	203986	19.33	ng		98
109)	Dibenz(a,j)acridine	24.59	279	177134	18.73	ng		99
110)	Dibenz(a,h)anthracene	25.14	278	203319	18.86	ng		100
111)	Benzo[g,h,i]perylene	25.73	276	216394	18.77	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:32 2004 Quant Results File: B022704.RES

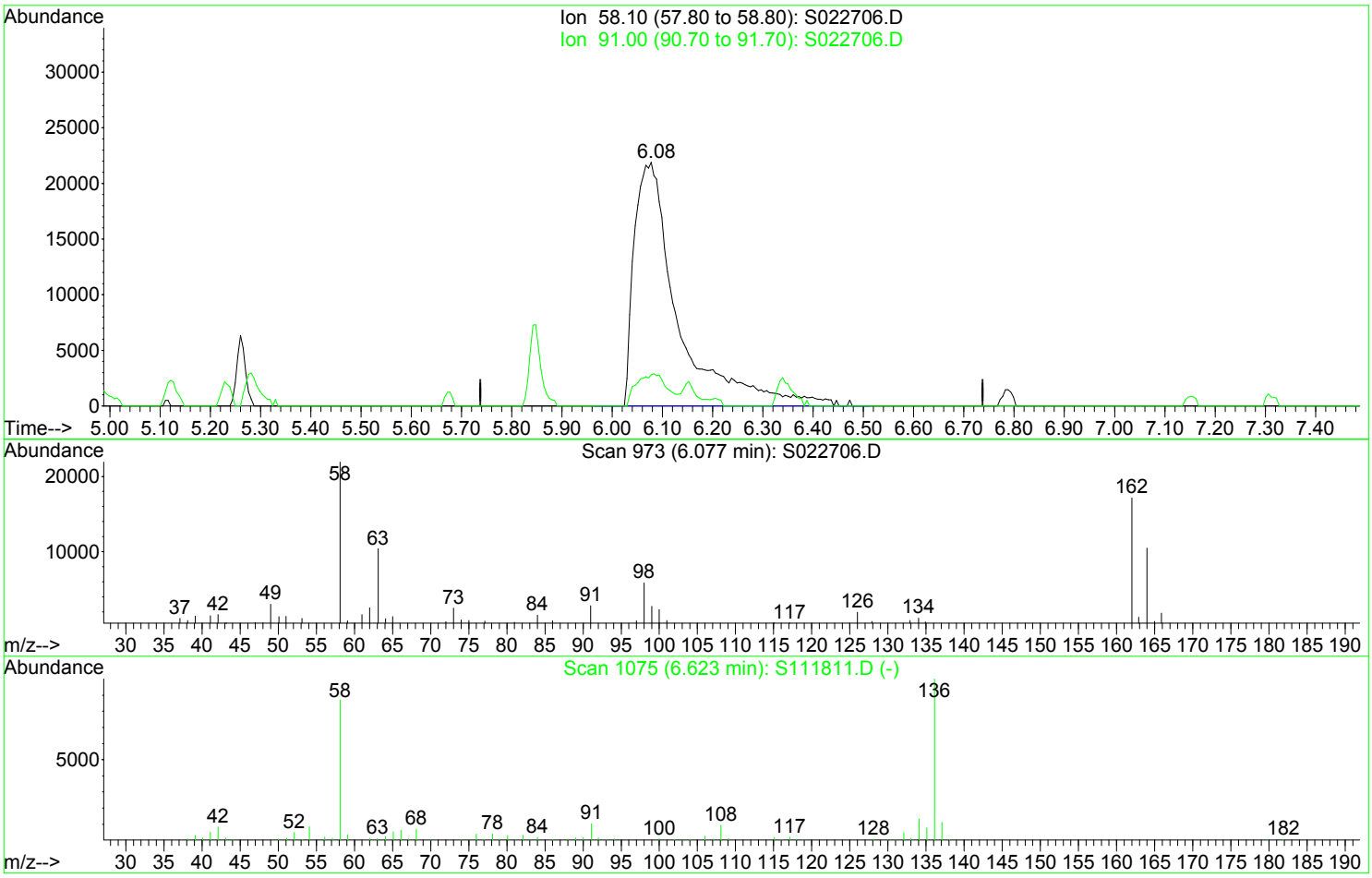
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D **Vial: 3**
Acq On : 27 Feb 2004 1:53 pm **Operator: YH**
Sample : BNA20 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(39) a,a-Dimethylphenethylamine (T)

6.08min 18.96ng m

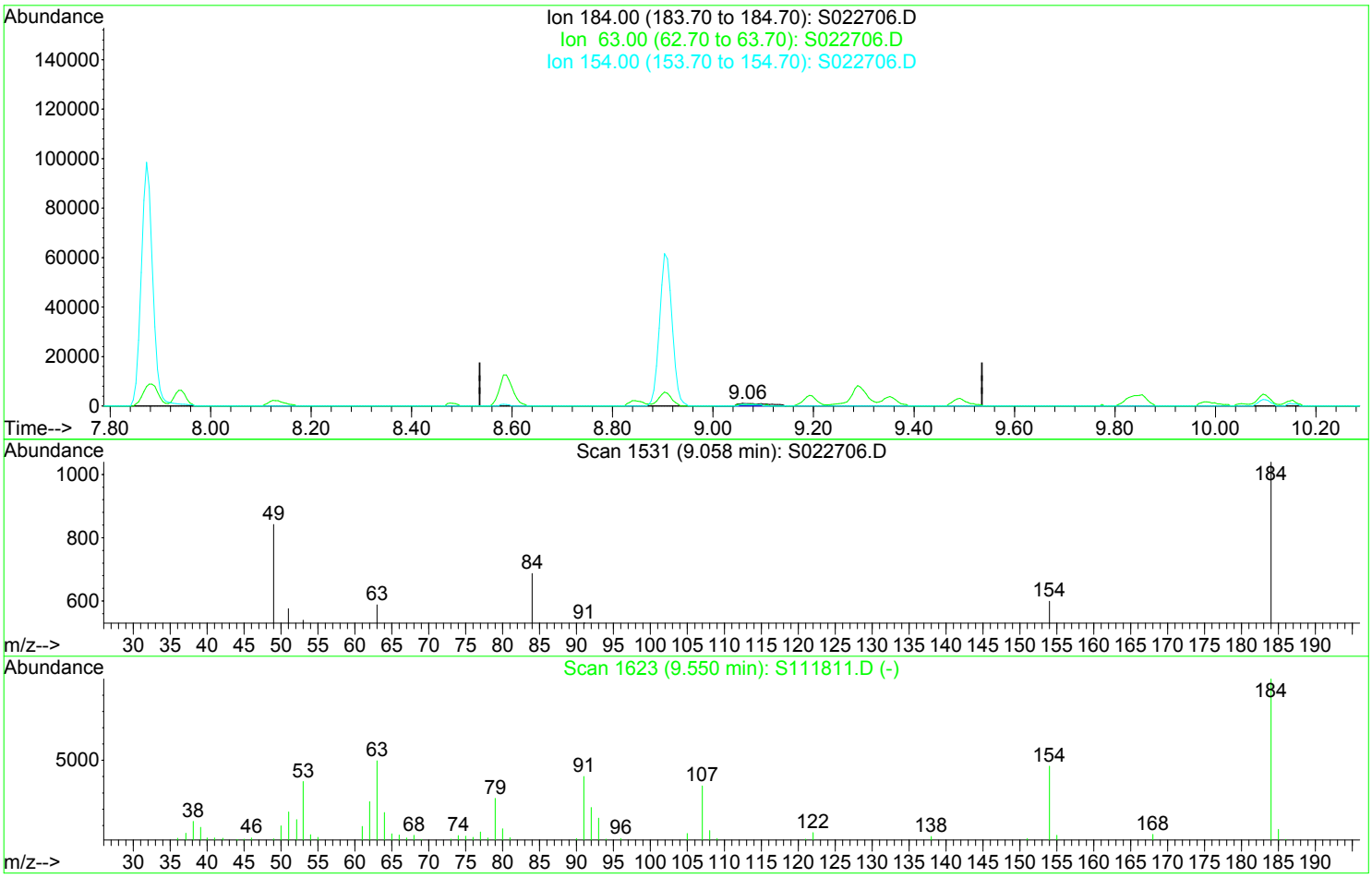
response 133301

Ion	Exp%	Act%
58.10	100	100
91.00	6.90	9.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D **Vial: 3**
Acq On : 27 Feb 2004 1:53 pm **Operator: YH**
Sample : BNA20 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(64) 2,4-Dinitrophenol (PC)

9.06min 21.96ng m

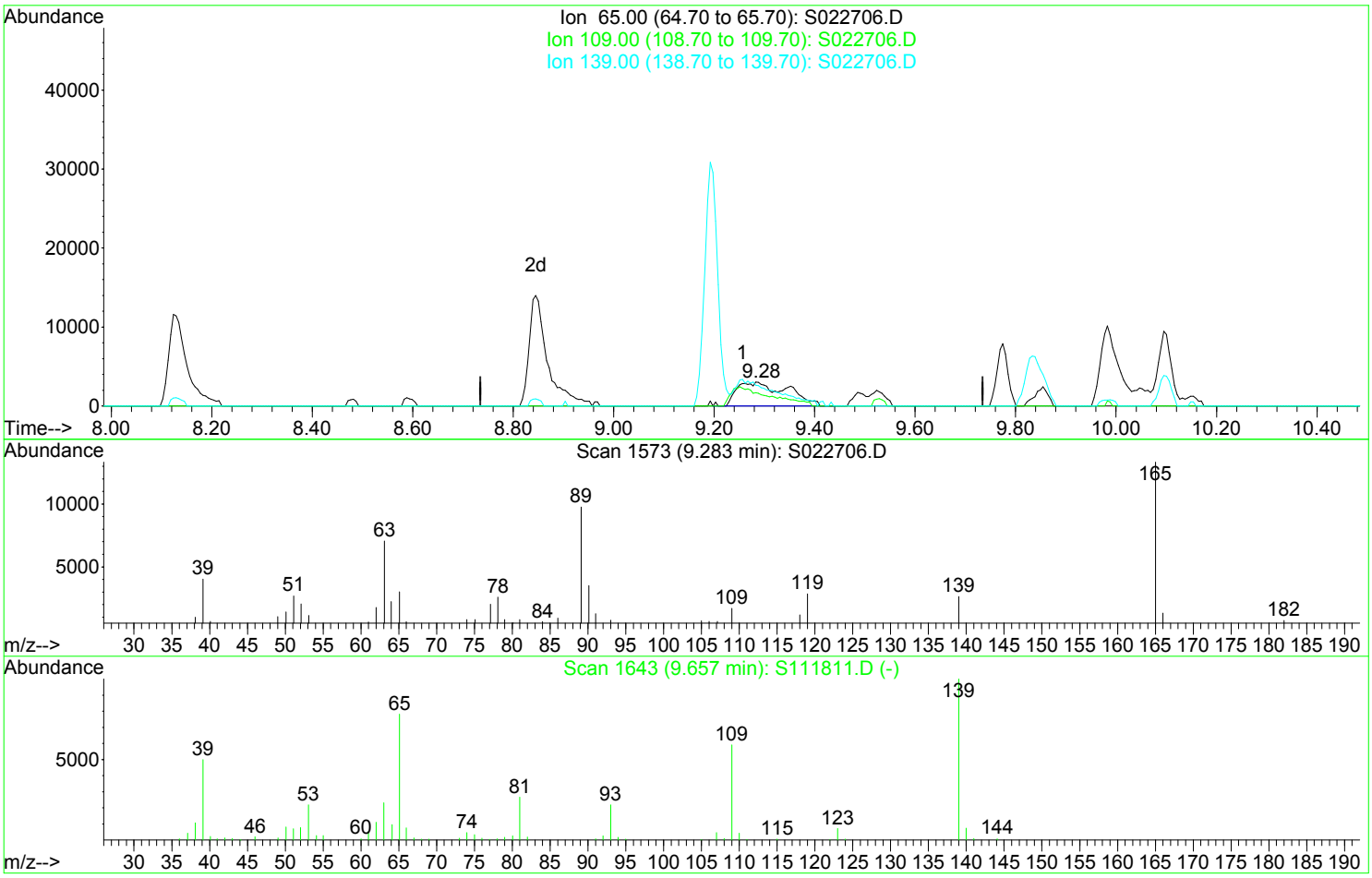
response 4614

Ion	Exp%	Act%
184.00	100	100
63.00	57.40	0.00#
154.00	50.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022706.D Vial: 3
Acq On : 27 Feb 2004 1:53 pm Operator: YH
Sample : BNA20 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:32 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:21:17 2004
Response via : Multiple Level Calibration



TIC: S022706.D

(66) 4-Nitrophenol (PC)

9.28min 20.92ng m

response 21173

Ion	Exp%	Act%
65.00	100	100
109.00	92.80	62.56#
139.00	390.00	86.89#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	81355	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	306204	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	187514	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	337270	40.00	ng	0.00
92) Chrysene-d12	17.29	240	356114	40.00	ng	0.00
105) Perylene-d12	21.53	264	283638	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.48	112	94647	41.65	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 41.65%			
9) Phenol-d5	4.51	99	129128	40.87	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 40.87%			
24) Nitrobenzene-d5	5.40	82	125875	40.89	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 81.78%			
50) 2-Fluorobiphenyl	7.74	172	265685	40.66	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 81.32%			
72) 2,4,6-Tribromophenol	10.35	330	38673	40.92	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 40.92%			
94) 4-Terphenyl-d14	15.08	244	350716	40.90	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 81.80%			
Target Compounds						Qvalue
2) Pyridine	1.50	79	93185	40.62	ng	# 96
3) 2-Picoline	2.66	93	96977	39.66	ng	99
4) Methyl methanesulfonate	3.28	80	60711	41.16	ng	99
6) Ethyl methanesulfonate	4.07	79	79803	40.60	ng	99
7) Benzaldehyde	4.33	105	79614	50.12	µg	99
8) Aniline	4.48	66	61761	40.52	ng	92
10) Phenol	4.52	94	135698	40.52	ng	89
11) Bis(2-chloroethyl)ether	4.55	63	88957	41.26	ng	97
12) 2-Chlorophenol	4.60	128	112710	41.05	ng	98
13) 1,3-Dichlorobenzene	4.73	146	124948	40.66	ng	99
14) 1,4-Dichlorobenzene	4.79	146	126995	39.77	ng	99
15) 1,2-Dichlorobenzene	4.99	146	122740	41.18	ng	98
16) Benzyl alcohol	4.97	108	72407	41.44	ng	98
17) Bis(2-chloroisopropyl)ethe	5.12	45	183257	41.02	ng	99
18) 2-Methylphenol	5.13	107	87500	40.95	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	210930	81.52	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	87899	41.11	ng		94
21)	N-Nitrosodimethylamine	1.50	42	44396	41.69	ng	#	95
22)	Hexachloroethane	5.31	117	48628	40.53	ng		98
25)	Acetophenone	5.24	105	314975	81.60	ng		99
26)	Nitrobenzene	5.42	77	129155	41.07	ng		98
27)	N-Nitrosopiperidine	5.59	114	55476	40.90	ng		100
28)	Isophorone	5.68	82	224761	40.68	ng		99
29)	2-Nitrophenol	5.78	139	62091	41.12	ng		98
30)	2,4-Dimethylphenol	5.85	122	101048	41.14	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	126891	41.05	ng		99
32)	2,4-Dichlorophenol	6.08	162	95889	40.80	ng		100
33)	1,2,4-Trichlorobenzene	6.16	180	107314	40.52	ng		99
34)	Naphthalene	6.23	128	349066	41.01	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.35	162	96282	41.23	ng		99
37)	4-Chloroaniline	6.34	127	139564	41.35	ng		97
38)	Hexachlorobutadiene	6.46	225	63956	40.94	ng		99
39)	a,a-Dimethylphenethylamine	6.17	58	292350m	42.74	ng		
40)	Caprolactam	6.78	55	62205	41.58	µg		98
41)	4-Chloro-3-methylphenol	7.01	107	98728	41.17	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	109225	42.06	ng		96
43)	2-Methylnaphthalene	7.16	142	230281	40.79	ng		99
44)	1-Methylnaphthalene	7.32	142	231428	40.90	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	114023	40.79	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	42862	38.30	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	71308	40.45	ng		99
49)	2,4,5-Trichlorophenol	7.72	196	81125	41.52	ng		98
51)	Biphenyl	7.88	154	322622	40.90	µg		99
52)	2-Chloronaphthalene	7.89	162	224253	41.20	ng		98
53)	1-Chloronaphthalene	7.95	162	215340	40.41	ng		98
54)	2-Nitroaniline	8.13	65	65392	40.80	ng		99
55)	3-Nitroaniline	8.85	138	62398	41.57	ng	#	99
56)	Pentachlorobenzene	9.25	250	101827	40.68	ng		99
57)	4-Nitroaniline	9.99	138	61528	39.86	ng		98
58)	2-Naphthylamine	9.36	143	224689	42.64	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.50	143	233517	43.17	ng	100
60)	Dimethyl phthalate	8.49	163	250328	40.53	ng	99
61)	Acenaphthylene	8.59	152	311834	40.77	ng	99
62)	2,6-Dinitrotoluene	8.60	165	56186	40.82	ng	99
63)	Acenaphthene	8.91	154	219012	40.30	ng	100
64)	2,4-Dinitrophenol	9.05	184	24308	39.50	ng	95
65)	Dibenzofuran	9.21	168	322532	40.98	ng	96
66)	4-Nitrophenol	9.24	65	45198m	43.61	ng	
67)	2,4-Dinitrotoluene	9.30	165	78441	41.45	ng	97
68)	2,3,4,6-Tetrachlorophenol	9.53	232	66666	41.21	ng	100
69)	Diethyl phthalate	9.79	149	255227	41.00	ng	99
70)	Fluorene	9.84	166	273518	40.81	ng	99
71)	4-Chlorophenyl phenyl ethe	9.87	204	132936	41.10	ng	98
74)	4,6-Dinitro-2-methylphenol	10.06	198	49076	39.65	ng	92
75)	Azobenzene	10.16	77	261938	41.16	ng	99
76)	1,2-Diphenylhydrazine	10.16	182	76273	40.80	ng	95
77)	Diphenylamine	10.11	170	53497	41.68	ng	99
78)	N-Nitrosodiphenylamine	10.11	168	263730	41.37	ng	99
79)	4-Bromophenyl phenyl ether	10.81	248	79908	40.83	ng	100
80)	Phenacetin	10.83	108	121592	41.42	ng	100
81)	Hexachlorobenzene	11.07	284	81942	40.80	ng	100
82)	Atrazine	11.28	200	81833	41.55	µg	99
83)	4-Aminobiphenyl	11.35	169	280585	42.77	ng	100
84)	Pentachlorophenol	11.46	266	44537	39.39	ng	98
85)	Pentachloronitrobenzene	11.61	237	35052	41.23	ng	99
86)	Pronamide	11.60	173	116568	41.29	ng	99
87)	Phenanthrene	11.72	178	410650	41.02	ng	100
88)	Anthracene	11.81	178	408205	41.10	ng	99
89)	Carbazole	12.18	167	379074	41.08	ng	98
90)	Di-n-butyl phthalate	13.11	149	445518	41.22	ng	99
91)	Fluoranthene	14.20	202	471152	41.21	ng	100
93)	Pyrene	14.66	202	487457	41.04	ng	99
95)	Benzidine	14.56	184	192041m	42.13	ng	
96)	Dimethylaminoazobenzene	15.43	225	105622	41.32	ng	98
97)	Butyl benzyl phthalate	16.25	149	208002	40.68	ng	99
98)	Benz(a)anthracene	17.25	228	480167	40.80	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:45:37 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

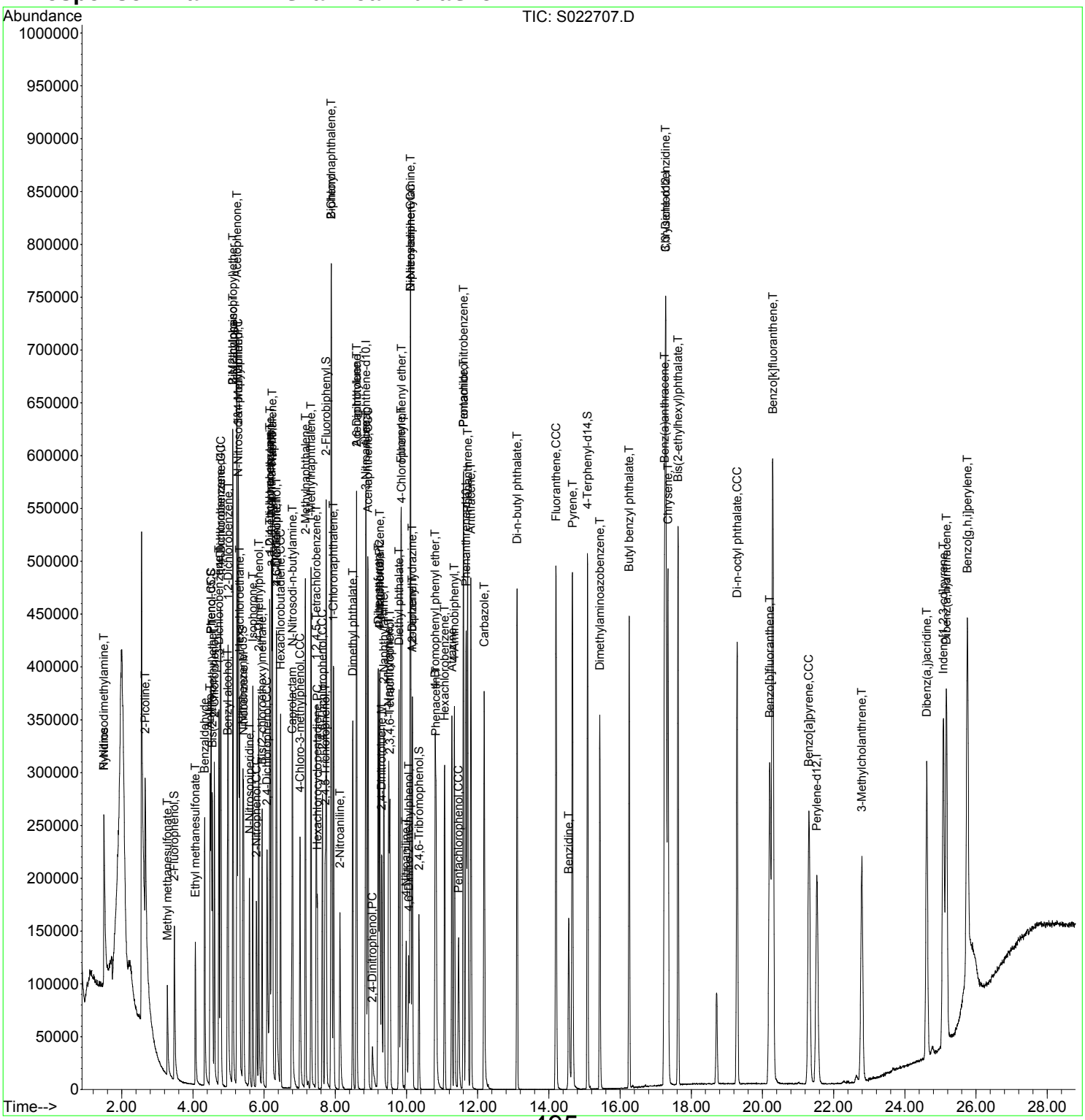
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.28	252	176969	41.78	ng		100
100)	Chrysene	17.34	228	463757	41.13	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.63	149	292173	40.52	ng		100
102)	Di-n-octyl phthalate	19.29	149	517644	40.06	ng		99
103)	3-Methylcholanthrene	22.79	268	217298	39.47	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.09	276	463283	38.50	ng	#	100
106)	Benzo[b]fluoranthene	20.20	252	475815	40.99	ng		98
107)	Benzo[k]fluoranthene	20.29	252	457280	38.95	ng		96
108)	Benzo[a]pyrene	21.31	252	449542	40.98	ng		99
109)	Dibenz(a,j)acridine	24.62	279	392213	39.88	ng		99
110)	Dibenz(a,h)anthracene	25.17	278	454292	40.54	ng		99
111)	Benzo[g,h,i]perylene	25.76	276	475041	39.63	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D Vial: 4
Acq On : 27 Feb 2004 2:30 pm Operator: YH
Sample : BNA40 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 Quant Results File: B022704.RES

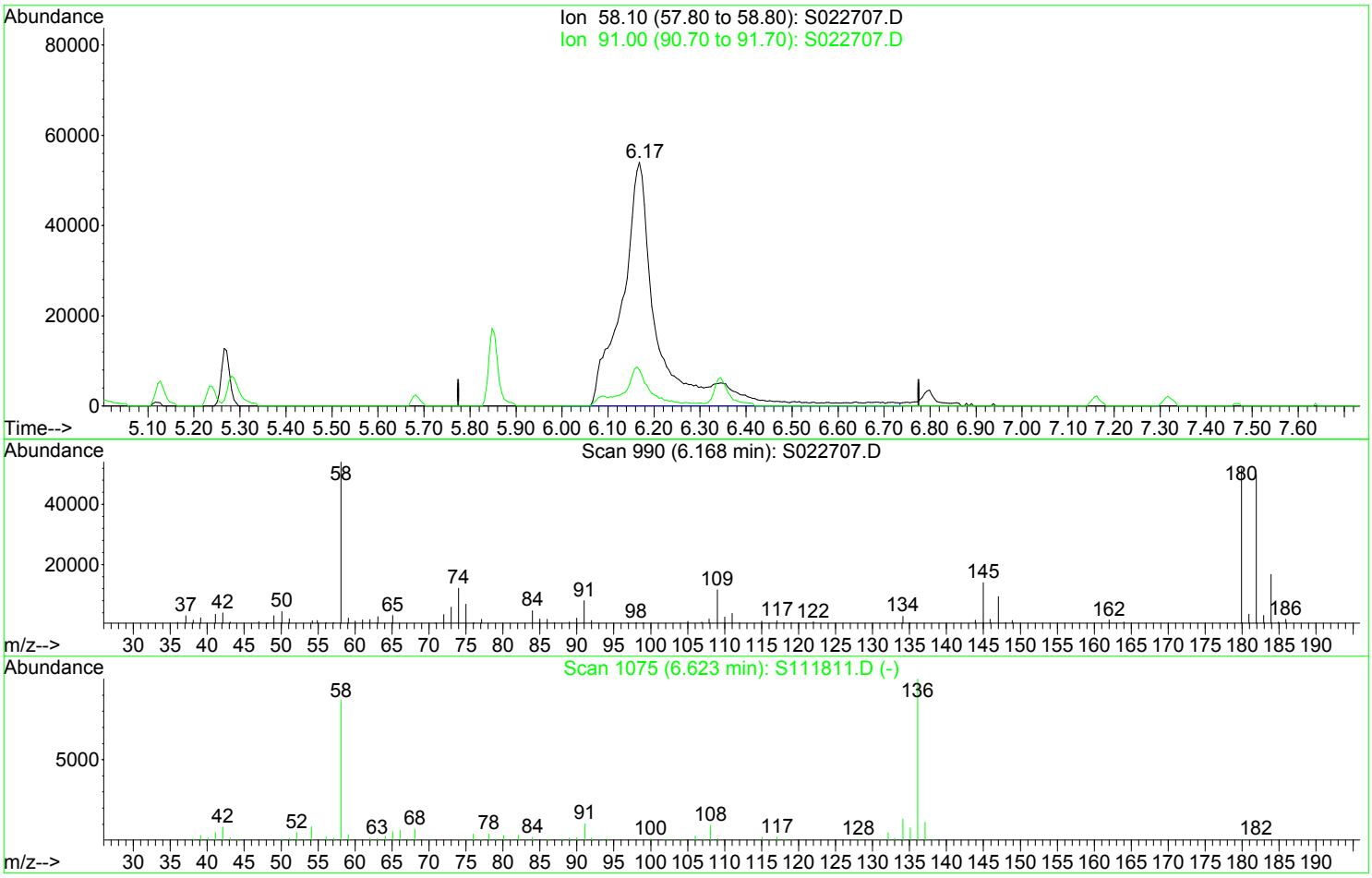
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(39) a,a-Dimethylphenethylamine (T)

6.17min 42.74ng m

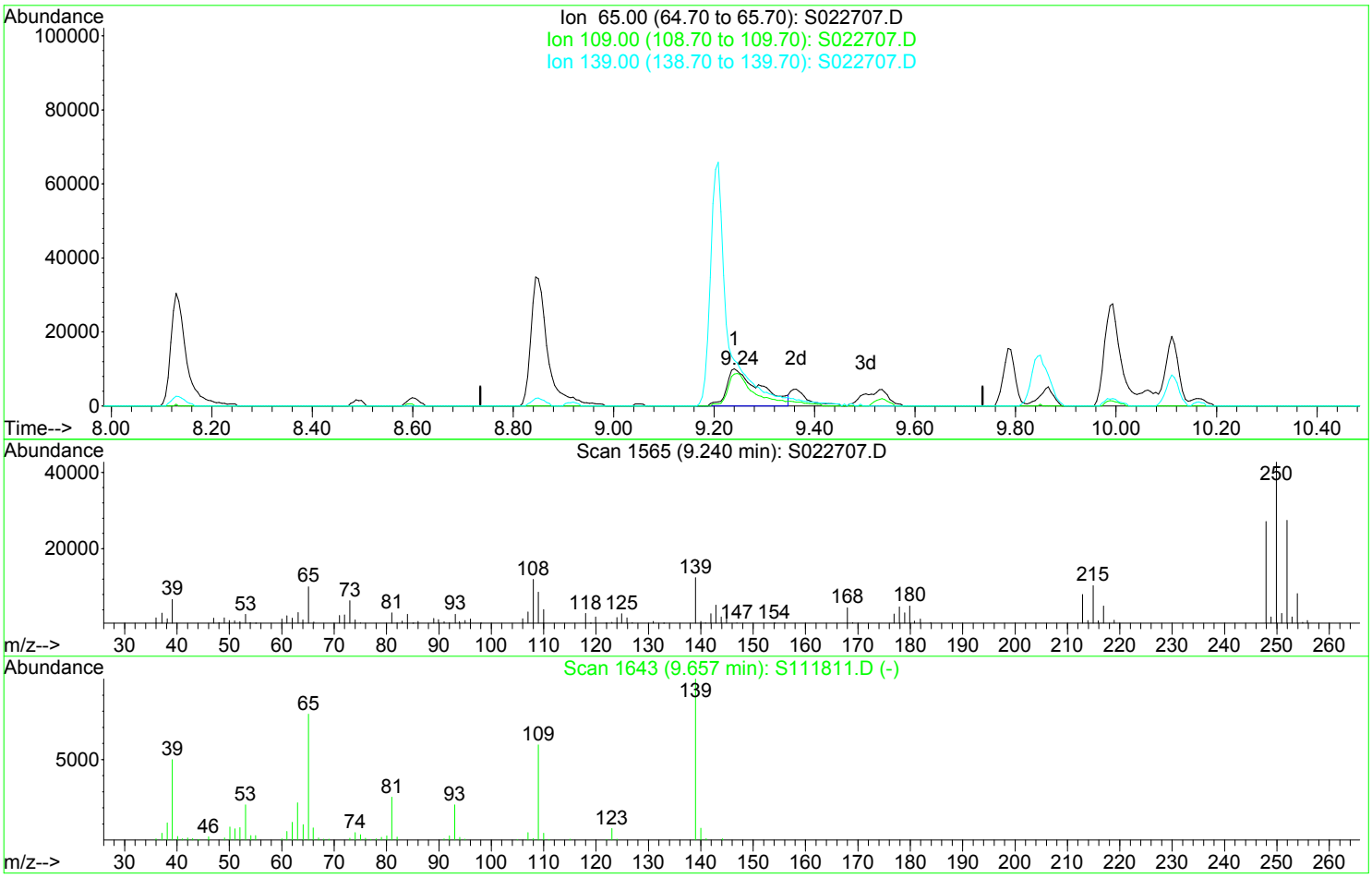
response 292350

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	7.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(66) 4-Nitrophenol (PC)

9.24min 43.61ng m

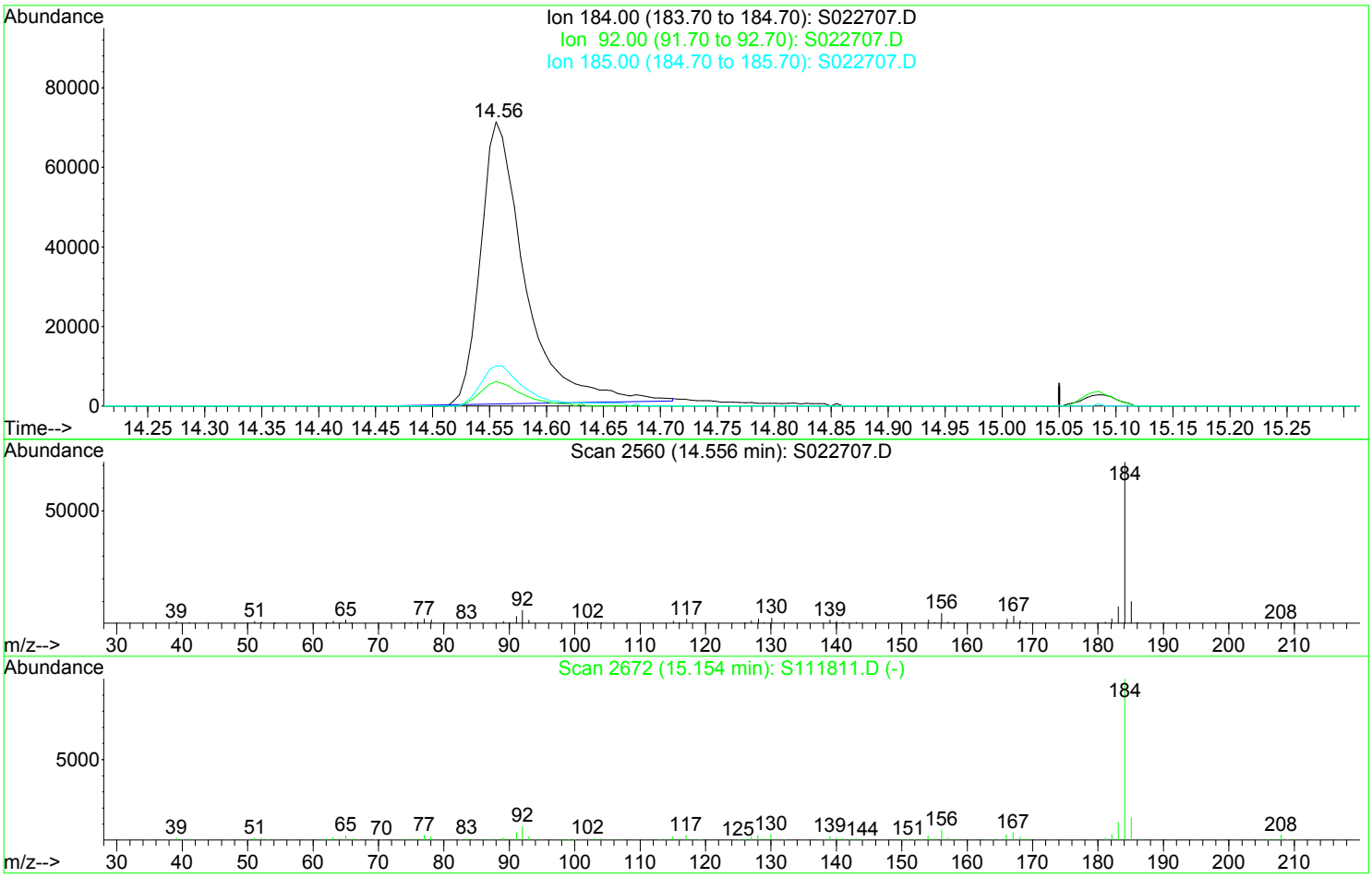
response 45198

Ion	Exp%	Act%
65.00	100	100
109.00	89.40	77.44
139.00	378.00	371.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022707.D **Vial: 4**
Acq On : 27 Feb 2004 2:30 pm **Operator: YH**
Sample : BNA40 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:07 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022707.D

(95) Benzidine (T)

14.56min 42.13ng m

response 192041

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.25
185.00	13.80	14.73
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	89117	40.00	ng	0.00
23) Naphthalene-d8	6.22	136	332505	40.00	ng	0.00
45) Acenaphthene-d10	8.87	164	203572	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	361556	40.00	ng	0.00
92) Chrysene-d12	17.30	240	382188	40.00	ng	0.00
105) Perylene-d12	21.54	264	310647	40.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.48	112	157056	63.09	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 63.09%			
9) Phenol-d5	4.51	99	213818	61.78	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 61.78%			
24) Nitrobenzene-d5	5.40	82	206802	61.86	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 123.72%#			
50) 2-Fluorobiphenyl	7.75	172	437418	61.66	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 123.32%#			
72) 2,4,6-Tribromophenol	10.36	330	63366	61.76	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 61.76%			
94) 4-Terphenyl-d14	15.10	244	561345	61.00	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 122.00%			
Target Compounds						Qvalue
2) Pyridine	1.49	79	154429	61.45	ng	99
3) 2-Picoline	2.65	93	167277	62.45	ng	98
4) Methyl methanesulfonate	3.28	80	102940	63.71	ng	98
6) Ethyl methanesulfonate	4.07	79	134986	62.70	ng	99
7) Benzaldehyde	4.33	105	123339	70.88	µg	99
8) Aniline	4.49	66	101973	61.07	ng	91
10) Phenol	4.52	94	230572	62.85	ng	90
11) Bis(2-chloroethyl)ether	4.55	63	146313	61.95	ng	95
12) 2-Chlorophenol	4.60	128	186544	62.02	ng	99
13) 1,3-Dichlorobenzene	4.73	146	206568	61.37	ng	99
14) 1,4-Dichlorobenzene	4.79	146	212836	60.85	ng	100
15) 1,2-Dichlorobenzene	4.99	146	199017	60.96	ng	100
16) Benzyl alcohol	4.97	108	120089	62.74	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	297880	60.86	ng	99
18) 2-Methylphenol	5.13	107	142176	60.74	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.29	107	343725	121.28	ng		96
20)	N-Nitrosodi-n-propylamine	5.28	70	143546	61.29	ng		95
21)	N-Nitrosodimethylamine	1.49	42	78388	67.19	ng	#	92
22)	Hexachloroethane	5.32	117	80098	60.95	ng		99
25)	Acetophenone	5.24	105	513173	122.43	ng		99
26)	Nitrobenzene	5.43	77	211797	62.03	ng		98
27)	N-Nitrosopiperidine	5.60	114	92216	62.61	ng		99
28)	Isophorone	5.69	82	366709	61.11	ng		100
29)	2-Nitrophenol	5.79	139	104630	63.81	ng		98
30)	2,4-Dimethylphenol	5.85	122	165365	62.00	ng		99
31)	Bis(2-chloroethoxy)methane	5.95	93	209325	62.35	ng		100
32)	2,4-Dichlorophenol	6.08	162	160701	62.98	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	177942	61.87	ng		99
34)	Naphthalene	6.24	128	566825	61.32	ng		99
35)	Benzoic acid	6.14	122	5079	63.24	ng	#	45
36)	2,6-Dichlorophenol	6.36	162	157663	62.18	ng		100
37)	4-Chloroaniline	6.34	127	229985	62.75	ng		97
38)	Hexachlorobutadiene	6.47	225	103576	61.06	ng		99
39)	a,a-Dimethylphenethylamine	6.20	58	461629m	62.15	ng		
40)	Caprolactam	6.80	55	101263	62.34	µg		98
41)	4-Chloro-3-methylphenol	7.01	107	161718	62.10	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	173338	61.47	ng		99
43)	2-Methylnaphthalene	7.17	142	378842	61.80	ng		99
44)	1-Methylnaphthalene	7.32	142	379632	61.79	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	185039	60.97	ng		100
47)	Hexachlorocyclopentadiene	7.50	237	78305	60.19	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	118336	61.83	ng		99
49)	2,4,5-Trichlorophenol	7.72	196	130249	61.40	ng		99
51)	Biphenyl	7.89	154	525844	61.41	µg		99
52)	2-Chloronaphthalene	7.90	162	365642	61.88	ng		98
53)	1-Chloronaphthalene	7.96	162	352647	60.96	ng		98
54)	2-Nitroaniline	8.13	65	110140	63.30	ng		100
55)	3-Nitroaniline	8.86	138	103695	63.63	ng		99
56)	Pentachlorobenzene	9.26	250	166620	61.31	ng		100
57)	4-Nitroaniline	10.00	138	103547	60.12	ng		99
58)	2-Naphthylamine	9.37	143	354334	61.94	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	369740	62.96	ng		99
60)	Dimethyl phthalate	8.50	163	414403	61.81	ng		100
61)	Acenaphthylene	8.60	152	514200	61.92	ng		99
62)	2,6-Dinitrotoluene	8.61	165	92748	62.07	ng		98
63)	Acenaphthene	8.93	154	361230	61.23	ng		100
64)	2,4-Dinitrophenol	9.05	184	50642	59.43	ng		97
65)	Dibenzofuran	9.21	168	522162	61.11	ng		97
66)	4-Nitrophenol	9.24	65	60393	53.67	ng	#	70
67)	2,4-Dinitrotoluene	9.31	165	128353	62.48	ng		97
68)	2,3,4,6-Tetrachlorophenol	9.54	232	109179	62.17	ng		100
69)	Diethyl phthalate	9.80	149	412343	61.02	ng		100
70)	Fluorene	9.85	166	450164	61.87	ng		98
71)	4-Chlorophenyl phenyl ethe	9.88	204	215023	61.24	ng		99
74)	4,6-Dinitro-2-methylphenol	10.07	198	86525	60.61	ng		93
75)	Azobenzene	10.18	77	419798	61.54	ng		99
76)	1,2-Diphenylhydrazine	10.18	182	125847	62.80	ng		100
77)	Diphenylamine	10.12	170	85570	62.18	ng		100
78)	N-Nitrosodiphenylamine	10.12	168	425228	62.23	ng		100
79)	4-Bromophenyl phenyl ether	10.81	248	130689	62.30	ng		100
80)	Phenacetin	10.84	108	201356	63.98	ng		99
81)	Hexachlorobenzene	11.08	284	133184	61.86	ng		100
82)	Atrazine	11.29	200	131608	62.33	µg		100
83)	4-Aminobiphenyl	11.36	169	443141	63.02	ng		100
84)	Pentachlorophenol	11.47	266	79072	59.81	ng		99
85)	Pentachloronitrobenzene	11.62	237	56819	62.35	ng		99
86)	Pronamide	11.61	173	189333	62.56	ng		99
87)	Phenanthrene	11.73	178	657710	61.28	ng		100
88)	Anthracene	11.82	178	654250	61.45	ng		99
89)	Carbazole	12.19	167	606680	61.33	ng		99
90)	Di-n-butyl phthalate	13.11	149	727959	62.83	ng		100
91)	Fluoranthene	14.21	202	762554	62.21	ng		100
93)	Pyrene	14.67	202	776188	60.89	ng		99
95)	Benzidine	14.56	184	291961m	59.68	ng		
96)	Dimethylaminoazobenzene	15.44	225	170363	62.10	ng		99
97)	Butyl benzyl phthalate	16.27	149	338913	61.77	ng		99
98)	Benz(a)anthracene	17.26	228	776980	61.51	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:46:59 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

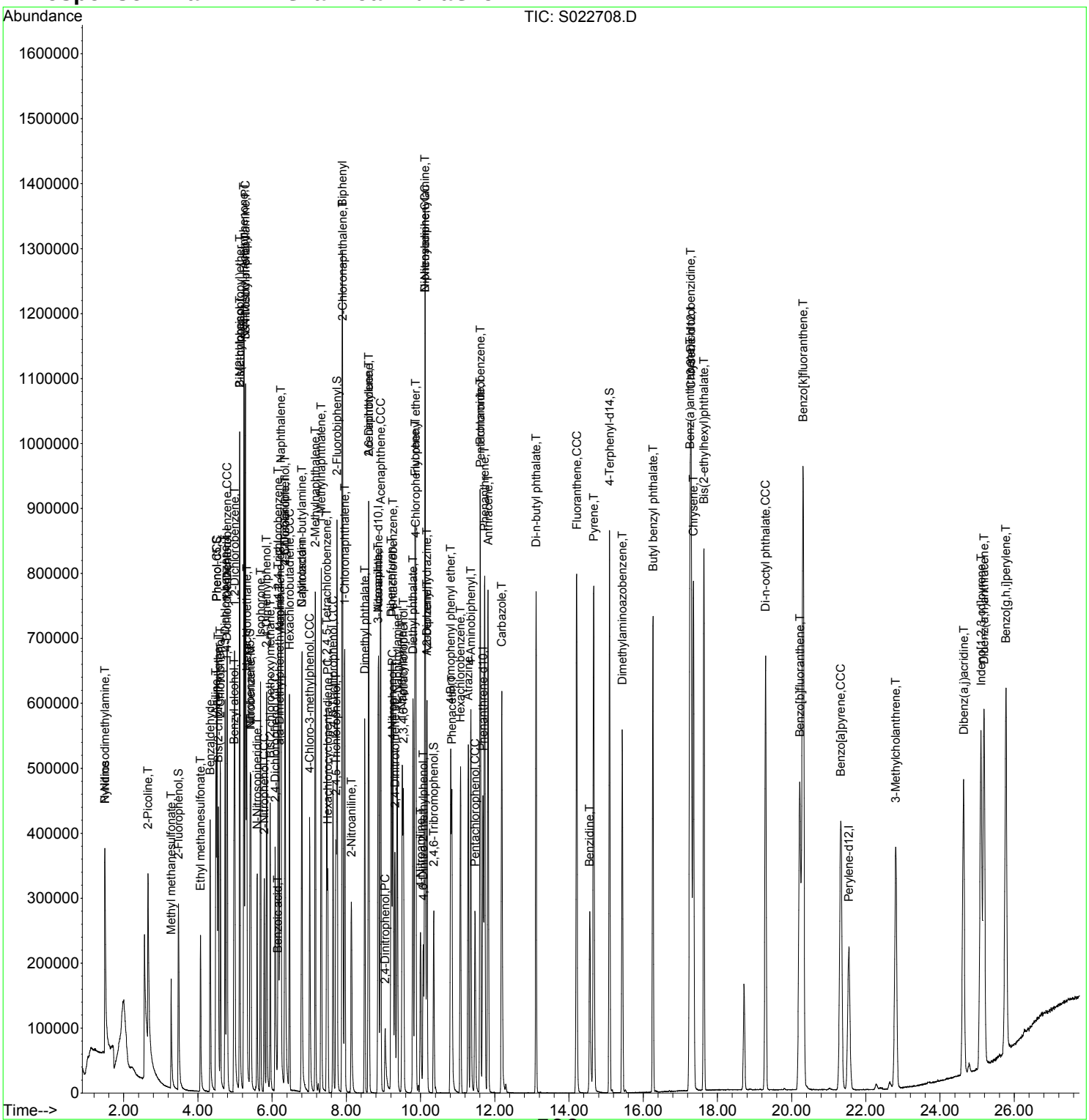
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	283342	62.33	ng		100
100)	Chrysene	17.36	228	734996	60.74	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.64	149	477912	61.75	ng		100
102)	Di-n-octyl phthalate	19.30	149	861345	62.12	ng		100
103)	3-Methylcholanthrene	22.80	268	361295	61.14	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.10	276	775214	60.03	ng	#	98
106)	Benzo[b]fluoranthene	20.22	252	776656	61.09	ng		98
107)	Benzo[k]fluoranthene	20.31	252	830900m	64.62	ng		
108)	Benzo[a]pyrene	21.33	252	744036	61.92	ng		100
109)	Dibenz(a,j)acridine	24.64	279	649873	60.33	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	742822	60.52	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	784956	59.79	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D Vial: 5
Acq On : 27 Feb 2004 3:07 pm Operator: YH
Sample : BNA60 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 Quant Results File: B022704.RES

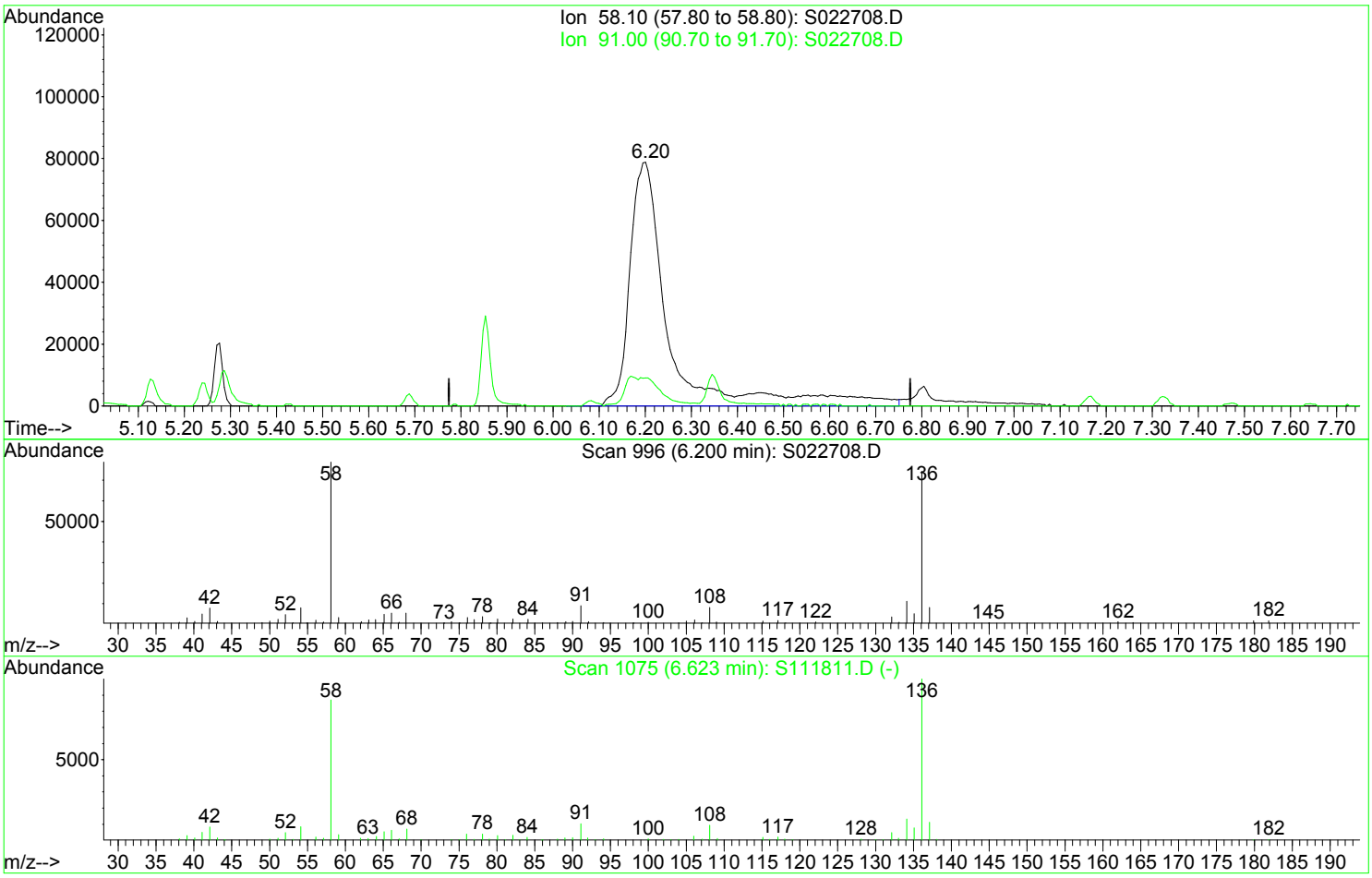
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(39) a,a-Dimethylphenethylamine (T)

6.20min 62.15ng m

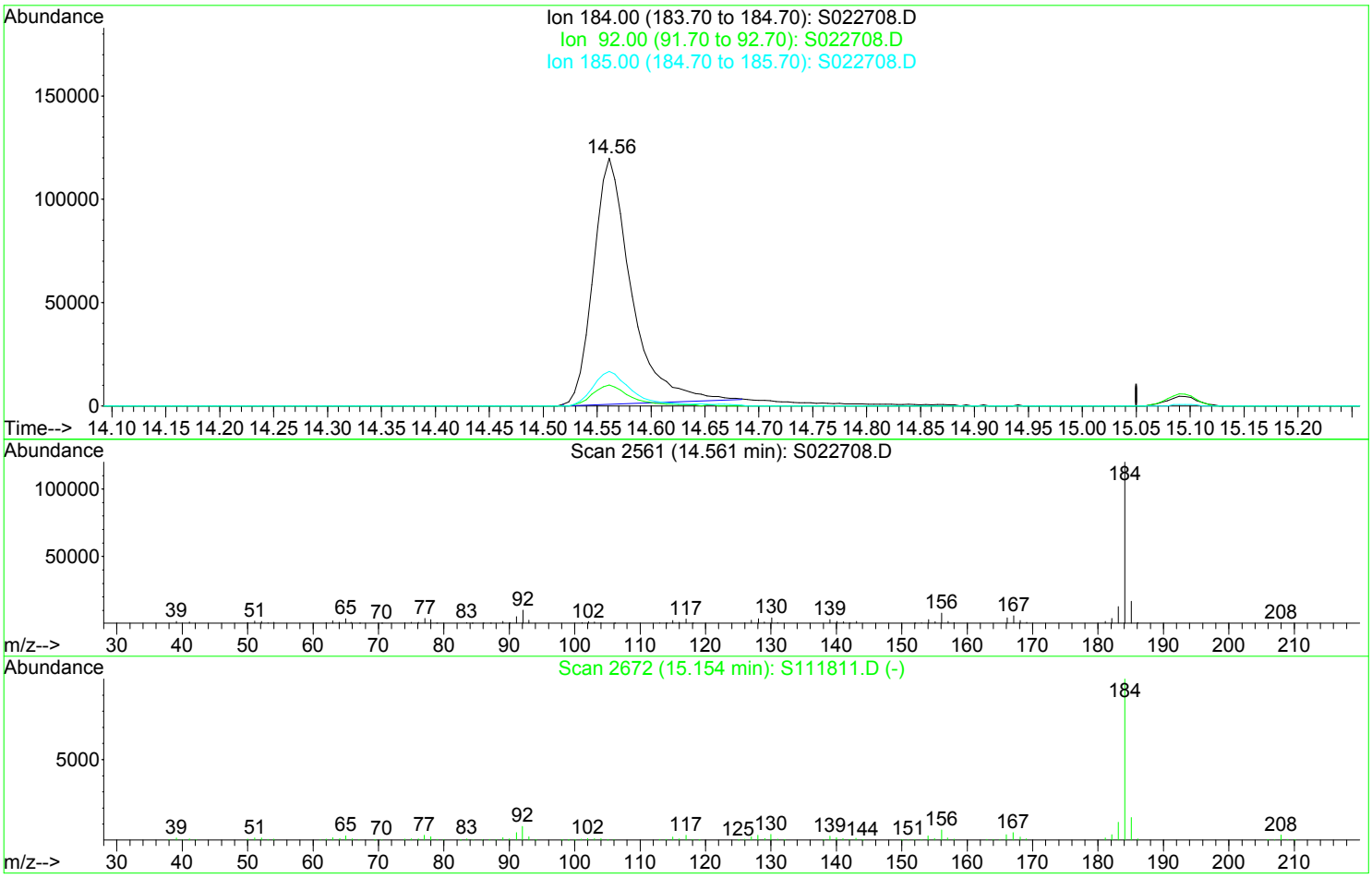
response 461629

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	4.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(95) Benzidine (T)

14.56min 59.68ng m

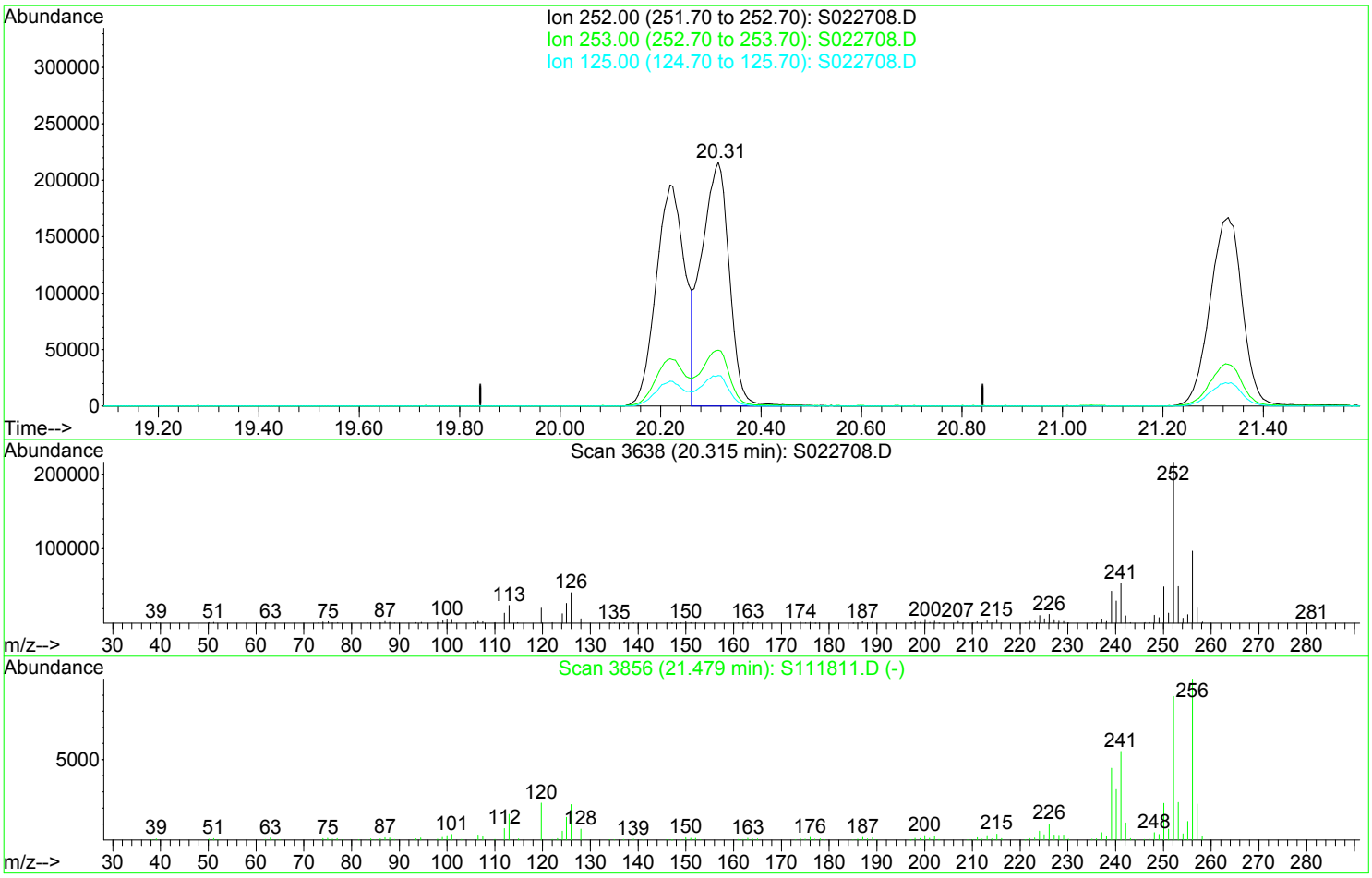
response 291961

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.65
185.00	13.80	14.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022708.D **Vial: 5**
Acq On : 27 Feb 2004 3:07 pm **Operator: YH**
Sample : BNA60 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:08 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022708.D

(107) Benzo[k]fluoranthene (T)

20.31min 64.62ng m

response 830900

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	20.88
125.00	11.40	10.64
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	78633	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	291981	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	178463	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	325118	40.00	ng	0.00
92) Chrysene-d12	17.29	240	345196	40.00	ng	0.00
105) Perylene-d12	21.53	264	279421	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	186220	84.77	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 84.77%			
9) Phenol-d5	4.51	99	254947	83.48	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 83.48%			
24) Nitrobenzene-d5	5.40	82	243669	83.01	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 166.02%#			
50) 2-Fluorobiphenyl	7.75	172	502776	80.84	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 161.68%#			
72) 2,4,6-Tribromophenol	10.36	330	74715	83.06	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 83.06%			
94) 4-Terphenyl-d14	15.09	244	670805	80.70	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 161.40%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	185205	83.52	ng	99
3) 2-Picoline	2.65	93	201338	85.19	ng	98
4) Methyl methanesulfonate	3.27	80	119633	83.92	ng	99
6) Ethyl methanesulfonate	4.06	79	157491	82.90	ng	100
7) Benzaldehyde	4.33	105	129211	84.16	µg	99
8) Aniline	4.48	66	127426	86.49	ng	98
10) Phenol	4.52	94	272848	84.29	ng	92
11) Bis(2-chloroethyl)ether	4.54	63	174295	83.64	ng	96
12) 2-Chlorophenol	4.60	128	217918	82.11	ng	99
13) 1,3-Dichlorobenzene	4.73	146	241299	81.25	ng	99
14) 1,4-Dichlorobenzene	4.79	146	248573	80.54	ng	100
15) 1,2-Dichlorobenzene	4.99	146	233219	80.96	ng	99
16) Benzyl alcohol	4.97	108	143384	84.90	ng	98
17) Bis(2-chloroisopropyl)ethe	5.12	45	349415	80.91	ng	99
18) 2-Methylphenol	5.13	107	167233	80.98	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	403737	161.45	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	167910	81.25	ng		99
21)	N-Nitrosodimethylamine	1.49	42	83642	81.26	ng		95
22)	Hexachloroethane	5.31	117	93453	80.59	ng		99
25)	Acetophenone	5.24	105	603700	164.01	ng		99
26)	Nitrobenzene	5.43	77	245047	81.73	ng		99
27)	N-Nitrosopiperidine	5.59	114	107617	83.20	ng		99
28)	Isophorone	5.69	82	431150	81.83	ng		100
29)	2-Nitrophenol	5.78	139	122299	84.94	ng		98
30)	2,4-Dimethylphenol	5.85	122	193567	82.64	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	242854	82.38	ng		100
32)	2,4-Dichlorophenol	6.08	162	187917	83.86	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	207371	82.11	ng		100
34)	Naphthalene	6.24	128	658755	81.16	ng		99
35)	Benzoic acid	6.01	122	9713	67.13	ng	#	76
36)	2,6-Dichlorophenol	6.35	162	183177	82.27	ng		99
37)	4-Chloroaniline	6.34	127	268510	83.43	ng		96
38)	Hexachlorobutadiene	6.46	225	119869	80.47	ng		99
39)	a,a-Dimethylphenethylamine	6.20	58	544446m	83.47	ng		
40)	Caprolactam	6.80	55	122859	86.13	µg		99
41)	4-Chloro-3-methylphenol	7.01	107	190841	83.46	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	202432	81.75	ng		99
43)	2-Methylnaphthalene	7.16	142	434511	80.72	ng		100
44)	1-Methylnaphthalene	7.32	142	438327	81.25	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	216290	81.30	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	94011	80.11	ng		99
48)	2,4,6-Trichlorophenol	7.64	196	139863	83.36	ng		100
49)	2,4,5-Trichlorophenol	7.72	196	154722	83.19	ng		99
51)	Biphenyl	7.88	154	607783	80.96	µg		99
52)	2-Chloronaphthalene	7.90	162	420449	81.17	ng		99
53)	1-Chloronaphthalene	7.95	162	407542	80.37	ng		99
54)	2-Nitroaniline	8.13	65	129808	85.11	ng		99
55)	3-Nitroaniline	8.85	138	123826	86.67	ng		100
56)	Pentachlorobenzene	9.26	250	193733	81.32	ng		100
57)	4-Nitroaniline	10.00	138	125036	81.67	ng		99
58)	2-Naphthylamine	9.37	143	409418	81.63	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	424482	82.45	ng		100
60)	Dimethyl phthalate	8.50	163	482995	82.17	ng		100
61)	Acenaphthylene	8.59	152	593678	81.55	ng		100
62)	2,6-Dinitrotoluene	8.60	165	109540	83.62	ng		99
63)	Acenaphthene	8.92	154	420320	81.27	ng		100
64)	2,4-Dinitrophenol	9.04	184	64805	78.56	ng		99
65)	Dibenzofuran	9.21	168	609787	81.41	ng		98
66)	4-Nitrophenol	9.23	65	78566	79.64	ng	#	87
67)	2,4-Dinitrotoluene	9.31	165	154897	86.01	ng		97
68)	2,3,4,6-Tetrachlorophenol	9.54	232	130237	84.59	ng		99
69)	Diethyl phthalate	9.80	149	486498	82.12	ng		99
70)	Fluorene	9.84	166	517826	81.18	ng		99
71)	4-Chlorophenyl phenyl ethe	9.87	204	251344	81.65	ng		98
74)	4,6-Dinitro-2-methylphenol	10.07	198	105886	79.91	ng		95
75)	Azobenzene	10.17	77	500553	81.60	ng		99
76)	1,2-Diphenylhydrazine	10.17	182	146595	81.35	ng		96
77)	Diphenylamine	10.12	170	99185	80.16	ng		98
78)	N-Nitrosodiphenylamine	10.12	168	497534	80.97	ng		100
79)	4-Bromophenyl phenyl ether	10.81	248	153910	81.59	ng		99
80)	Phenacetin	10.84	108	245084	86.60	ng		99
81)	Hexachlorobenzene	11.08	284	155783	80.46	ng		100
82)	Atrazine	11.29	200	155733	82.02	µg		99
83)	4-Aminobiphenyl	11.35	169	519590	82.17	ng		100
84)	Pentachlorophenol	11.47	266	97058	78.62	ng		99
85)	Pentachloronitrobenzene	11.62	237	66640	81.32	ng		99
86)	Pronamide	11.60	173	225879	83.00	ng		99
87)	Phenanthrene	11.72	178	778237	80.64	ng		100
88)	Anthracene	11.81	178	774866	80.93	ng		99
89)	Carbazole	12.18	167	729511	82.01	ng		99
90)	Di-n-butyl phthalate	13.11	149	865175	83.04	ng		100
91)	Fluoranthene	14.20	202	910158	82.57	ng		100
93)	Pyrene	14.66	202	926105	80.43	ng		99
95)	Benzidine	14.56	184	331611m	75.04	ng		
96)	Dimethylaminoazobenzene	15.44	225	206386	83.30	ng		99
97)	Butyl benzyl phthalate	16.26	149	405169	81.75	ng		100
98)	Benz(a)anthracene	17.25	228	928717	81.40	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:48:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

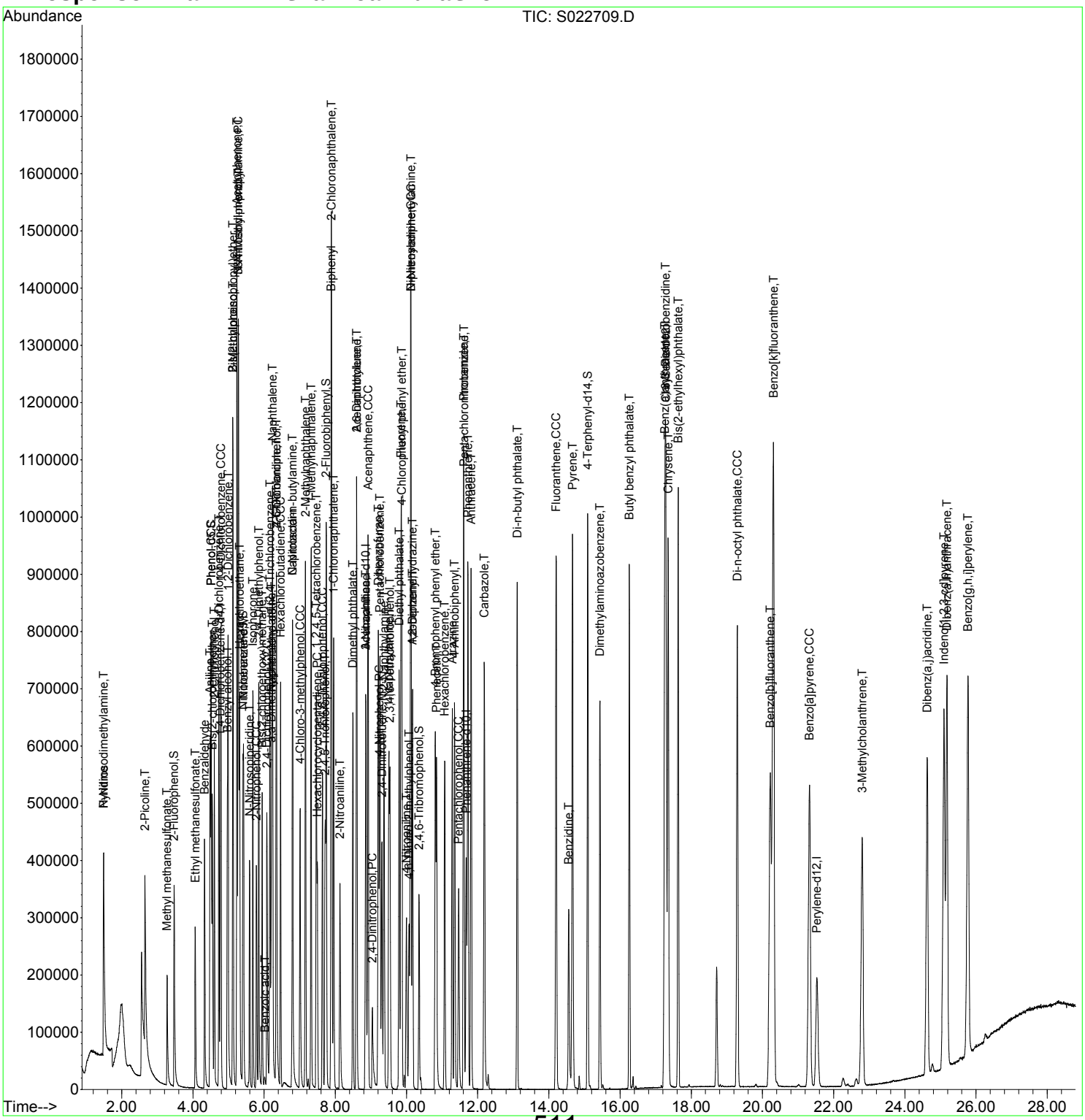
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	337687	82.25	ng		100
100)	Chrysene	17.35	228	874446	80.00	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.63	149	571053	81.70	ng		100
102)	Di-n-octyl phthalate	19.29	149	1033948	82.55	ng		100
103)	3-Methylcholanthrene	22.80	268	433966	81.31	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.10	276	945094	81.02	ng	#	99
106)	Benzo[b]fluoranthene	20.22	252	959185	83.87	ng		100
107)	Benzo[k]fluoranthene	20.31	252	960489m	83.04	ng		
108)	Benzo[a]pyrene	21.32	252	888151	82.18	ng		100
109)	Dibenz(a,j)acridine	24.63	279	790695	81.60	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	896396	81.19	ng		100
111)	Benzo[g,h,i]perylene	25.77	276	957683	81.10	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D Vial: 6
Acq On : 27 Feb 2004 3:44 pm Operator: YH
Sample : BNA80 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 Quant Results File: B022704.RES

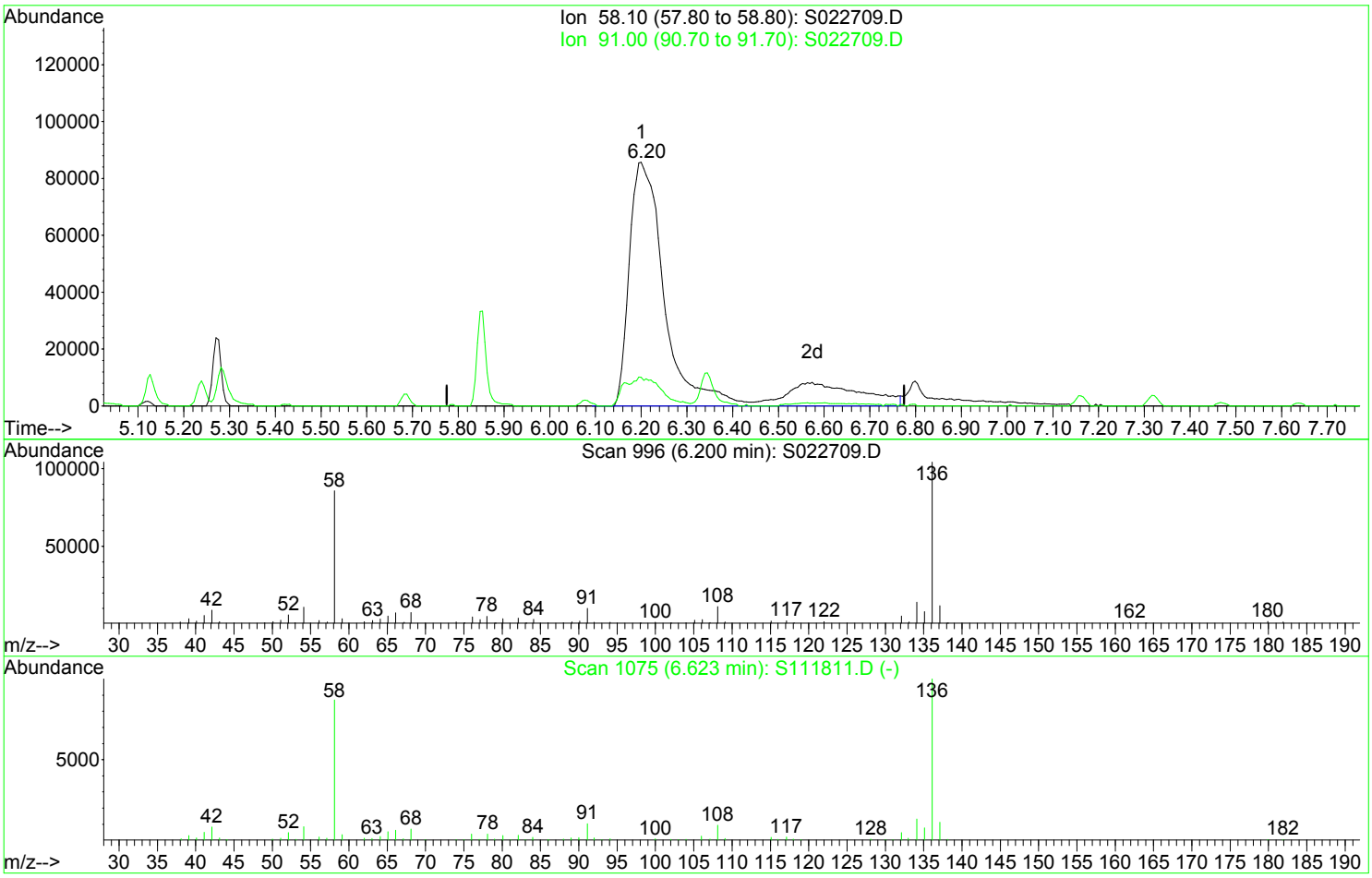
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D **Vial: 6**
Acq On : 27 Feb 2004 3:44 pm **Operator: YH**
Sample : BNA80 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(39) a,a-Dimethylphenethylamine (T)

6.20min 83.47ng m

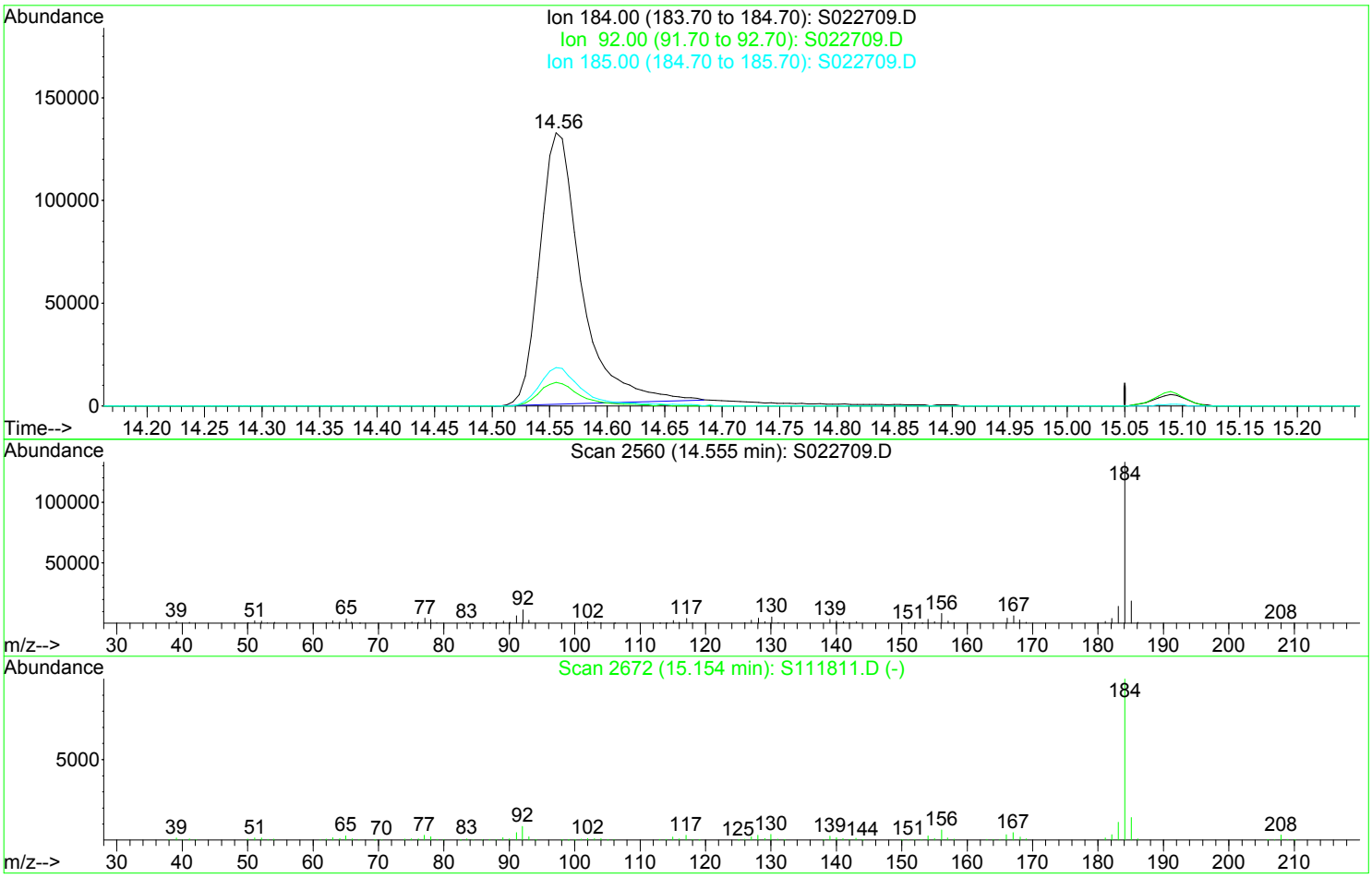
response 544446

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	2.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D **Vial: 6**
Acq On : 27 Feb 2004 3:44 pm **Operator: YH**
Sample : BNA80 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(95) Benzidine (T)

14.56min 75.04ng m

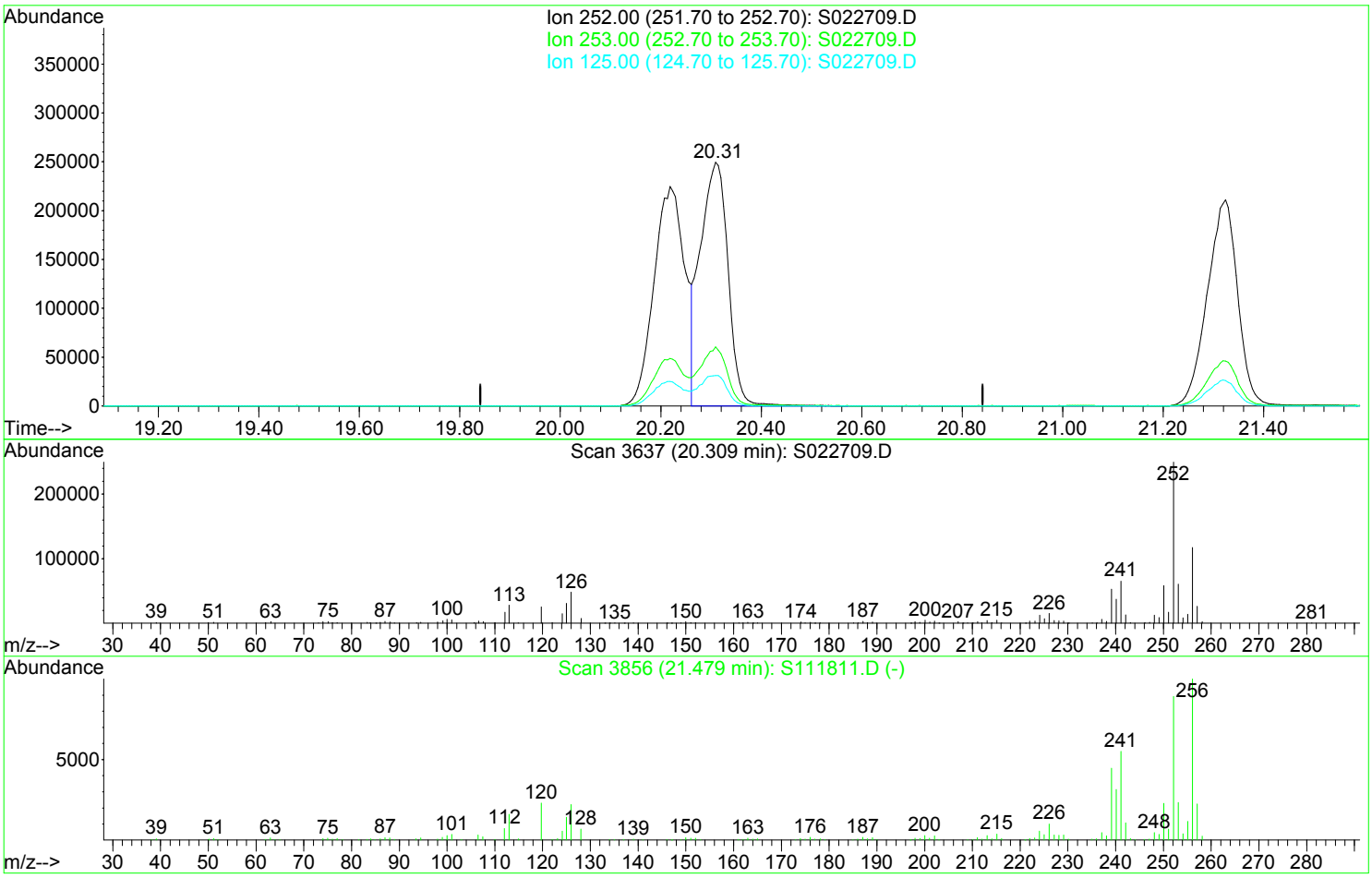
response 331611

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	8.69
185.00	13.80	14.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022709.D **Vial: 6**
Acq On : 27 Feb 2004 3:44 pm **Operator: YH**
Sample : BNA80 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022709.D

(107) Benzo[k]fluoranthene (T)

20.31min 83.04ng m

response 960489

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.27
125.00	11.40	10.97
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	77964	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	291799	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	179545	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	327599	40.00	ng	0.00
92) Chrysene-d12	17.29	240	341302	40.00	ng	0.00
105) Perylene-d12	21.51	264	288313	40.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	279069	128.13	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 128.13%#			
9) Phenol-d5	4.51	99	378196	124.91	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 124.91%#			
24) Nitrobenzene-d5	5.40	82	362402	123.53	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 247.06%#			
50) 2-Fluorobiphenyl	7.74	172	738958	118.10	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 236.20%#			
72) 2,4,6-Tribromophenol	10.35	330	114671	126.71	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 126.71%#			
94) 4-Terphenyl-d14	15.08	244	987793	120.20	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 240.40%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	274602	124.90	ng	99
3) 2-Picoline	2.65	93	293840	125.40	ng	99
4) Methyl methanesulfonate	3.28	80	177787	125.78	ng	99
6) Ethyl methanesulfonate	4.06	79	234919	124.72	ng	100
7) Benzaldehyde	4.33	105	146880m	96.49	µg	
8) Aniline	4.48	66	191662	131.21	ng	98
10) Phenol	4.52	94	402063	125.27	ng	90
11) Bis(2-chloroethyl)ether	4.54	63	258036	124.89	ng	97
12) 2-Chlorophenol	4.60	128	322215	122.45	ng	99
13) 1,3-Dichlorobenzene	4.73	146	352803	119.81	ng	99
14) 1,4-Dichlorobenzene	4.78	146	362062	118.32	ng	100
15) 1,2-Dichlorobenzene	4.99	146	340802	119.32	ng	99
16) Benzyl alcohol	4.97	108	212919	127.15	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	506967	118.40	ng	100
18) 2-Methylphenol	5.13	107	248375	121.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	3&4-Methylphenol	5.28	107	596401	240.53	ng	98
20)	N-Nitrosodi-n-propylamine	5.28	70	246799	120.44	ng	99
21)	N-Nitrosodimethylamine	1.49	42	129476	126.86	ng	99
22)	Hexachloroethane	5.31	117	136233	118.49	ng	99
25)	Acetophenone	5.24	105	887932	241.38	ng	100
26)	Nitrobenzene	5.43	77	353666	118.03	ng	100
27)	N-Nitrosopiperidine	5.60	114	159199	123.16	ng	98
28)	Isophorone	5.69	82	637660	121.09	ng	100
29)	2-Nitrophenol	5.78	139	182330	126.71	ng	100
30)	2,4-Dimethylphenol	5.85	122	286019	122.19	ng	100
31)	Bis(2-chloroethoxy)methane	5.94	93	357814	121.46	ng	100
32)	2,4-Dichlorophenol	6.08	162	276899	123.65	ng	100
33)	1,2,4-Trichlorobenzene	6.16	180	303272	120.16	ng	100
34)	Naphthalene	6.23	128	964887	118.95	ng	100
35)	Benzoic acid	6.03	122	76083	116.29	ng	97
36)	2,6-Dichlorophenol	6.35	162	266668	119.84	ng	99
37)	4-Chloroaniline	6.34	127	392829	122.13	ng	97
38)	Hexachlorobutadiene	6.46	225	180024	120.92	ng	100
39)	a,a-Dimethylphenethylamine	6.24	58	875180m	134.27	ng	
40)	Caprolactam	6.80	55	183876	128.98	µg	98
41)	4-Chloro-3-methylphenol	7.01	107	285577	124.96	ng	99
42)	N-Nitrosodi-n-butylamine	6.80	84	303378	122.59	ng	98
43)	2-Methylnaphthalene	7.16	142	645237	119.94	ng	99
44)	1-Methylnaphthalene	7.32	142	642549	119.17	ng	100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	315746	117.97	ng	100
47)	Hexachlorocyclopentadiene	7.49	237	146014	120.27	ng	99
48)	2,4,6-Trichlorophenol	7.64	196	210358	124.63	ng	99
49)	2,4,5-Trichlorophenol	7.71	196	229975	122.91	ng	99
51)	Biphenyl	7.88	154	886499	117.38	µg	99
52)	2-Chloronaphthalene	7.90	162	612724	117.57	ng	100
53)	1-Chloronaphthalene	7.95	162	597624	117.14	ng	99
54)	2-Nitroaniline	8.13	65	196436	128.01	ng	99
55)	3-Nitroaniline	8.85	138	187177	130.23	ng	100
56)	Pentachlorobenzene	9.25	250	285972	119.31	ng	100
57)	4-Nitroaniline	10.00	138	190534	122.14	ng	99
58)	2-Naphthylamine	9.37	143	586851	116.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.51	143	587418	113.42	ng	98
60)	Dimethyl phthalate	8.50	163	709083	119.91	ng	100
61)	Acenaphthylene	8.59	152	883412	120.62	ng	100
62)	2,6-Dinitrotoluene	8.60	165	164994	125.19	ng	98
63)	Acenaphthene	8.92	154	619377	119.04	ng	100
64)	2,4-Dinitrophenol	9.04	184	108570	118.97	ng	99
65)	Dibenzofuran	9.21	168	900731	119.52	ng	99
66)	4-Nitrophenol	9.23	65	125387	126.34	ng	95
67)	2,4-Dinitrotoluene	9.31	165	231771	127.92	ng	100
68)	2,3,4,6-Tetrachlorophenol	9.53	232	196470	126.84	ng	99
69)	Diethyl phthalate	9.80	149	722375	121.21	ng	100
70)	Fluorene	9.84	166	767740	119.63	ng	99
71)	4-Chlorophenyl phenyl ethe	9.87	204	368146	118.88	ng	99
74)	4,6-Dinitro-2-methylphenol	10.08	198	166605	120.78	ng	97
75)	Azobenzene	10.17	77	738778	119.52	ng	100
76)	1,2-Diphenylhydrazine	10.17	182	219307	120.78	ng	98
77)	Diphenylamine	10.12	170	148083	118.77	ng	99
78)	N-Nitrosodiphenylamine	10.12	168	737410	119.10	ng	99
79)	4-Bromophenyl phenyl ether	10.81	248	231141	121.60	ng	100
80)	Phenacetin	10.85	108	371729	130.36	ng	100
81)	Hexachlorobenzene	11.07	284	231225	118.53	ng	99
82)	Atrazine	11.29	200	231898	121.21	µg	100
83)	4-Aminobiphenyl	11.35	169	747105	117.26	ng	100
84)	Pentachlorophenol	11.46	266	155060	119.81	ng	100
85)	Pentachloronitrobenzene	11.62	237	100833	122.12	ng	100
86)	Pronamide	11.61	173	336527	122.72	ng	100
87)	Phenanthrene	11.72	178	1148212	118.07	ng	100
88)	Anthracene	11.81	178	1153757	119.60	ng	99
89)	Carbazole	12.18	167	1094707	122.13	ng	100
90)	Di-n-butyl phthalate	13.11	149	1273918	121.34	ng	100
91)	Fluoranthene	14.20	202	1345816	121.18	ng	100
93)	Pyrene	14.66	202	1362065	119.64	ng	100
95)	Benzidine	14.55	184	466676m	106.81	ng	
96)	Dimethylaminoazobenzene	15.43	225	304975	124.49	ng	99
97)	Butyl benzyl phthalate	16.25	149	602703	123.00	ng	100
98)	Benz(a)anthracene	17.25	228	1368296	121.30	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:50:07 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

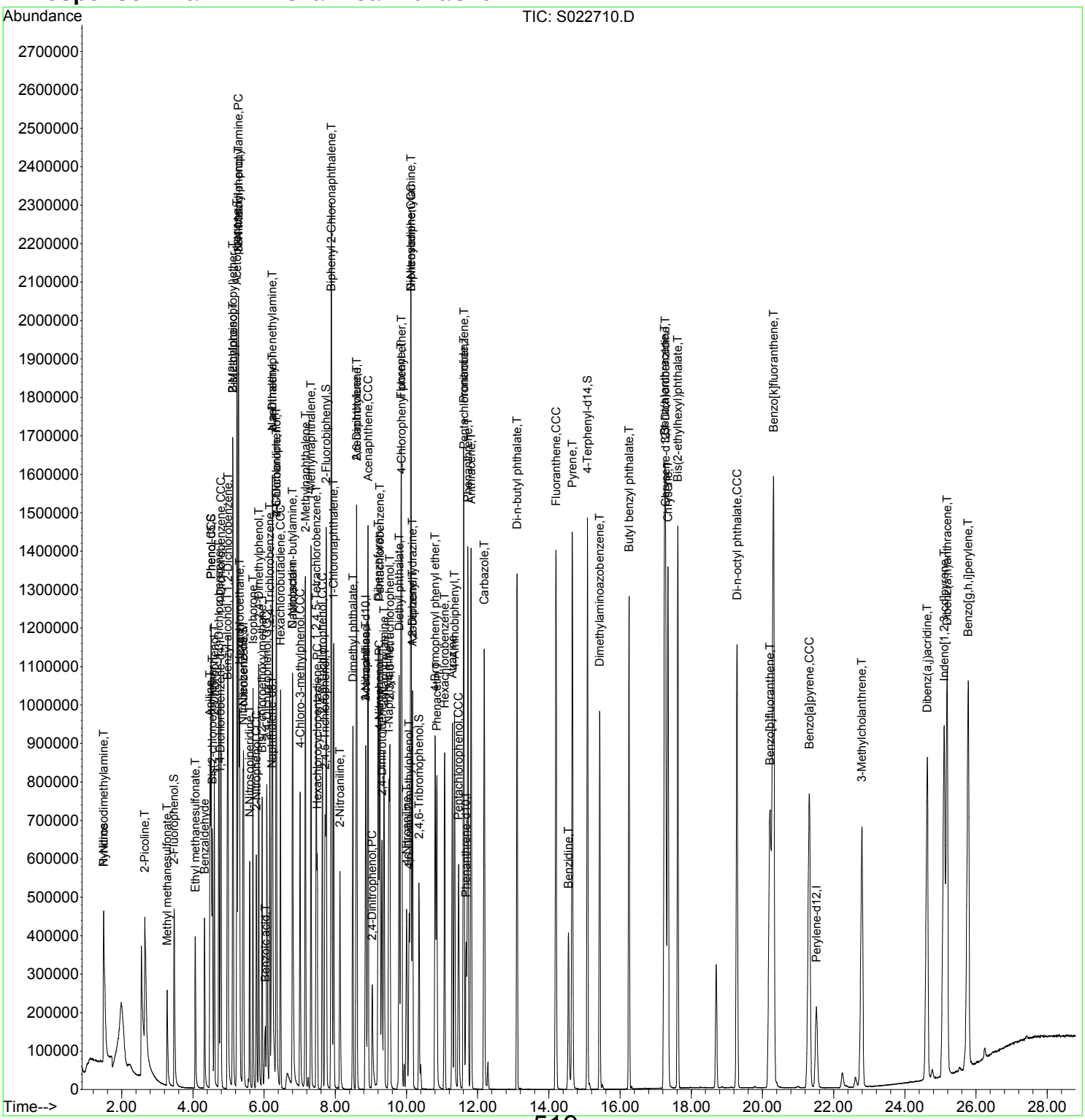
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	483990	119.23	ng		100
100)	Chrysene	17.34	228	1278899	118.34	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.62	149	843663	122.08	ng		100
102)	Di-n-octyl phthalate	19.29	149	1525475	123.19	ng		100
103)	3-Methylcholanthrene	22.79	268	668327	126.65	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.11	276	1512747	131.17	ng	#	99
106)	Benzo[b]fluoranthene	20.21	252	1428669	121.08	ng		98
107)	Benzo[k]fluoranthene	20.31	252	1430682m	119.88	ng		
108)	Benzo[a]pyrene	21.32	252	1357230	121.70	ng		100
109)	Dibenz(a,j)acridine	24.63	279	1280754	128.11	ng		100
110)	Dibenz(a,h)anthracene	25.19	278	1433416	125.83	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	1553574	127.50	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 Quant Results File: B022704.RES

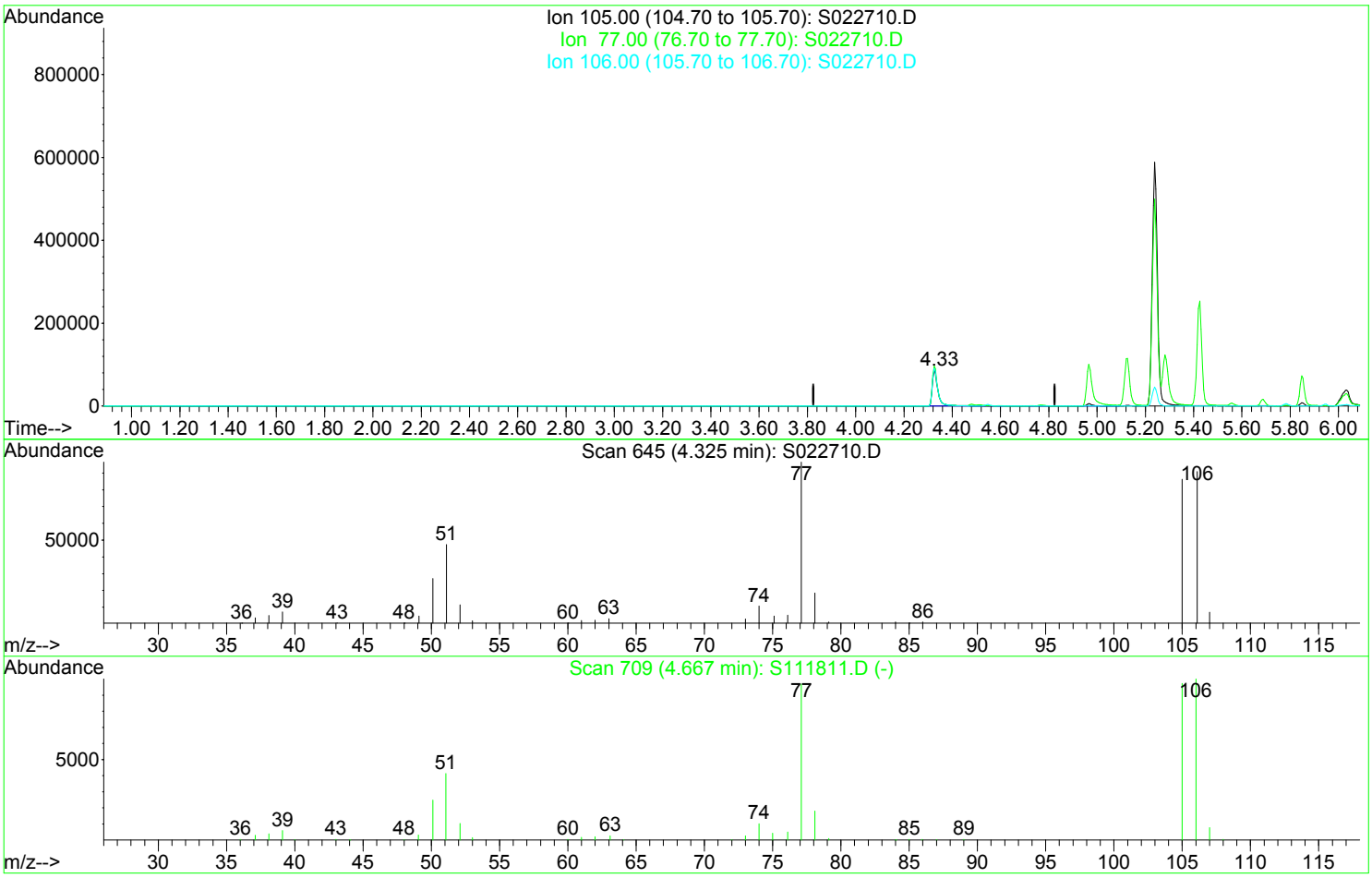
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(7) Benzaldehyde

4.33min 96.49µg m

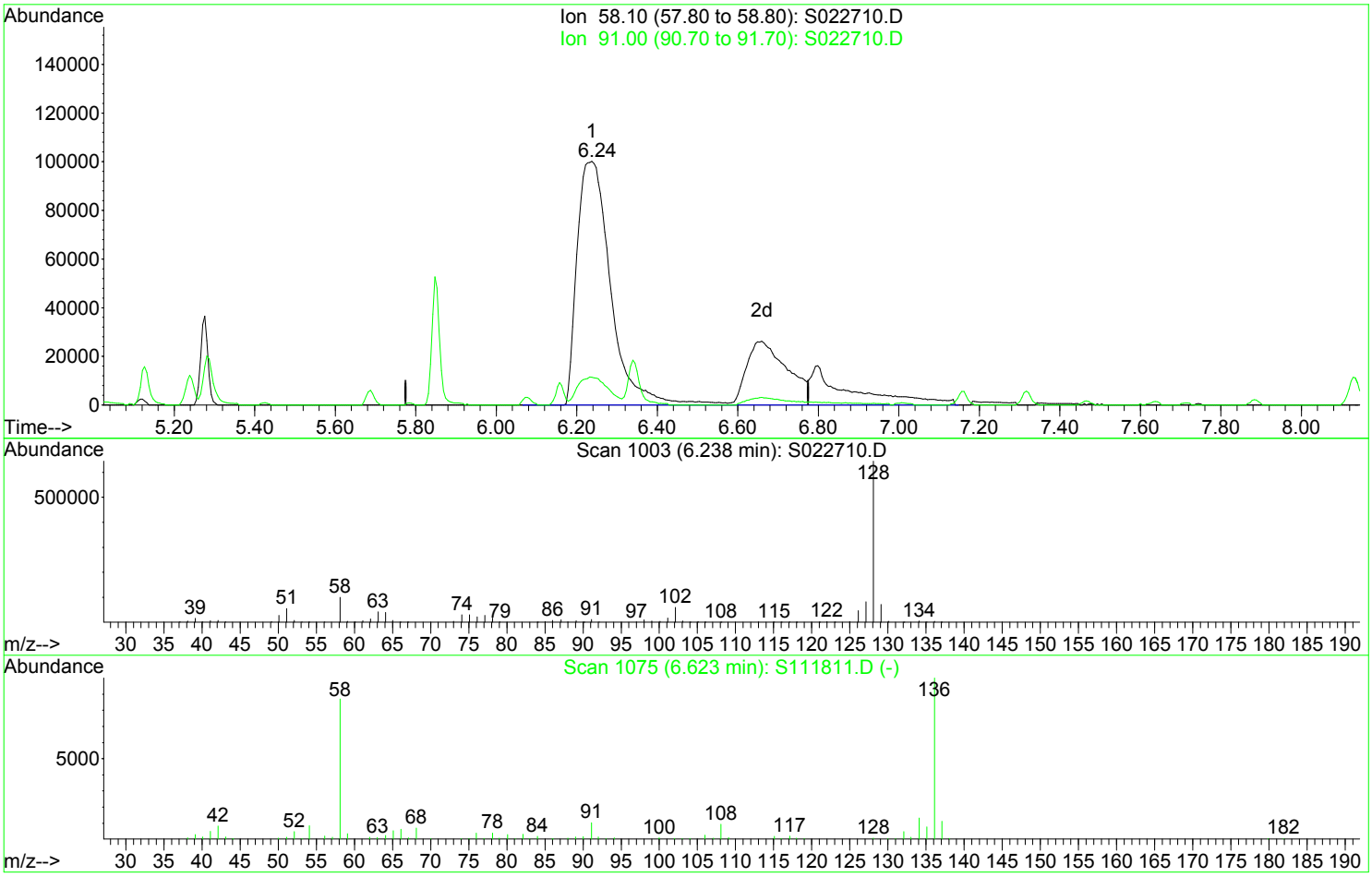
response 146880

Ion	Exp%	Act%
105.00	100	100
77.00	108.70	103.27
106.00	102.80	97.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(39) a,a-Dimethylphenethylamine (T)

6.24min 134.27ng m

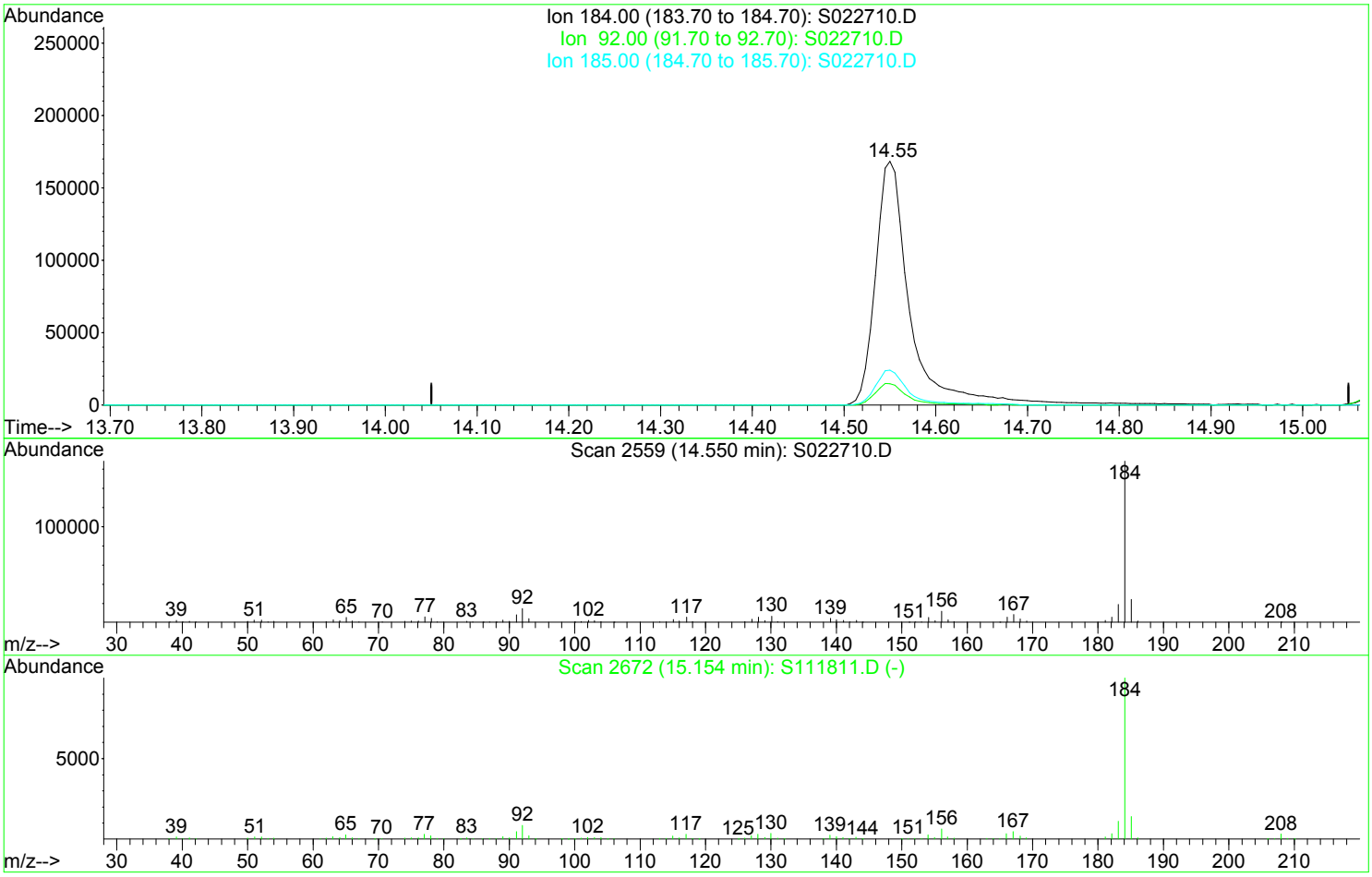
response 875180

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	6.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D **Vial: 7**
Acq On : 27 Feb 2004 4:22 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(95) Benzidine (T)

14.55min 106.81ng m

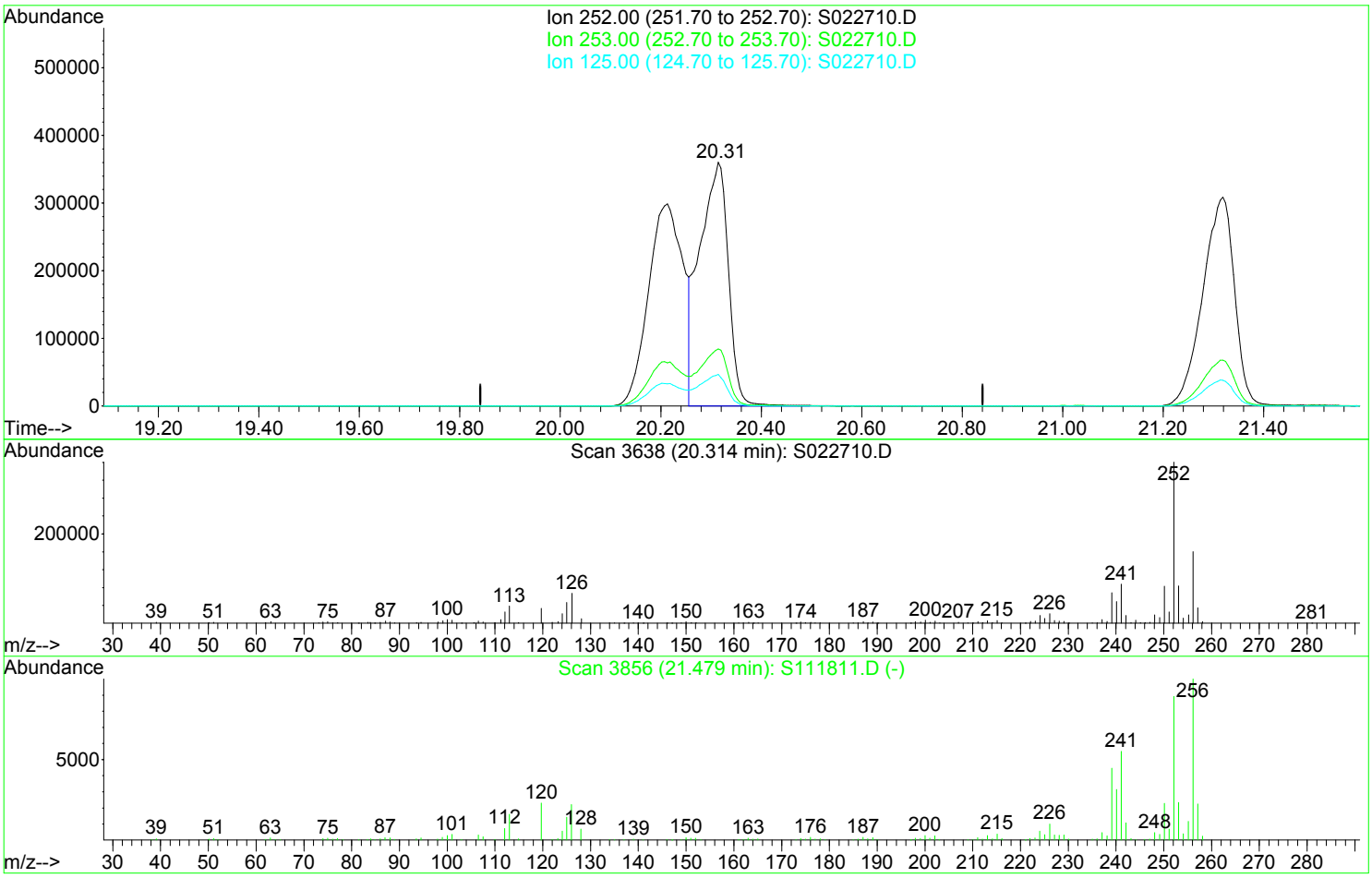
response 466676

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	7.84
185.00	13.80	13.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022710.D Vial: 7
Acq On : 27 Feb 2004 4:22 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:20 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022710.D

(107) Benzo[k]fluoranthene (T)

20.31min 119.88ng m

response 1430682

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.30
125.00	11.40	11.58
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	79482	40.00	ng	0.00
23) Naphthalene-d8	6.21	136	300414	40.00	ng	0.00
45) Acenaphthene-d10	8.86	164	184075	40.00	ng	0.00
73) Phenanthrene-d10	11.68	188	331661	40.00	ng	0.00
92) Chrysene-d12	17.29	240	345523	40.00	ng	0.00
105) Perylene-d12	21.53	264	296025	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.47	112	379476	170.91	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 170.91%#			
9) Phenol-d5	4.51	99	505356	163.71	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 163.71%#			
24) Nitrobenzene-d5	5.41	82	488389	161.70	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 323.40%#			
50) 2-Fluorobiphenyl	7.75	172	989601	154.26	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 308.52%#			
72) 2,4,6-Tribromophenol	10.36	330	154106	166.10	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 166.10%#			
94) 4-Terphenyl-d14	15.09	244	1306474	157.03	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 314.06%#			
Target Compounds						Qvalue
2) Pyridine	1.49	79	377846	168.57	ng	100
3) 2-Picoline	2.65	93	403045	168.72	ng	100
4) Methyl methanesulfonate	3.28	80	239711	166.35	ng	100
6) Ethyl methanesulfonate	4.07	79	317684	165.44	ng	100
7) Benzaldehyde	4.33	105	119940	77.29	µg	100
8) Aniline	4.48	66	253946	170.53	ng	100
10) Phenol	4.52	94	538055	164.45	ng	100
11) Bis(2-chloroethyl)ether	4.55	63	342513	162.61	ng	100
12) 2-Chlorophenol	4.60	128	433382	161.55	ng	100
13) 1,3-Dichlorobenzene	4.73	146	471335	157.00	ng	100
14) 1,4-Dichlorobenzene	4.78	146	488966	156.74	ng	100
15) 1,2-Dichlorobenzene	4.99	146	452197	155.29	ng	100
16) Benzyl alcohol	4.97	108	287914	168.65	ng	100
17) Bis(2-chloroisopropyl)ethe	5.12	45	679909	155.76	ng	100
18) 2-Methylphenol	5.13	107	330701	158.42	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
19)	3&4-Methylphenol	5.29	107	786639	311.20	ng	100
20)	N-Nitrosodi-n-propylamine	5.28	70	330476	158.20	ng	100
21)	N-Nitrosodimethylamine	1.49	42	177402	170.50	ng	100
22)	Hexachloroethane	5.31	117	183628	156.66	ng	100
25)	Acetophenone	5.24	105	1180767	311.78	ng	100
26)	Nitrobenzene	5.43	77	483907	156.86	ng	100
27)	N-Nitrosopiperidine	5.60	114	217027	163.08	ng	100
28)	Isophorone	5.69	82	859283	158.50	ng	100
29)	2-Nitrophenol	5.78	139	245640	165.81	ng	100
30)	2,4-Dimethylphenol	5.85	122	385929	160.14	ng	100
31)	Bis(2-chloroethoxy)methane	5.95	93	486829	160.51	ng	100
32)	2,4-Dichlorophenol	6.08	162	373181	161.86	ng	100
33)	1,2,4-Trichlorobenzene	6.16	180	407064	156.65	ng	100
34)	Naphthalene	6.24	128	1285923	153.98	ng	100
35)	Benzoic acid	6.06	122	137356	158.76	ng	100
36)	2,6-Dichlorophenol	6.35	162	361016	157.58	ng	100
37)	4-Chloroaniline	6.34	127	511838	154.57	ng	100
38)	Hexachlorobutadiene	6.46	225	240666	157.02	ng	100
39)	a,a-Dimethylphenethylamine	6.28	58	1151897m	171.65	ng	
40)	Caprolactam	6.84	55	247785	168.83	µg	100
41)	4-Chloro-3-methylphenol	7.01	107	385338	163.78	ng	100
42)	N-Nitrosodi-n-butylamine	6.80	84	408671	160.40	ng	100
43)	2-Methylnaphthalene	7.16	142	856844	154.71	ng	100
44)	1-Methylnaphthalene	7.32	142	857912	154.55	ng	100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	426396	155.39	ng	100
47)	Hexachlorocyclopentadiene	7.49	237	201948	160.07	ng	100
48)	2,4,6-Trichlorophenol	7.64	196	279954	161.78	ng	100
49)	2,4,5-Trichlorophenol	7.72	196	308054	160.59	ng	100
51)	Biphenyl	7.89	154	1177224	152.04	µg	100
52)	2-Chloronaphthalene	7.90	162	809471	151.50	ng	100
53)	1-Chloronaphthalene	7.96	162	796661	152.31	ng	100
54)	2-Nitroaniline	8.13	65	267803	170.23	ng	100
55)	3-Nitroaniline	8.86	138	251104	170.40	ng	100
56)	Pentachlorobenzene	9.26	250	380532	154.85	ng	100
57)	4-Nitroaniline	10.01	138	253612	157.67	ng	100
58)	2-Naphthylamine	9.37	143	748834	144.75	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
59)	1-Naphthylamine	9.51	143	751457	141.52	ng	100
60)	Dimethyl phthalate	8.50	163	959294	158.23	ng	100
61)	Acenaphthylene	8.59	152	1175754	156.59	ng	100
62)	2,6-Dinitrotoluene	8.61	165	218960	162.04	ng	100
63)	Acenaphthene	8.92	154	825805	154.81	ng	100
64)	2,4-Dinitrophenol	9.04	184	158208	161.59	ng	100
65)	Dibenzofuran	9.21	168	1203925	155.82	ng	100
66)	4-Nitrophenol	9.23	65	175125	172.12	ng	100
67)	2,4-Dinitrotoluene	9.31	165	310981	167.41	ng	100
68)	2,3,4,6-Tetrachlorophenol	9.54	232	264881	166.80	ng	100
69)	Diethyl phthalate	9.80	149	960570	157.21	ng	100
70)	Fluorene	9.85	166	1012576	153.90	ng	100
71)	4-Chlorophenyl phenyl ethe	9.87	204	485485	152.91	ng	100
74)	4,6-Dinitro-2-methylphenol	10.08	198	226017	159.41	ng	100
75)	Azobenzene	10.17	77	971958	155.32	ng	100
76)	1,2-Diphenylhydrazine	10.17	182	291990	158.84	ng	100
77)	Diphenylamine	10.13	170	194142	153.80	ng	100
78)	N-Nitrosodiphenylamine	10.13	168	966770	154.23	ng	100
79)	4-Bromophenyl phenyl ether	10.81	248	309576	160.87	ng	100
80)	Phenacetin	10.86	108	502501	174.06	ng	100
81)	Hexachlorobenzene	11.07	284	310799	157.36	ng	100
82)	Atrazine	11.30	200	301920	155.88	µg	100
83)	4-Aminobiphenyl	11.36	169	942005	146.03	ng	100
84)	Pentachlorophenol	11.47	266	214945	160.99	ng	100
85)	Pentachloronitrobenzene	11.62	237	134109	160.43	ng	100
86)	Pronamide	11.61	173	447988	161.36	ng	100
87)	Phenanthrene	11.73	178	1530694	155.47	ng	100
88)	Anthracene	11.82	178	1524127	156.05	ng	100
89)	Carbazole	12.19	167	1459236	160.81	ng	100
90)	Di-n-butyl phthalate	13.11	149	1687329	158.75	ng	100
91)	Fluoranthene	14.20	202	1786988	158.93	ng	100
93)	Pyrene	14.66	202	1807415	156.82	ng	100
95)	Benzidine	14.55	184	507939m	114.84	ng	
96)	Dimethylaminoazobenzene	15.43	225	403166	162.56	ng	100
97)	Butyl benzyl phthalate	16.25	149	802811	161.84	ng	100
98)	Benz(a)anthracene	17.25	228	1811938	158.67	ng	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 08:51:32 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Fri Feb 27 17:32:10 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

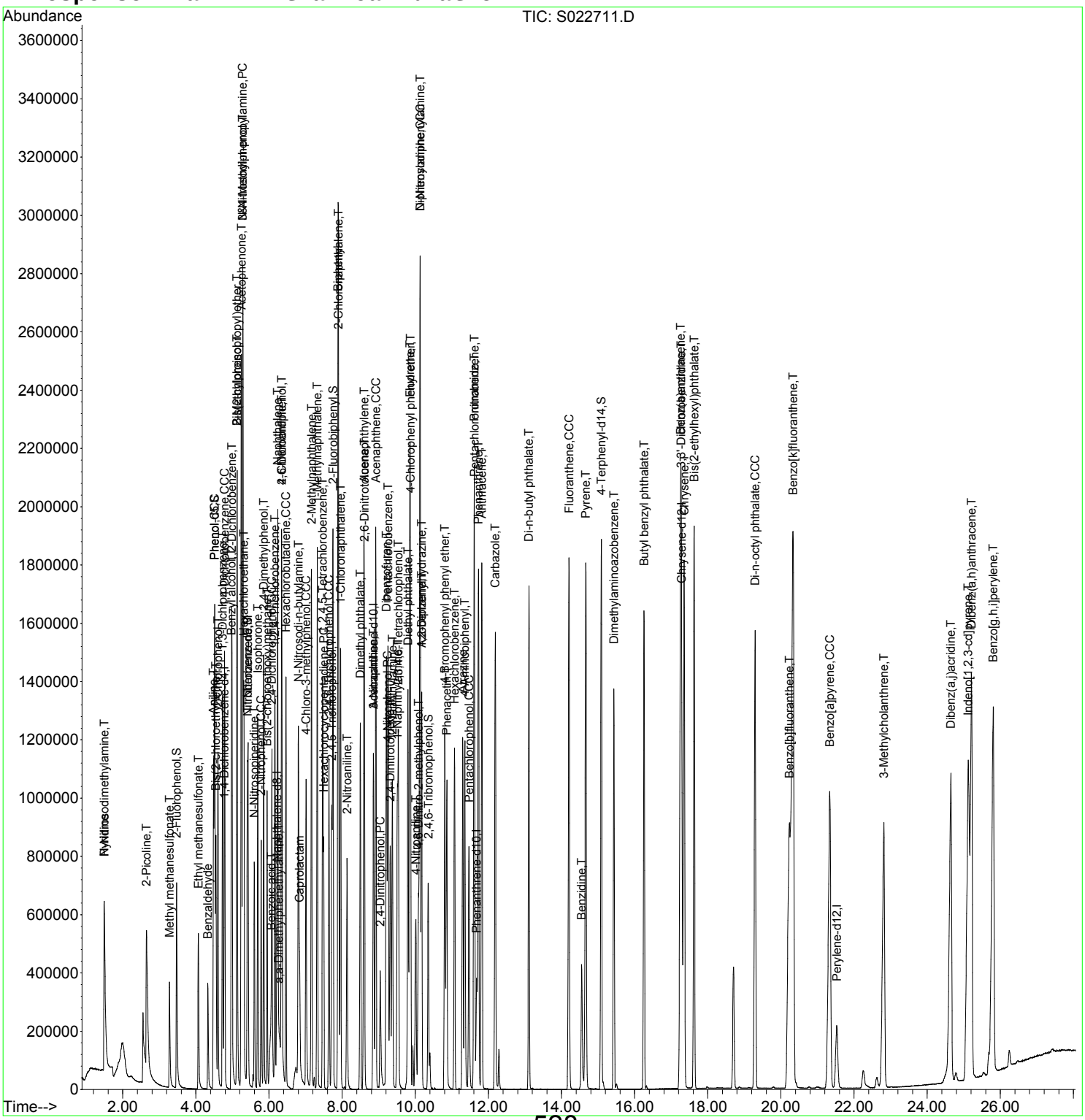
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.28	252	616182	149.94	ng		100
100)	Chrysene	17.35	228	1690240	154.49	ng		100
101)	Bis(2-ethylhexyl)phthalate	17.63	149	1117204	159.68	ng		100
102)	Di-n-octyl phthalate	19.29	149	2026215	161.63	ng		100
103)	3-Methylcholanthrene	22.81	268	910484	170.43	ng		100
104)	Indeno[1,2,3-cd]pyrene	25.13	276	2100990	179.95	ng	#	100
106)	Benzo[b]fluoranthene	20.23	252	1985521	163.88	ng		100
107)	Benzo[k]fluoranthene	20.34	252	1915755m	156.34	ng		
108)	Benzo[a]pyrene	21.33	252	1827606	159.61	ng		100
109)	Dibenz(a,j)acridine	24.65	279	1754578	170.93	ng		100
110)	Dibenz(a,h)anthracene	25.21	278	1955766	167.21	ng		100
111)	Benzo[g,h,i]perylene	25.81	276	2144221	171.39	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D Vial: 8
Acq On : 27 Feb 2004 4:59 pm Operator: YH
Sample : BNA160 2238 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 Quant Results File: B022704.RES

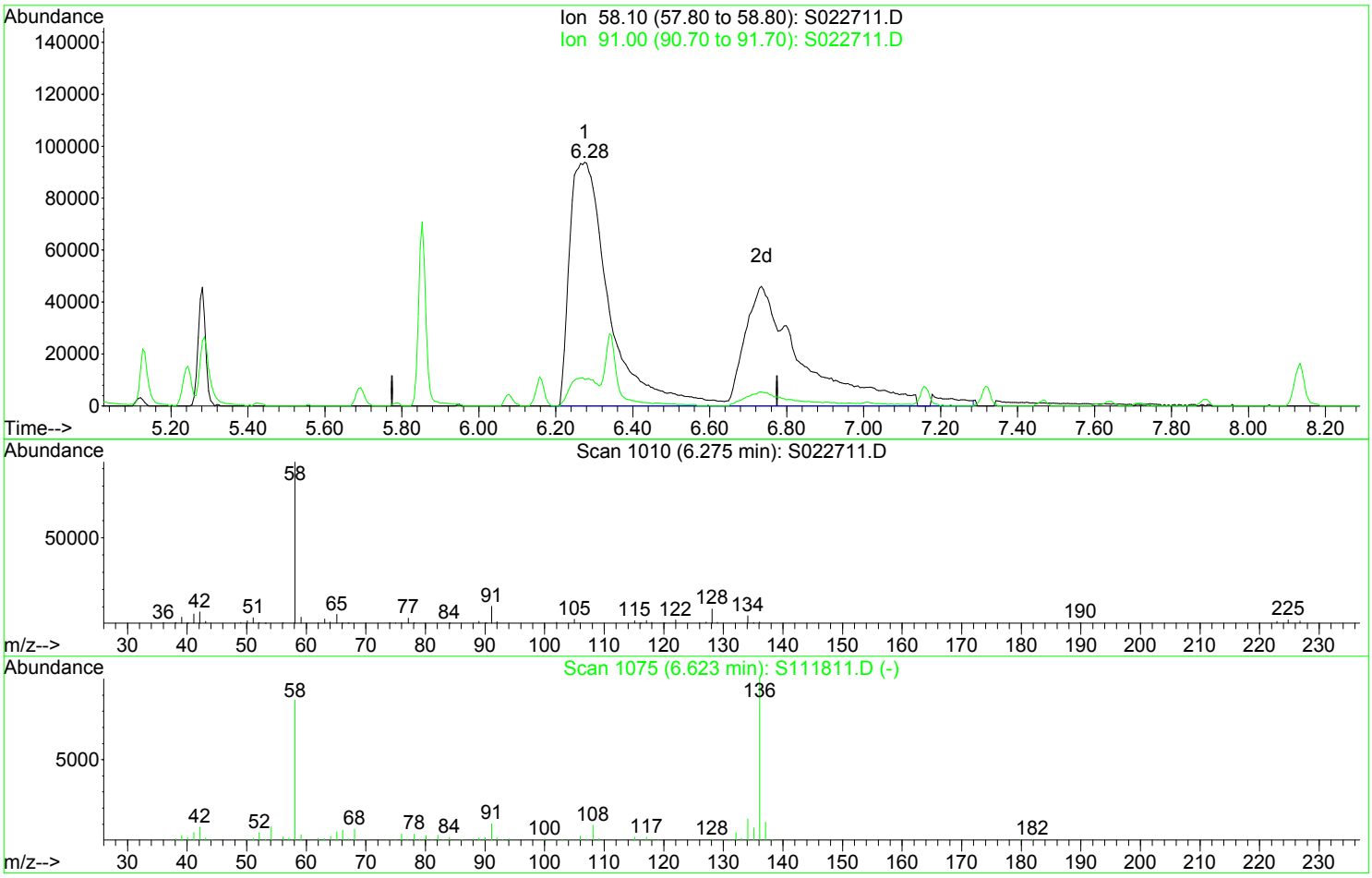
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(39) a,a-Dimethylphenethylamine (T)

6.28min 171.65ng m

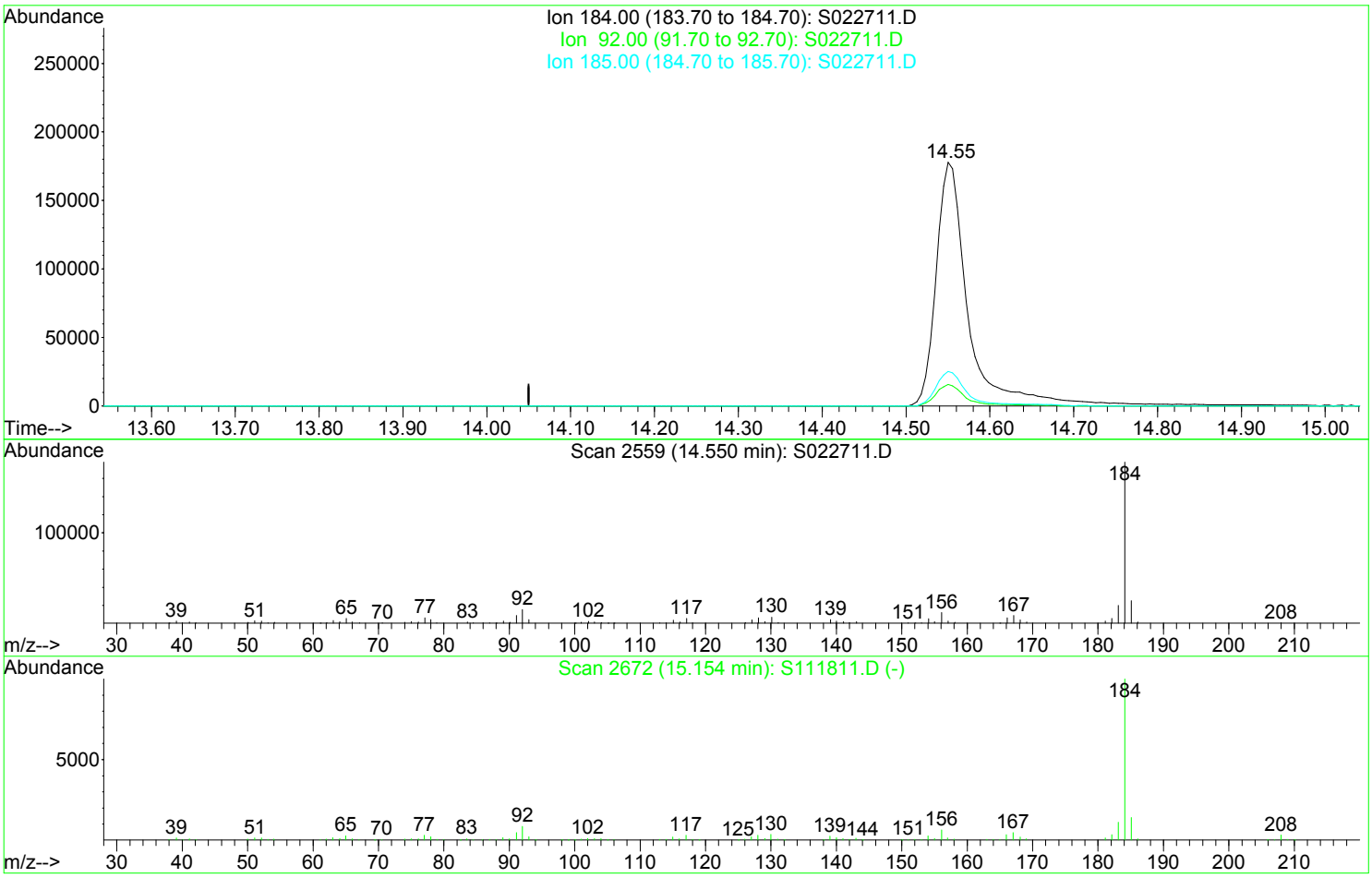
response 1151897

Ion	Exp%	Act%
58.10	100	100
91.00	4.40	4.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(95) Benzidine (T)

14.55min 114.84ng m

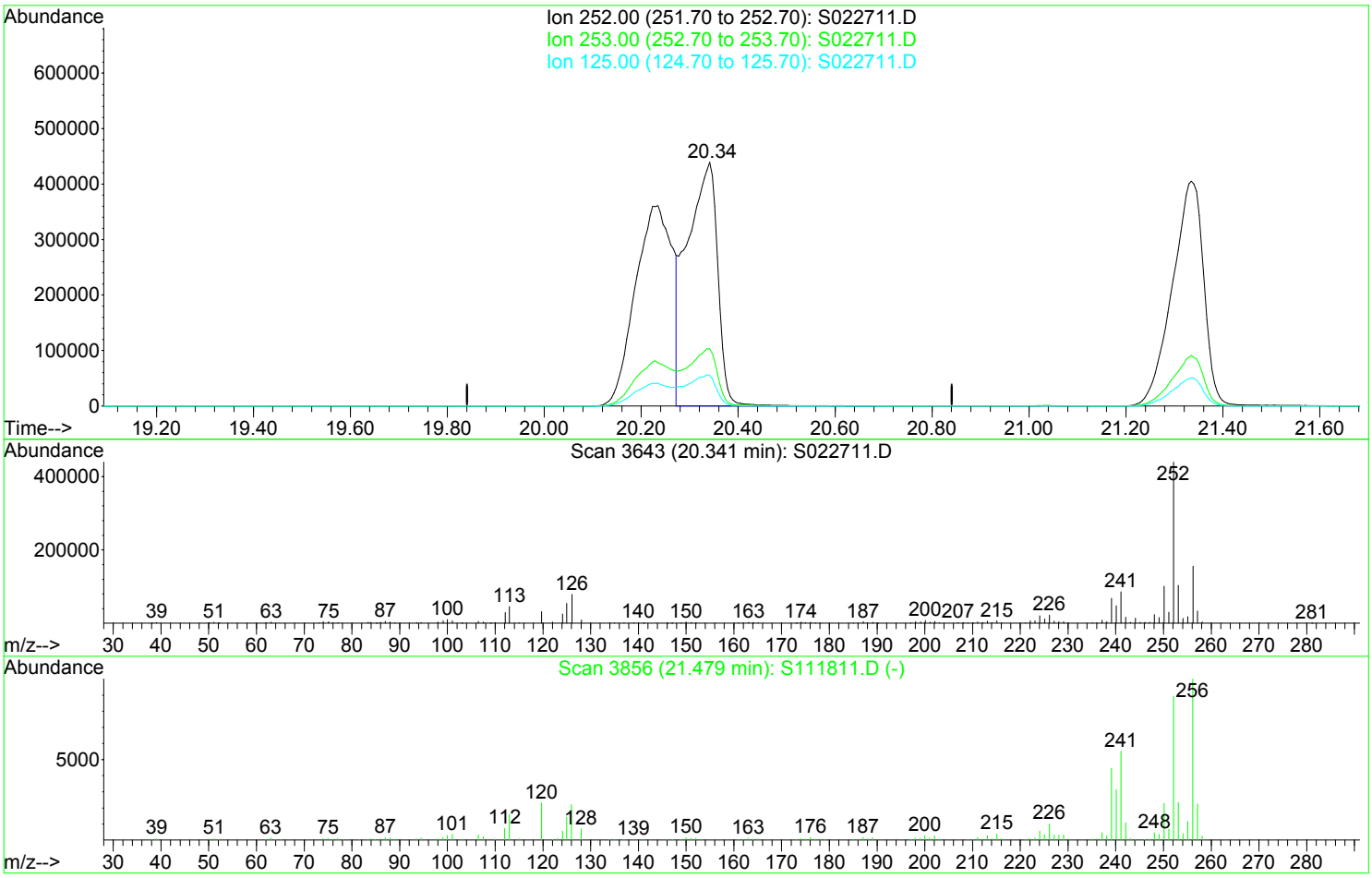
response 507939

Ion	Exp%	Act%
184.00	100	100
92.00	8.40	7.86
185.00	13.80	12.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022711.D **Vial: 8**
Acq On : 27 Feb 2004 4:59 pm **Operator: YH**
Sample : BNA160 2238 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:32:54 2004
Response via : Multiple Level Calibration



TIC: S022711.D

(107) Benzo[k]fluoranthene (T)

20.34min 156.34ng m

response 1915755

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.23
125.00	11.40	11.42
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	80578	40.00	ng		0.00
23) Naphthalene-d8	6.21	136	302914	40.00	ng		0.00
45) Acenaphthene-d10	8.86	164	185687	40.00	ng		0.00
73) Phenanthrene-d10	11.67	188	339892	40.00	ng		0.01
92) Chrysene-d12	17.29	240	353371	40.00	ng		0.02
105) Perylene-d12	21.51	264	290285	40.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	3.47	112	303738	134.94	ng		-0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 134.94%#				
9) Phenol-d5	4.50	99	410352	131.13	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 131.13%#				
24) Nitrobenzene-d5	5.40	82	382644	125.65	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 251.30%#				
50) 2-Fluorobiphenyl	7.74	172	776775	120.03	ng		0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 240.06%#				
72) 2,4,6-Tribromophenol	10.35	330	122760	131.17	ng		0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 131.17%#				
94) 4-Terphenyl-d14	15.08	244	1038896	122.10	ng		0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 244.20%#				
Target Compounds							Qvalue
2) Pyridine	1.49	79	308702	135.85	ng		96
3) 2-Picoline	2.65	93	302155	124.77	ng		97
4) Methyl methanesulfonate	3.27	80	159297	109.04	ng		99
6) Ethyl methanesulfonate	4.06	79	259675	133.39	ng		97
7) Benzaldehyde	4.33	105	99934	58.04	ng		99
8) Aniline	4.47	66	210579	139.49	ng	#	86
10) Phenol	4.51	94	436402	131.56	ng		90
11) Bis(2-chloroethyl)ether	4.54	63	270869	126.85	ng	#	78
12) 2-Chlorophenol	4.60	128	350642	128.93	ng		100
13) 1,3-Dichlorobenzene	4.73	146	378725	124.44	ng		99
14) 1,4-Dichlorobenzene	4.78	146	391532	123.80	ng		99
15) 1,2-Dichlorobenzene	4.98	146	366827	124.26	ng		99
16) Benzyl alcohol	4.96	108	232326	134.24	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	545829	123.34	ng		99
18) 2-Methylphenol	5.12	107	271917	128.49	ng		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	765055	298.55	ng		98
20)	N-Nitrosodi-n-propylamine	5.27	70	253302	119.61	ng		98
21)	N-Nitrosodimethylamine	1.49	42	146647	139.02	ng		95
22)	Hexachloroethane	5.31	117	147886	124.45	ng		100
25)	Acetophenone	5.24	105	485872	127.24	ng		97
26)	Nitrobenzene	5.42	77	378800	121.78	ng		97
27)	N-Nitrosopiperidine	5.59	114	178653	133.14	ng		99
28)	Isophorone	5.68	82	686712	125.62	ng		99
29)	2-Nitrophenol	5.78	139	195760	131.05	ng		98
30)	2,4-Dimethylphenol	5.85	122	316523	130.26	ng		99
31)	Bis(2-chloroethoxy)methane	5.94	93	426378	139.42	ng		98
32)	2,4-Dichlorophenol	6.07	162	299245	128.72	ng		98
33)	1,2,4-Trichlorobenzene	6.16	180	326454	124.60	ng		98
34)	Naphthalene	6.23	128	1050990	124.81	ng		99
35)	Benzoic acid	6.03	122	85853	126.23	ng		99
36)	2,6-Dichlorophenol	6.34	162	290115	125.59	ng		97
37)	4-Chloroaniline	6.33	127	430970	129.07	ng		98
38)	Hexachlorobutadiene	6.46	225	193748	125.37	ng		99
39)	a,a-Dimethylphenethylamine	6.24	58	825440m	118.85	ng		
40)	Caprolactam	6.80	55	211672	143.03	ng		91
41)	4-Chloro-3-methylphenol	7.01	107	314332	132.50	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	325932	126.87	ng		96
43)	2-Methylnaphthalene	7.16	142	713489	127.76	ng		98
44)	1-Methylnaphthalene	7.31	142	715728	127.88	ng		98
46)	1,2,4,5-Tetrachlorobenzene	7.46	216	325040	117.42	ng		99
47)	Hexachlorocyclopentadiene	7.49	237	169123	133.95	ng		98
48)	2,4,6-Trichlorophenol	7.63	196	213373	122.23	ng		97
49)	2,4,5-Trichlorophenol	7.71	196	236354	122.14	ng		97
51)	Biphenyl	7.88	154	999892	128.02	ng		98
52)	2-Chloronaphthalene	7.89	162	681431	126.43	ng		98
53)	1-Chloronaphthalene	7.95	162	557228	105.61	ng		98
54)	2-Nitroaniline	8.12	65	204359	128.77	ng		98
55)	3-Nitroaniline	8.84	138	192676	129.62	ng	#	93
56)	Pentachlorobenzene	9.25	250	292018	117.80	ng		99
57)	4-Nitroaniline	10.00	138	198511	123.02	ng		92
58)	2-Naphthylamine	9.36	143	606194	116.16	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.50	143	631372	117.87	ng		98
60)	Dimethyl phthalate	8.49	163	745240	121.86	ng		99
61)	Acenaphthylene	8.59	152	1039221	137.20	ng		99
62)	2,6-Dinitrotoluene	8.60	165	168303	123.47	ng		97
63)	Acenaphthene	8.91	154	634608	117.93	ng		99
64)	2,4-Dinitrophenol	9.03	184	114927	121.35	ng	#	100
65)	Dibenzofuran	9.20	168	942532	120.93	ng		69
66)	4-Nitrophenol	9.22	65	126285	125.09	ng	#	1
67)	2,4-Dinitrotoluene	9.30	165	235720	125.80	ng		94
68)	2,3,4,6-Tetrachlorophenol	9.53	232	184197	114.99	ng		99
69)	Diethyl phthalate	9.79	149	726356	117.84	ng		99
70)	Fluorene	9.84	166	786966	118.57	ng		100
71)	4-Chlorophenyl phenyl ethe	9.86	204	377096	117.74	ng		99
74)	4,6-Dinitro-2-methylphenol	10.07	198	185483	129.08	ng		90
75)	Azobenzene	10.16	77	811625	126.56	ng		98
76)	1,2-Diphenylhydrazine	10.16	182	241633	128.26	ng		94
77)	Diphenylamine	10.12	170	142380	110.06	ng	#	96
78)	N-Nitrosodiphenylamine	10.12	168	707684	110.16	ng		97
79)	4-Bromophenyl phenyl ether	10.80	248	257672	130.66	ng		99
80)	Phenacetin	10.85	108	407574	137.76	ng		98
81)	Hexachlorobenzene	11.07	284	254605	125.79	ng		99
82)	Atrazine	11.29	200	239018	120.42	ng		99
83)	4-Aminobiphenyl	11.34	169	792984	119.96	ng		98
84)	Pentachlorophenol	11.46	266	187155	138.03	ng		96
85)	Pentachloronitrobenzene	11.61	237	110364	128.83	ng		99
86)	Pronamide	11.60	173	349915	122.98	ng		100
87)	Phenanthrene	11.72	178	1218778	120.79	ng		99
88)	Anthracene	11.81	178	1306263	130.51	ng		99
89)	Carbazole	12.18	167	1256567	135.12	ng		98
90)	Di-n-butyl phthalate	13.10	149	1411210	129.56	ng		99
91)	Fluoranthene	14.20	202	1468722	127.46	ng		99
93)	Pyrene	14.66	202	1534023	130.14	ng		99
95)	Benzidine	14.54	184	360596m	81.83	ng		
96)	Dimethylaminoazobenzene	15.43	225	351506	138.59	ng		99
97)	Butyl benzyl phthalate	16.25	149	687355	135.48	ng		98
98)	Benz(a)anthracene	17.25	228	1545049	132.29	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 10:03:11 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

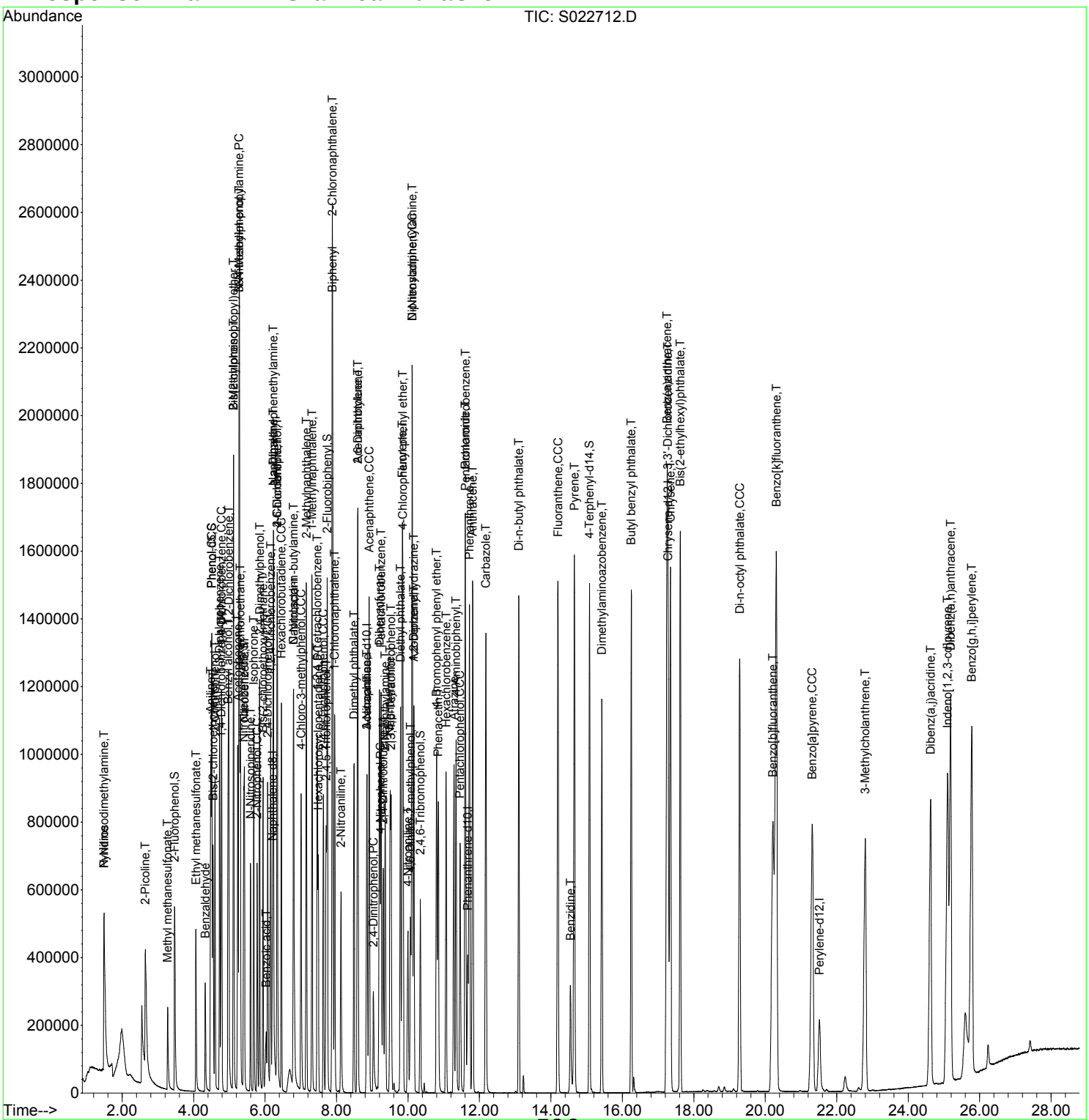
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.27	252	513509	122.18	ng		99
100)	Chrysene	17.34	228	1453126	129.87	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.62	149	954167	133.35	ng		99
102)	Di-n-octyl phthalate	19.28	149	1642569	128.11	ng		98
103)	3-Methylcholanthrene	22.80	268	770881	141.09	ng		98
104)	Indeno[1,2,3-cd]pyrene	25.10	276	1584348	132.69	ng	#	97
106)	Benzo[b]fluoranthene	20.21	252	1533496	129.08	ng		98
107)	Benzo[k]fluoranthene	20.31	252	1477992m	123.01	ng		
108)	Benzo[a]pyrene	21.32	252	1447343	128.90	ng		98
109)	Dibenz(a,j)acridine	24.63	279	1310384	130.18	ng		99
110)	Dibenz(a,h)anthracene	25.19	278	1508411	131.51	ng		100
111)	Benzo[g,h,i]perylene	25.78	276	1603667	130.72	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 Quant Results File: B022704.RES

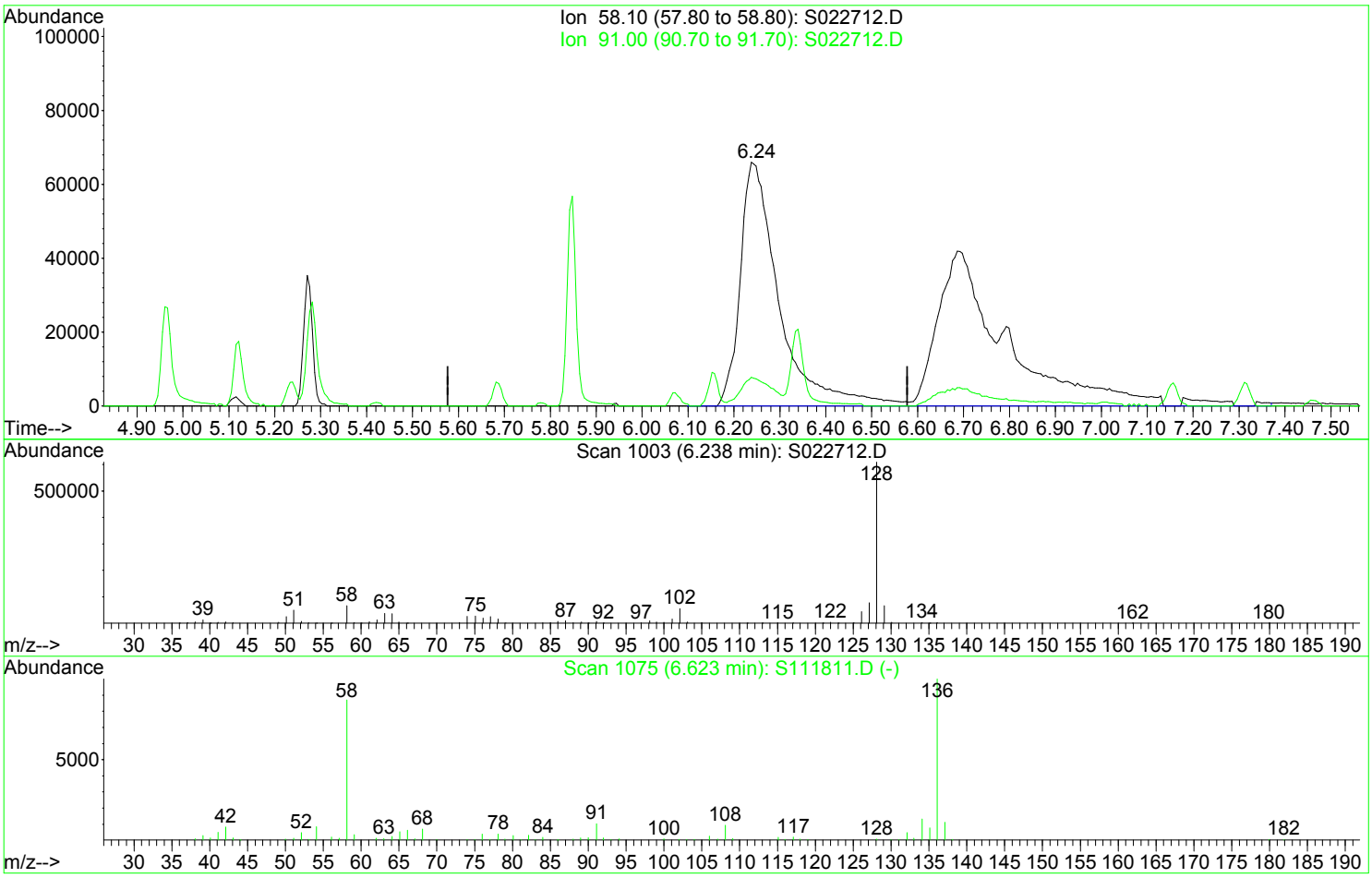
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D **Vial: 9**
Acq On : 27 Feb 2004 5:36 pm **Operator: YH**
Sample : BNA120 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:04 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(39) a,a-Dimethylphenethylamine (T)

6.24min 118.85ng m

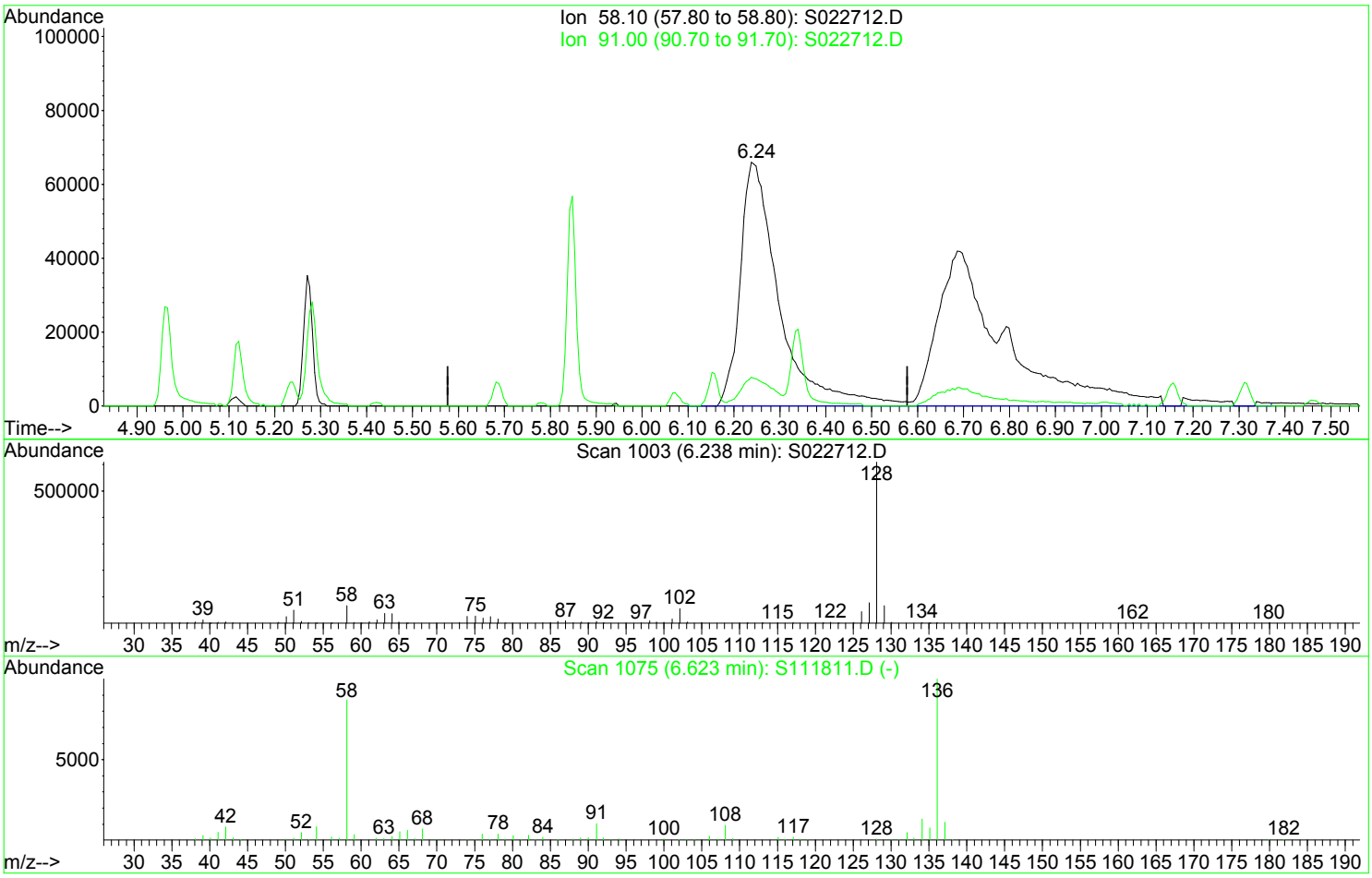
response 825440

Ion	Exp%	Act%
58.10	100	100
91.00	9.20	4.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D **Vial: 9**
Acq On : 27 Feb 2004 5:36 pm **Operator: YH**
Sample : BNA120 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:04 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(39) a,a-Dimethylphenethylamine (T)

6.24min 118.85ng m

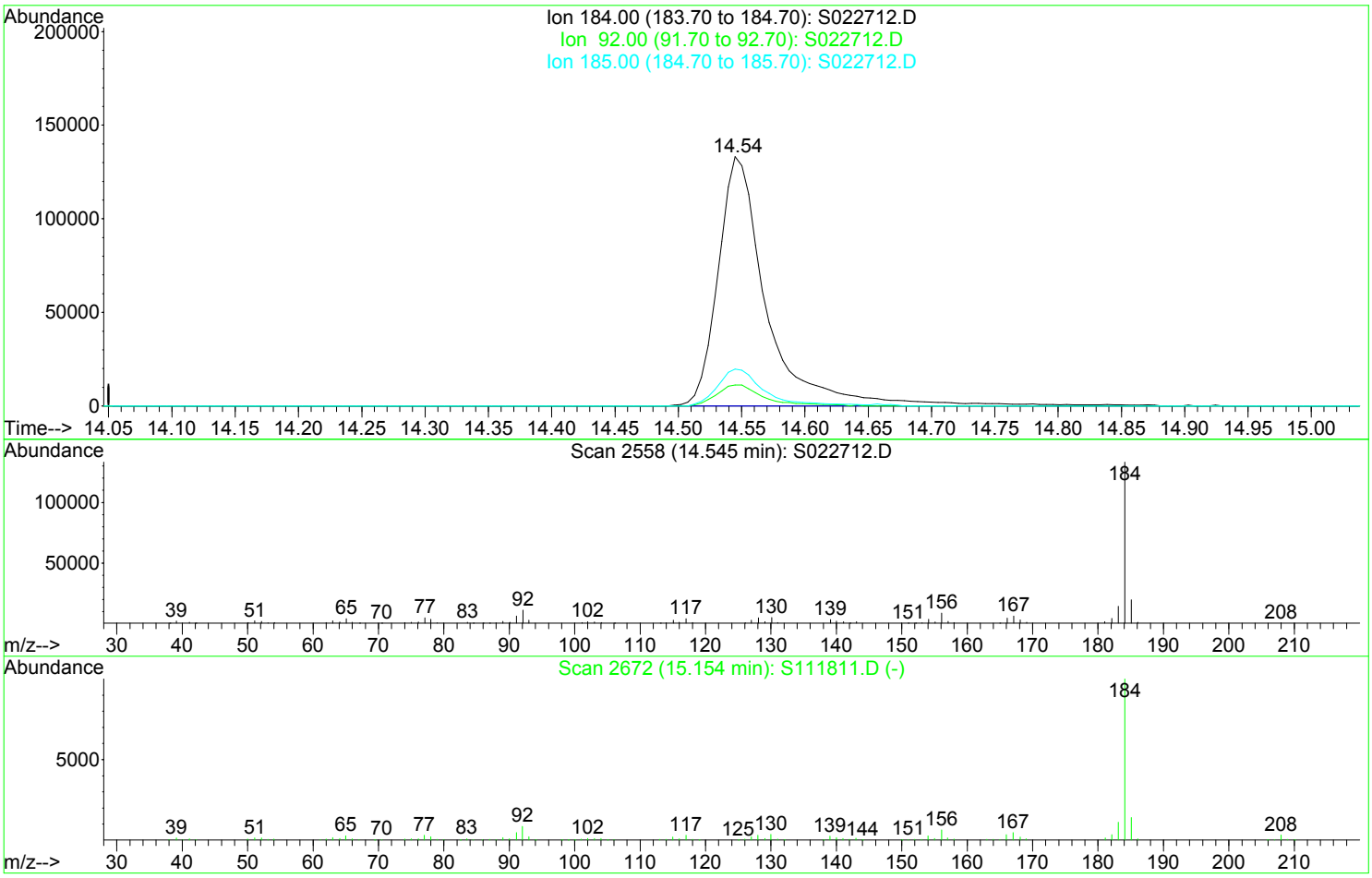
response 825440

Ion	Exp%	Act%
58.10	100	100
91.00	9.20	4.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D **Vial: 9**
Acq On : 27 Feb 2004 5:36 pm **Operator: YH**
Sample : BNA120 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(95) Benzidine (T)

14.54min 81.83ng m

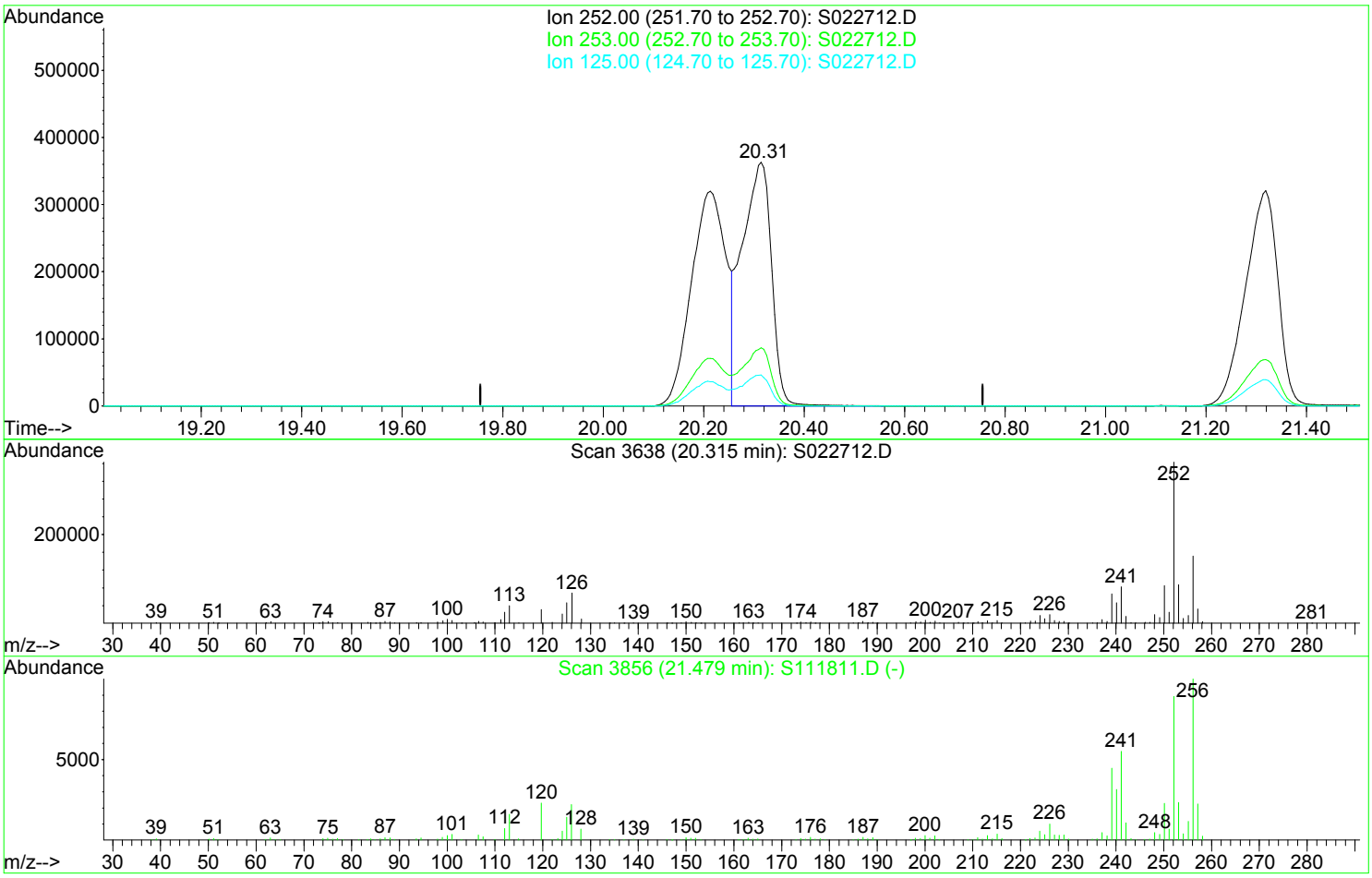
response 360596

Ion	Exp%	Act%
184.00	100	100
92.00	6.60	8.12
185.00	11.80	14.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022712.D Vial: 9
Acq On : 27 Feb 2004 5:36 pm Operator: YH
Sample : BNA120 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:05 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022712.D

(107) Benzo[k]fluoranthene (T)

20.31min 123.01ng m

response 1477992

Ion	Exp%	Act%
252.00	100	100
253.00	24.00	23.16
125.00	12.90	11.45
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.77	152	86959	40.00	ng		0.01
23) Naphthalene-d8	6.21	136	328033	40.00	ng		0.01
45) Acenaphthene-d10	8.87	164	204786	40.00	ng		0.02
73) Phenanthrene-d10	11.68	188	376611	40.00	ng		0.02
92) Chrysene-d12	17.30	240	409627	40.00	ng		0.03
105) Perylene-d12	21.54	264	317211	40.00	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	3.48	112	99216	40.84	ng		0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 40.84%				
9) Phenol-d5	4.51	99	143388	42.46	ng		0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 42.46%				
24) Nitrobenzene-d5	5.40	82	134270	40.71	ng		0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 81.42%				
50) 2-Fluorobiphenyl	7.75	172	286350	40.12	ng		0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 80.24%				
72) 2,4,6-Tribromophenol	10.36	330	43205	41.86	ng		0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 41.86%				
94) 4-Terphenyl-d14	15.09	244	389753	39.52	ng		0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 79.04%				
Target Compounds							Qvalue
2) Pyridine	1.49	79	105067	42.84	ng		98
3) 2-Picoline	2.66	93	100738	38.54	ng		99
4) Methyl methanesulfonate	3.28	80	54794	34.76	ng		99
6) Ethyl methanesulfonate	4.07	79	89415	42.56	ng		99
7) Benzaldehyde	4.33	105	64423	34.67	ng		99
8) Aniline	4.49	66	70563	43.31	ng	#	91
10) Phenol	4.52	94	157987	44.13	ng		92
11) Bis(2-chloroethyl)ether	4.55	63	86447	37.51	ng	#	84
12) 2-Chlorophenol	4.60	128	123541	42.09	ng		100
13) 1,3-Dichlorobenzene	4.74	146	134856	41.06	ng		99
14) 1,4-Dichlorobenzene	4.79	146	140840	41.26	ng		99
15) 1,2-Dichlorobenzene	4.99	146	131819	41.38	ng		99
16) Benzyl alcohol	4.97	108	79322	42.47	ng		99
17) Bis(2-chloroisopropyl)ethe	5.12	45	198681	41.60	ng		99
18) 2-Methylphenol	5.13	107	96674	42.33	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	3&4-Methylphenol	5.28	107	276688	100.05	ng		97
20)	N-Nitrosodi-n-propylamine	5.27	70	91792	40.16	ng		99
21)	N-Nitrosodimethylamine	1.50	42	50394	44.27	ng	#	100
22)	Hexachloroethane	5.32	117	53371	41.62	ng		100
25)	Acetophenone	5.24	105	172438	41.70	ng		100
26)	Nitrobenzene	5.43	77	141995	42.15	ng		98
27)	N-Nitrosopiperidine	5.59	114	62703	43.15	ng		99
28)	Isophorone	5.68	82	246128	41.58	ng		99
29)	2-Nitrophenol	5.79	139	68065	42.08	ng		99
30)	2,4-Dimethylphenol	5.85	122	109187	41.49	ng		99
31)	Bis(2-chloroethoxy)methane	5.95	93	151829	45.84	ng		98
32)	2,4-Dichlorophenol	6.08	162	105919	42.07	ng		99
33)	1,2,4-Trichlorobenzene	6.16	180	116332	41.00	ng		99
34)	Naphthalene	6.24	128	386401	42.37	ng		100
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	6.36	162	103881	41.53	ng		97
37)	4-Chloroaniline	6.34	127	158036	43.71	ng		97
38)	Hexachlorobutadiene	6.47	225	70160	41.92	ng		99
39)	a,a-Dimethylphenethylamine	6.17	58	293396m	39.01	ng		
40)	Caprolactam	6.78	55	76279	47.60	ng		93
41)	4-Chloro-3-methylphenol	7.01	107	112471	43.78	ng		99
42)	N-Nitrosodi-n-butylamine	6.80	84	116946	42.04	ng		98
43)	2-Methylnaphthalene	7.16	142	261462	43.23	ng		98
44)	1-Methylnaphthalene	7.32	142	265404	43.79	ng		100
46)	1,2,4,5-Tetrachlorobenzene	7.47	216	120033	39.32	ng		99
47)	Hexachlorocyclopentadiene	7.50	237	49015	39.81	ng		97
48)	2,4,6-Trichlorophenol	7.64	196	75970	39.46	ng		98
49)	2,4,5-Trichlorophenol	7.72	196	85820	40.21	ng		99
51)	Biphenyl	7.89	154	372606	43.26	ng		99
52)	2-Chloronaphthalene	7.90	162	253749	42.69	ng		99
53)	1-Chloronaphthalene	7.95	162	209445	35.99	ng		100
54)	2-Nitroaniline	8.13	65	71576	40.90	ng		98
55)	3-Nitroaniline	8.85	138	67042	40.89	ng	#	94
56)	Pentachlorobenzene	9.26	250	109186	39.94	ng		99
57)	4-Nitroaniline	9.99	138	69369	41.05	ng		94
58)	2-Naphthylamine	9.37	143	217935	37.87	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	9.51	143	238141	40.31	ng		99
60)	Dimethyl phthalate	8.49	163	273262	40.52	ng		99
61)	Acenaphthylene	8.60	152	381407	45.66	ng		99
62)	2,6-Dinitrotoluene	8.60	165	61196	40.71	ng		98
63)	Acenaphthene	8.92	154	233156	39.29	ng		99
64)	2,4-Dinitrophenol	9.05	184	28991	41.50	ng	#	100
65)	Dibenzofuran	9.21	168	343318	39.94	ng		71
66)	4-Nitrophenol	9.24	65	35831	32.18	ng	#	1
67)	2,4-Dinitrotoluene	9.31	165	85602	41.42	ng		92
68)	2,3,4,6-Tetrachlorophenol	9.54	232	66200	37.47	ng		99
69)	Diethyl phthalate	9.80	149	269577	39.66	ng		100
70)	Fluorene	9.85	166	292247	39.93	ng		100
71)	4-Chlorophenyl phenyl ethe	9.87	204	141574	40.08	ng		100
74)	4,6-Dinitro-2-methylphenol	10.07	198	60319	42.93	ng		94
75)	Azobenzene	10.17	77	301590	42.44	ng		98
76)	1,2-Diphenylhydrazine	10.17	182	89792	43.02	ng		94
77)	Diphenylamine	10.12	170	52944	36.94	ng		96
78)	N-Nitrosodiphenylamine	10.12	168	257423	36.16	ng		99
79)	4-Bromophenyl phenyl ether	10.81	248	94226	43.12	ng		99
80)	Phenacetin	10.84	108	143472	43.77	ng		98
81)	Hexachlorobenzene	11.08	284	93672	41.77	ng		99
82)	Atrazine	11.28	200	92365	42.00	ng		100
83)	4-Aminobiphenyl	11.35	169	312684	42.69	ng		99
84)	Pentachlorophenol	11.47	266	58691	44.99	ng		96
85)	Pentachloronitrobenzene	11.61	237	40816	43.00	ng		98
86)	Pronamide	11.60	173	126974	40.28	ng		100
87)	Phenanthrene	11.72	178	455203	40.72	ng		99
88)	Anthracene	11.81	178	485922	43.81	ng		99
89)	Carbazole	12.19	167	460173	44.66	ng		99
90)	Di-n-butyl phthalate	13.11	149	522513	43.29	ng		100
91)	Fluoranthene	14.21	202	542908	42.52	ng		99
93)	Pyrene	14.66	202	577334	42.25	ng		100
95)	Benzidine	14.56	184	165978m	32.49	ng		
96)	Dimethylaminoazobenzene	15.44	225	125657	42.74	ng		99
97)	Butyl benzyl phthalate	16.26	149	250812	42.65	ng		100
98)	Benz(a)anthracene	17.26	228	570799	42.16	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 01 09:59:25 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

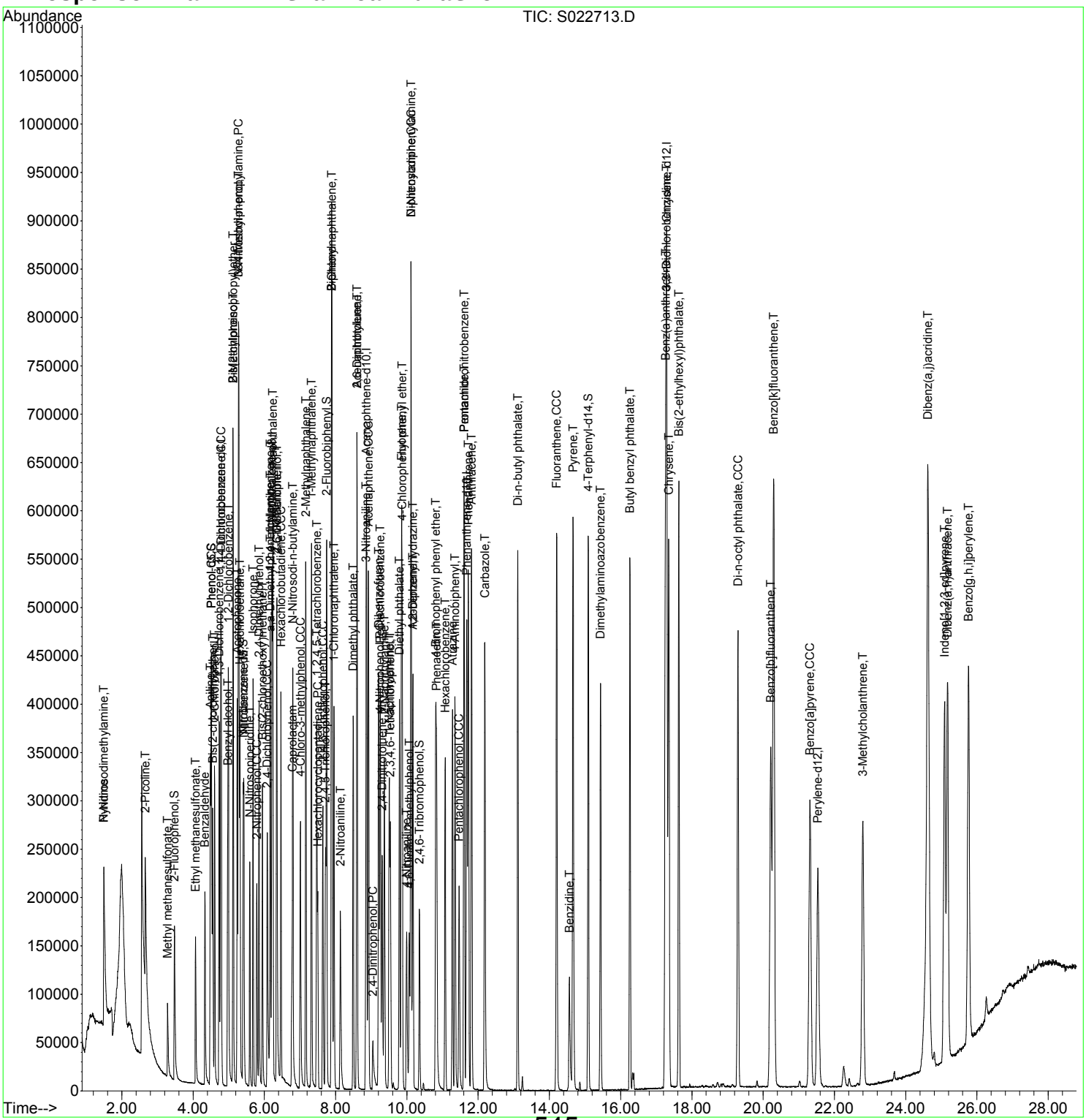
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	17.29	252	196934	40.42	ng		99
100)	Chrysene	17.35	228	548831	42.31	ng		99
101)	Bis(2-ethylhexyl)phthalate	17.63	149	348138	41.97	ng		99
102)	Di-n-octyl phthalate	19.29	149	588431	39.59	ng		98
103)	3-Methylcholanthrene	22.80	268	273240	43.14	ng		99
104)	Indeno[1,2,3-cd]pyrene	25.09	276	545232	39.39	ng	#	98
106)	Benzo[b]fluoranthene	20.21	252	567618	43.72	ng		98
107)	Benzo[k]fluoranthene	20.30	252	489031	37.24	ng		100
108)	Benzo[a]pyrene	21.31	252	514836	41.96	ng		98
109)	Dibenz(a,j)acridine	24.62	279	469890	42.72	ng		99
110)	Dibenz(a,h)anthracene	25.18	278	535415	42.72	ng		100
111)	Benzo[g,h,i]perylene	25.76	276	557633	41.59	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D Vial: 10
Acq On : 27 Feb 2004 6:13 pm Operator: YH
Sample : BNA40 2202 Inst : GC MS9
Misc : ICV 8270_TCL4.2_W Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:01 2004 Quant Results File: B022704.RES

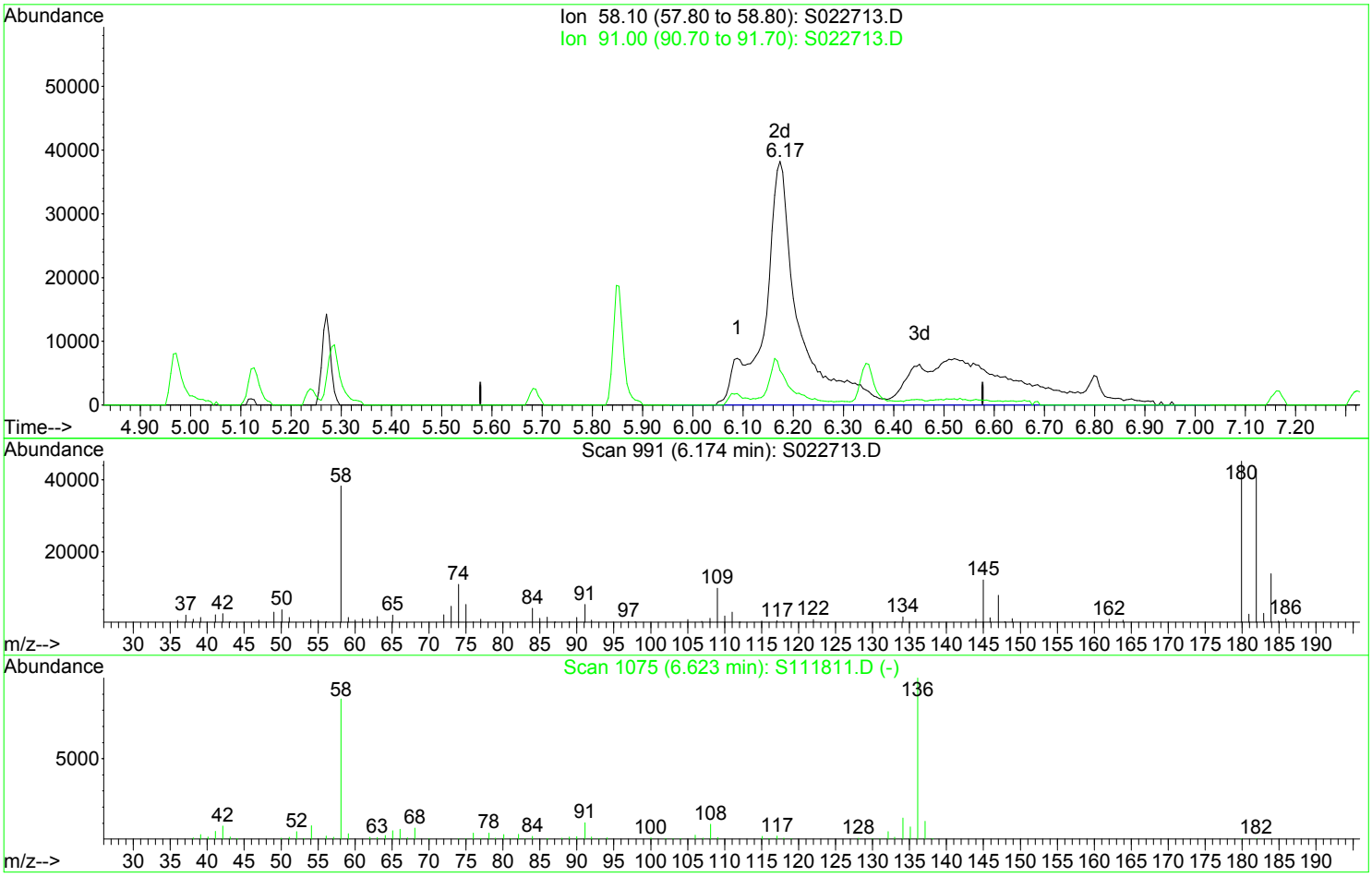
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D **Vial: 10**
Acq On : 27 Feb 2004 6:13 pm **Operator: YH**
Sample : BNA40 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:00 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022713.D

(39) a,a-Dimethylphenethylamine (T)

6.17min 39.01ng m

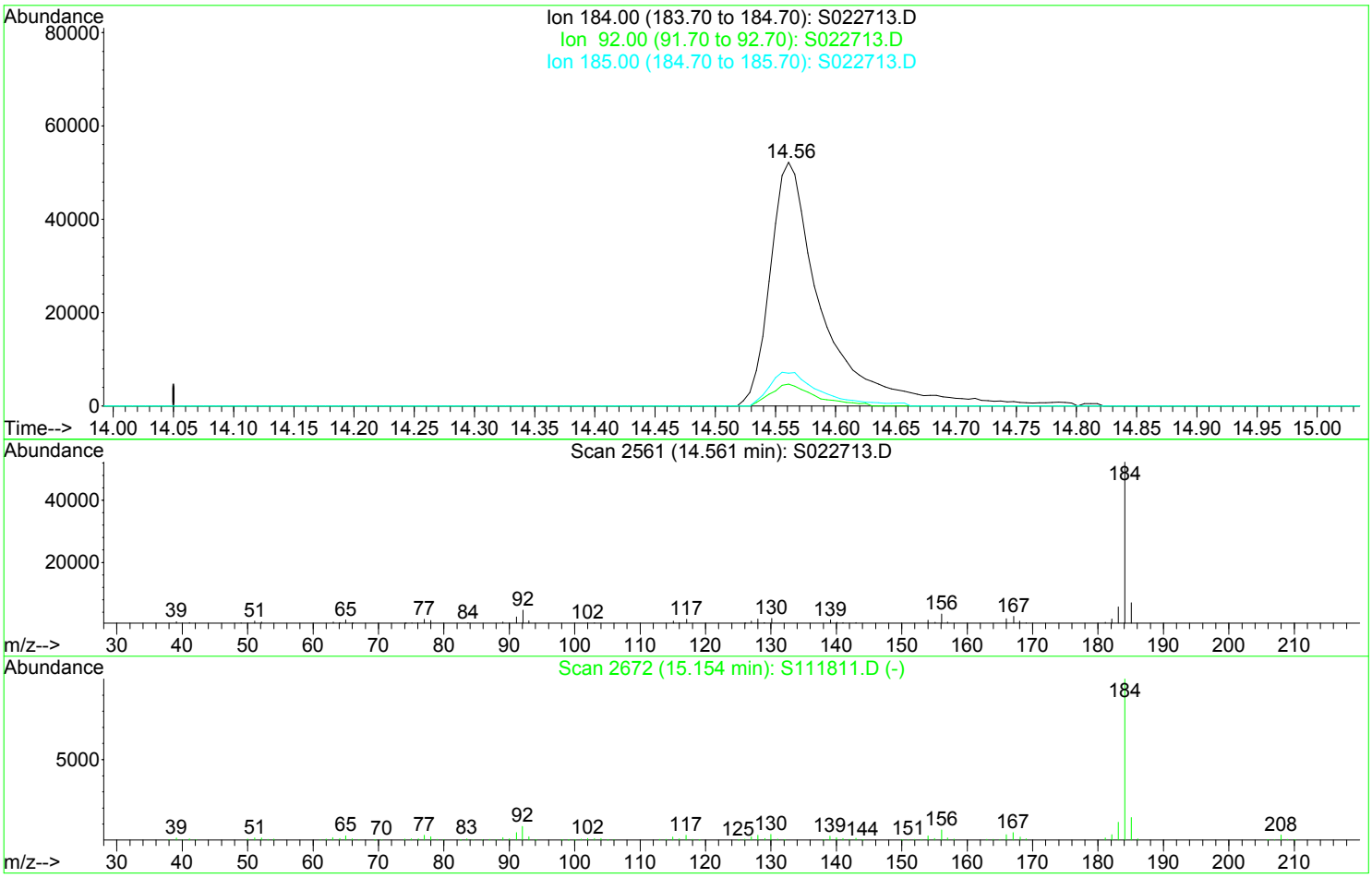
response 293396

Ion	Exp%	Act%
58.10	100	100
91.00	9.20	1.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40227\S022713.D **Vial: 10**
Acq On : 27 Feb 2004 6:13 pm **Operator: YH**
Sample : BNA40 2202 **Inst : GC MS9**
Misc : ICV 8270_TCL4.2_W **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Mar 1 10:01 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE 06/30/03 107
Last Update : Mon Mar 01 09:50:33 2004
Response via : Multiple Level Calibration



TIC: S022713.D

(95) Benzidine (T)

14.56min 32.49ng m

response 165978

Ion	Exp%	Act%
184.00	100	100
92.00	6.60	7.33
185.00	11.80	12.90
0.00	0.00	0.00

Injection Log

Directory: D:\MSDchem\DATA\S40625

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	17	S062500.d	1.	LCStest 2256	TUNE DFTPP_4	25 Jun 2004 09:26
2	1	S062501.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 10:04
3	1	S062502.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 10:38
4	2	S062503.d	1.	BNA80 2238	CCV 8270_TCL4.2_S	25 Jun 2004 10:58
5	3	S062504.d	1.	MB-47088	MBLK 8270_PAH_S	25 Jun 2004 11:36
6	4	S062505.d	1.	LCS-47088	LCS 8270_PAH_W	25 Jun 2004 12:14
7	5	S062506.d	1.	0406B21-002B 47088	SAMP 8270_PAH_W	25 Jun 2004 12:52
8	6	S062507.d	1.	0406B21-002BMS 47088	MS 8270_PAH_W	25 Jun 2004 13:29
9	7	S062508.d	1.	0406B21-002BMSD 47088	MSD 8270_PAH_W	25 Jun 2004 14:06
10	8	S062509.d	1.	0406A60-003B 47088	SAMP 8270_PAH_W	25 Jun 2004 14:44
11	9	S062510.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 15:17
12	10	S062511.d	1.	DFTPP 2256	TUNE DFTPP_4	25 Jun 2004 16:48
13	11	S062512.d	1.	BNA80 2238	CCV 8270_TCL4.2_S	25 Jun 2004 17:07
14	12	S062513.d	1.	BNA120 2238	CCV 8270_TCL4.2_S	25 Jun 2004 17:44
15	13	S062514.d	1.	MB-47086	MBLK 8270_TCL4.2_X	25 Jun 2004 18:22
16	14	S062515.d	1.	LCS-47086	LCS 8270_TCL4.2_X	25 Jun 2004 19:00
17	15	S062516.d	1.	0406C14-001D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 19:37
18	16	S062517.d	1.	0406C14-001DMS 47086	MS 8270_TCL4.2_X	25 Jun 2004 20:15
19	17	S062518.d	1.	0406C14-001DMSD 47086	MSD 8270_TCL4.2_X	25 Jun 2004 20:53
20	18	S062519.d	1.	0406C14-002D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 21:30
21	19	S062520.d	1.	0406C14-003D 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 22:08
22	20	S062521.d	1.	0406B33-003B 47086	SAMP 8270_TCL4.2_X	25 Jun 2004 22:46
23	21	S062522.d	1.	0406B55-001B 47088	SAMP 8270_PAH_W	25 Jun 2004 23:24
24	22	S062523.d	1.	0406B55-002B 47088	SAMP 8270_PAH_W	26 Jun 2004 00:01
25	23	S062524.d	1.	0406B21-005B 47088	SAMP 8270_PAH_W	26 Jun 2004 00:39
26	24	S062525.d	1.	0406B21-007B 47088	SAMP 8270_PAH_W	26 Jun 2004 01:17
27	25	S062526.d	1.	0406B09-003B 47088	SAMP 8270_PAH_W	26 Jun 2004 01:55
28	26	S062527.d	1.	0406C34-001B 47088	SAMP 8270_PAH_W	26 Jun 2004 02:33
29	27	S062528.d	1.	0406C34-002B 47088	SAMP 8270_PAH_W	26 Jun 2004 03:11
30	28	S062529.d	1.	0406C34-003B 47088	SAMP 8270_PAH_W	26 Jun 2004 03:48
31	29	S062530.d	1.	0406C34-004B 47088	SAMP 8270_PAH_W	26 Jun 2004 04:26

Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062511.D Vial: 10
Acq On : 25 Jun 2004 4:48 pm Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

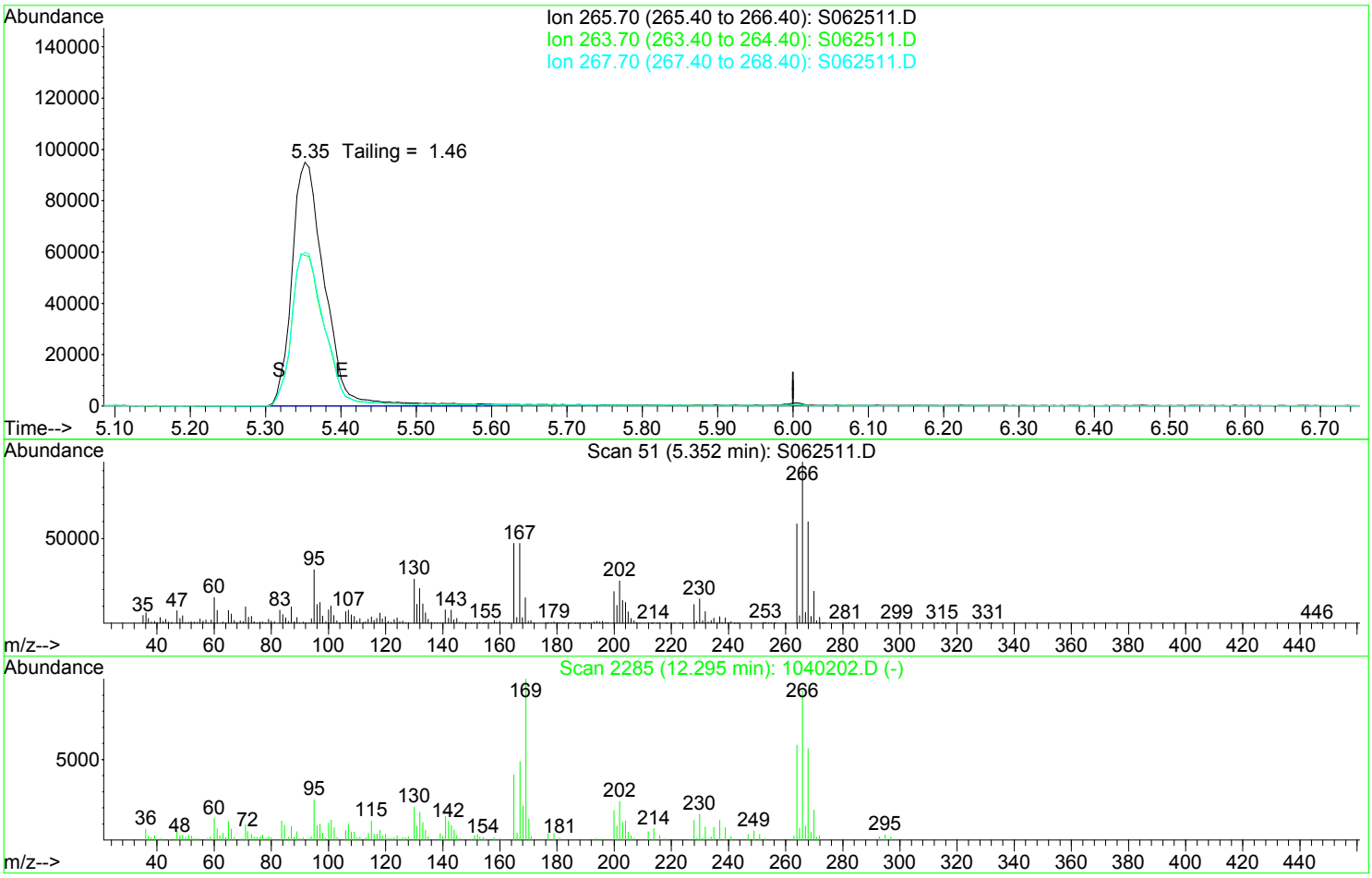
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.352	41	51	84	rVB3	894521	2764790	39.38%	13.244%
2	6.004	165	173	180	rBV	3310080	4517655	64.34%	21.641%
3	7.126	376	383	407	rBV	2200148	3018285	42.99%	14.459%
4	7.292	407	414	420	rVB	310417	353869	5.04%	1.695%
5	7.794	502	508	517	rVB	288146	343529	4.89%	1.646%
6	8.152	567	575	580	rBV	6067102	7021129	100.00%	33.633%
7	8.616	652	662	681	rVB	1137188	1467547	20.90%	7.030%
8	9.706	857	866	875	rBV	182094	213740	3.04%	1.024%
9	9.845	880	892	905	rVB	617498	731576	10.42%	3.504%
10	10.075	928	935	944	rBV	159786	211485	3.01%	1.013%
11	10.476	1004	1010	1015	rBV	183449	231800	3.30%	1.110%

Sum of corrected areas: 20875405

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062511.D **Vial: 10**
Acq On : 25 Jun 2004 4:48 pm **Operator: YH**
Sample : DFTPP 2256 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:25 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Apr 02 15:25:24 2004
Response via : Multiple Level Calibration



TIC: S062511.D

(3) Pentachlorophenol (CCC)

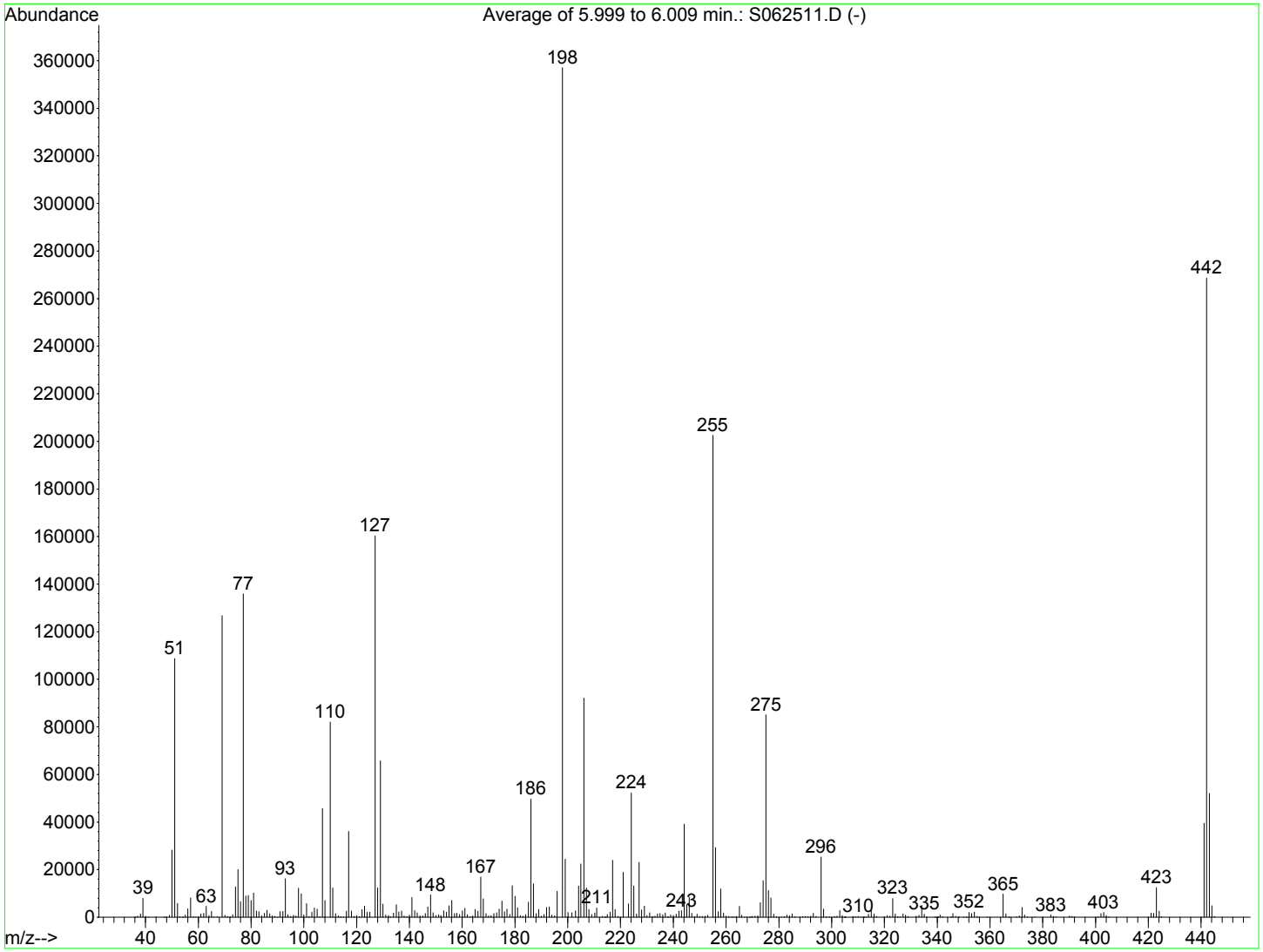
5.35min 0.00ng

response 284683

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	62.50
267.70	63.60	63.75
0.00	0.00	0.00

DFTPP 625 Results

D:\MSDCHEM\DATA\S40625\S062511.D **Mon Jun 28 09:27:25 2004**



Peak Apex is scan: 173
Average of 3 scans: 172,173,174 minus background scan 163

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	30.4	PASS
68	69	0	2	0.0	PASS
69	198	0	100	35.5	PASS
70	69	0	2	0.7	PASS
127	198	40	60	44.9	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.8	PASS
275	198	10	30	23.8	PASS
365	198	1	100	2.7	PASS
441	443	0	100	76.0	PASS
442	198	40	100	75.2	PASS
443	442	17	23	19.4	PASS

Information from Data File:
File: D:\MSDCHEM\DATA\S40625\S062511.D
Operator: YH
Date Acquired: 25 Jun 2004 4:48 pm
Method File: DFTPP
Sample Name: DFTPP 2256
Misc Info: TUNE DFTPP_4
Vial Number: 10

Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

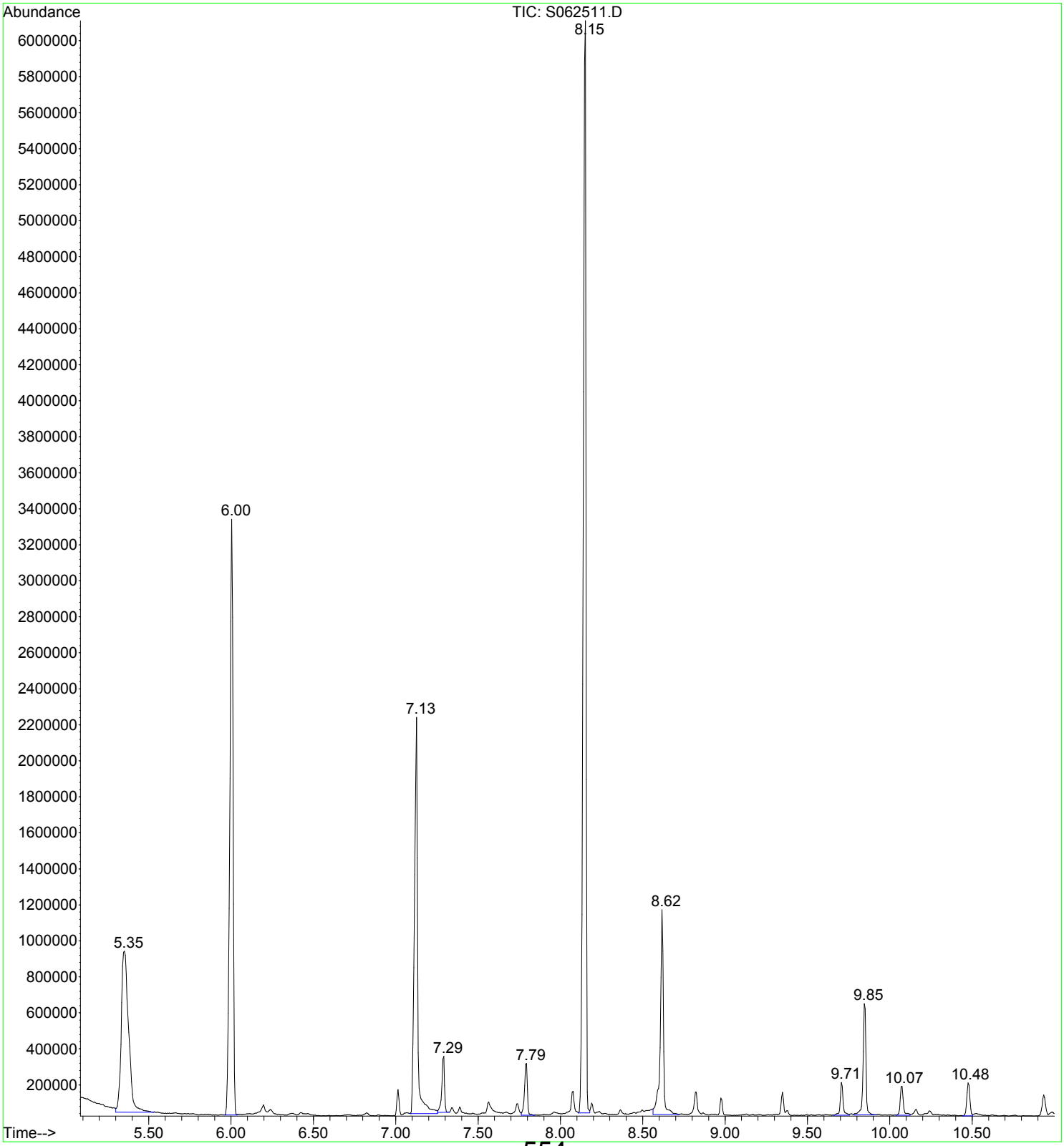
Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.35	13.24	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	95393	000087-86-5	96
2	6.00	21.64	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	99
3	7.13	14.46	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	96
			Benzidine	78849	000092-87-5	95
			Benzidine	125548	000092-87-5	95
4	7.29	1.70	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	97
			Hexadecanoic acid, 1,1-dimethyl...	15255	031158-91-5	62
			Cyclopropane, 1-(1-methylethyl)...	15264	041977-39-3	46
5	7.79	1.65	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloroph...	127283	000072-54-8	97
			1,1-Dichloro-2,2-bis(p-chloroph...	127280	000072-54-8	93
			1,1-Dichloro-2,2-bis(p-chloroph...	90535	000072-54-8	93
6	8.15	33.63	C:\DATABASE\NIST98.L			
			Chlorophenothane	127284	000050-29-3	99
			o,p'-DDT	127279	000789-02-6	95
			o,p'-DDT	127278	000789-02-6	94
7	8.62	7.03	C:\DATABASE\NIST98.L			
			dl-2-Ethylhexyl chloroformate	17577	024468-13-1	74
			1-Pentanol, 2-methyl-	109332	000105-30-6	38
			2-Heptene, 3-methyl-	23868	003404-75-9	35
8	9.71	1.02	C:\DATABASE\NIST98.L			
			Eicosane	109630	000112-95-8	96
			Eicosane	16454	000112-95-8	95
			Eicosane	112343	000112-95-8	93

9	9.85	3.50	C:\DATABASE\NIST98.L			
			Squalene	114263	007683-64-9	87
			2,6,10,14,18,22-Tetracosahexaen...	114266	000111-02-4	86
			4,9,13,17-Tetramethyl-4,8,12,16...	23043	056882-09-8	83
10	10.07	1.01	C:\DATABASE\NIST98.L			
			Eicosane	112343	000112-95-8	97
			Nonadecane	112576	000629-92-5	96
			Eicosane	16454	000112-95-8	95
11	10.48	1.11	C:\DATABASE\NIST98.L			
			Eicosane	112343	000112-95-8	98
			Hexatriacontane	112335	000630-06-8	93
			Eicosane	112344	000112-95-8	92

Area Percent Report

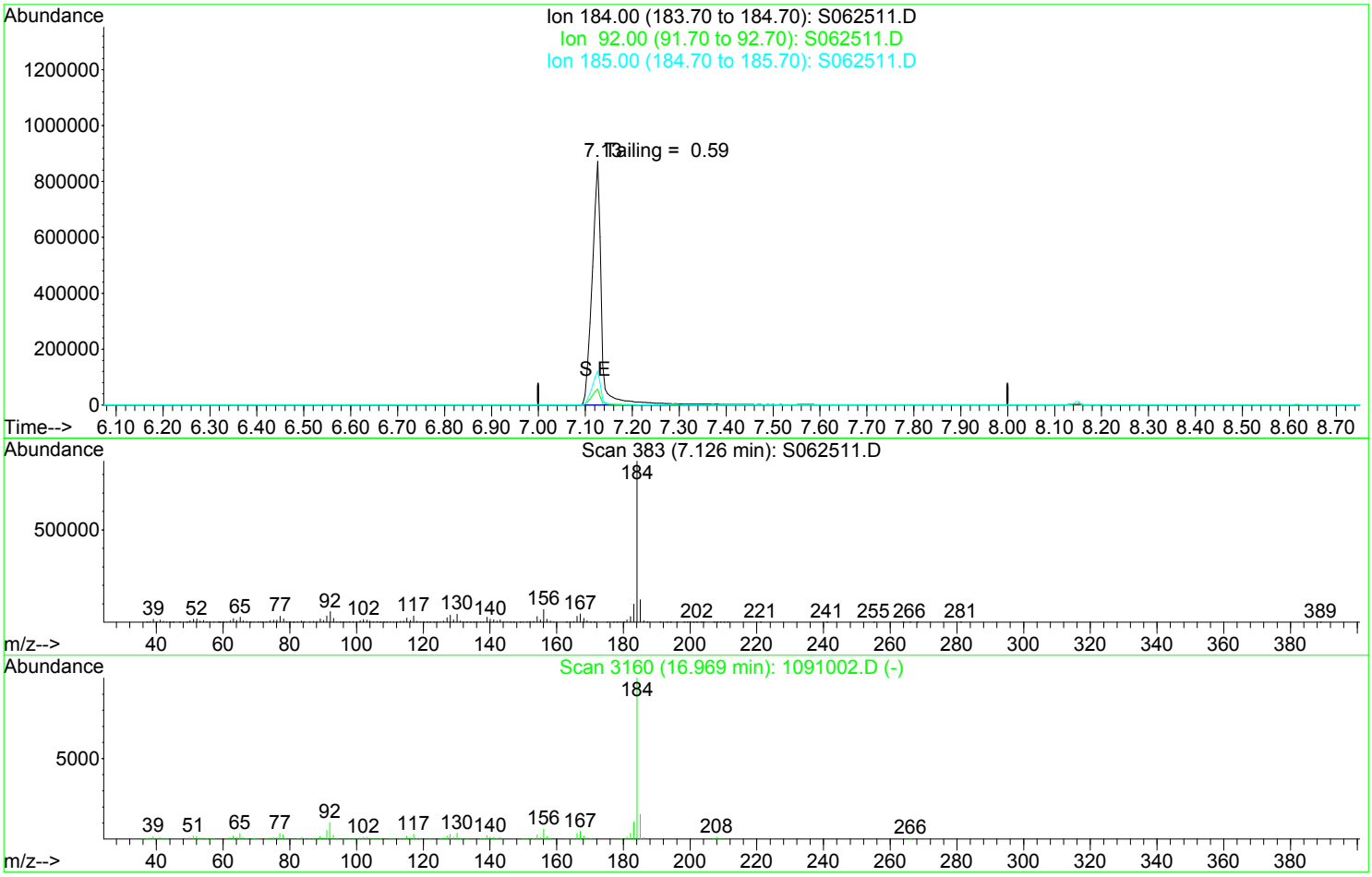
Data File : D:\MSDCHEM\DATA\S40625\S062511.D Vial: 10
Acq On : 25 Jun 2004 4:48 pm Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062511.D **Vial: 10**
Acq On : 25 Jun 2004 4:48 pm **Operator: YH**
Sample : DFTPP 2256 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:25 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\TAILING.M (RTE Integrator)
Title : BNA CUR 03/14/01
Last Update : Fri Apr 02 15:25:24 2004
Response via : Multiple Level Calibration



TIC: S062511.D

(6) Benzidine (T)

7.13min 0.00ng m

response 1211540

Ion	Exp%	Act%
184.00	100	100
92.00	10.50	6.23
185.00	14.80	13.63
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.19	152	46280	40.00	ng		-0.09
23) Naphthalene-d8	5.51	136	179624	40.00	ng		-0.10
45) Acenaphthene-d10	7.97	164	114136	40.00	ng		-0.13
73) Phenanthrene-d10	10.67	188	224086	40.00	ng		-0.15
92) Chrysene-d12	16.16	240	252836	40.00	ng		-0.17
105) Perylene-d12	19.56	264	208014	40.00	ng		-0.28
System Monitoring Compounds							
5) 2-Fluorophenol	2.92	112	148991	115.24	ng		-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 115.24%#				
9) Phenol-d5	4.02	99	238366	132.62	ng		-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 132.62%#				
24) Nitrobenzene-d5	4.78	82	259762	143.84	ng		-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 287.68%#				
50) 2-Fluorobiphenyl	6.94	172	500617	125.86	ng		-0.12
Spiked Amount 50.000	Range 43 - 116		Recovery = 251.72%#				
72) 2,4,6-Tribromophenol	9.41	330	80212	139.43	ng		-0.15
Spiked Amount 100.000	Range 10 - 123		Recovery = 139.43%#				
94) 4-Terphenyl-d14	14.04	244	710612	116.72	ng		-0.16
Spiked Amount 50.000	Range 33 - 141		Recovery = 233.44%#				
Target Compounds							Qvalue
2) Pyridine	0.93	79	143177	109.70	ng		96
3) 2-Picoline	1.85	93	143601	103.24	ng		98
4) Methyl methanesulfonate	2.65	80	99421	118.49	ng		99
6) Ethyl methanesulfonate	3.51	79	140797	125.93	ng		99
7) Benzaldehyde	3.76	105	51986	52.57	ng		98
8) Aniline	3.93	66	107014	123.42	ng		99
10) Phenol	4.03	94	226264	118.76	ng	#	96
11) Bis(2-chloroethyl)ether	3.99	63	144190	117.56	ng		91
12) 2-Chlorophenol	4.05	128	192995	123.56	ng		99
13) 1,3-Dichlorobenzene	4.15	146	211779	121.15	ng		99
14) 1,4-Dichlorobenzene	4.20	146	220489	121.38	ng		99
15) 1,2-Dichlorobenzene	4.38	146	208801	123.15	ng		99
16) Benzyl alcohol	4.40	108	122446	123.18	ng		97
17) Bis(2-chloroisopropyl)ethe	4.53	45	337937	132.96	ng		99
18) 2-Methylphenol	4.59	107	160035	131.66	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	4.74	107	384619	261.32	ng		99
20)	N-Nitrosodi-n-propylamine	4.68	70	175914	144.62	ng		99
21)	N-Nitrosodimethylamine	0.93	42	67296	111.08	ng	#	77
22)	Hexachloroethane	4.68	117	99236	145.40	ng		99
25)	Acetophenone	4.63	105	602684	266.15	ng		100
26)	Nitrobenzene	4.80	77	261144	141.58	ng		99
27)	N-Nitrosopiperidine	4.97	114	97281	122.26	ng		99
28)	Isophorone	5.05	82	437000	134.81	ng		100
29)	2-Nitrophenol	5.13	139	109161	123.24	ng		99
30)	2,4-Dimethylphenol	5.24	122	172328	119.59	ng		100
31)	Bis(2-chloroethoxy)methane	5.30	93	222591	122.74	ng		99
32)	2,4-Dichlorophenol	5.43	162	174403	126.51	ng		99
33)	1,2,4-Trichlorobenzene	5.47	180	197689	127.24	ng		100
34)	Naphthalene	5.53	128	624037	124.97	ng		100
35)	Benzoic acid	5.47	122	70763	147.09	ng		98
36)	2,6-Dichlorophenol	5.66	162	173426	126.61	ng		99
37)	4-Chloroaniline	5.66	127	222336	112.29	ng		98
38)	Hexachlorobutadiene	5.75	225	125432	136.87	ng		99
39)	a,a-Dimethylphenethylamine	6.21	58	624827m	151.72	ng		
40)	Caprolactam	6.08	55	138723	158.08	ng		94
41)	4-Chloro-3-methylphenol	6.32	107	196295	139.53	ng		97
42)	N-Nitrosodi-n-butylamine	6.08	84	213391	140.08	ng		96
43)	2-Methylnaphthalene	6.38	142	424080	128.06	ng		98
44)	1-Methylnaphthalene	6.53	142	415861	125.30	ng		99
46)	1,2,4,5-Tetrachlorobenzene	6.67	216	208677	122.65	ng		99
47)	Hexachlorocyclopentadiene	6.69	237	84729	110.34	ng		97
48)	2,4,6-Trichlorophenol	6.86	196	131869	122.90	ng		99
49)	2,4,5-Trichlorophenol	6.95	196	148934	125.22	ng		99
51)	Biphenyl	7.07	154	627369	130.67	ng		100
52)	2-Chloronaphthalene	7.07	162	438663	132.41	ng		99
53)	1-Chloronaphthalene	7.11	162	381246	117.55	ng		99
54)	2-Nitroaniline	7.32	65	156960	160.91	ng		99
55)	3-Nitroaniline	8.01	138	120747	132.15	ng		95
56)	Pentachlorobenzene	8.34	250	194942	127.94	ng		100
57)	4-Nitroaniline	9.13	138	113011	114.16	ng		96
58)	2-Naphthylamine	8.47	143	308962	96.32	ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59)	1-Naphthylamine	8.60	143	286599	87.05	ng		97
60)	Dimethyl phthalate	7.66	163	487194	129.60	ng		100
61)	Acenaphthylene	7.71	152	572613	122.99	ng		100
62)	2,6-Dinitrotoluene	7.77	165	109061	130.17	ng		95
63)	Acenaphthene	8.02	154	413830	125.12	ng		100
64)	2,4-Dinitrophenol	8.19	184	42787m	80.52	ng		
65)	Dibenzofuran	8.30	168	589464	123.04	ng		100
66)	4-Nitrophenol	8.49	65	94329	152.02	ng	#	100
67)	2,4-Dinitrotoluene	8.43	165	152912	132.76	ng	#	83
68)	2,3,4,6-Tetrachlorophenol	8.65	232	115119	116.92	ng		99
69)	Diethyl phthalate	8.91	149	560574	147.96	ng		98
70)	Fluorene	8.91	166	547103	134.11	ng		99
71)	4-Chlorophenyl phenyl ethe	8.95	204	253567	128.80	ng		99
74)	4,6-Dinitro-2-methylphenol	9.18	198	87835	94.72	ng	#	1
75)	Azobenzene	9.24	77	729785	172.61	ng		91
76)	1,2-Diphenylhydrazine	9.24	182	144127	116.04	ng		96
77)	Diphenylamine	9.21	170	106071	124.37	ng		100
78)	N-Nitrosodiphenylamine	9.21	168	535847	126.52	ng		100
79)	4-Bromophenyl phenyl ether	9.85	248	156112	120.07	ng		99
80)	Phenacetin	9.96	108	282410	144.78	ng		99
81)	Hexachlorobenzene	10.09	284	163252	122.34	ng		98
82)	Atrazine	10.37	200	154619	118.15	ng		99
83)	4-Aminobiphenyl	10.39	169	428141	98.24	ng		99
84)	Pentachlorophenol	10.51	266	73059m	101.23	ng		
85)	Pentachloronitrobenzene	10.63	237	84930	150.37	ng		99
86)	Pronamide	10.67	173	255254	136.08	ng		99
87)	Phenanthrene	10.72	178	775969	116.65	ng		100
88)	Anthracene	10.81	178	772081	117.00	ng		100
89)	Carbazole	11.21	167	739426	120.60	ng		100
90)	Di-n-butyl phthalate	12.14	149	951755	132.53	ng		100
91)	Fluoranthene	13.14	202	931859	122.66	ng		100
93)	Pyrene	13.58	202	956121	113.37	ng		100
95)	Benzidine	13.54	184	191514	60.74	ng		98
96)	Dimethylaminoazobenzene	14.39	225	212851	117.29	ng		99
97)	Butyl benzyl phthalate	15.23	149	474063	130.60	ng		99
98)	Benz(a)anthracene	16.13	228	1005307	120.31	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 18:14:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

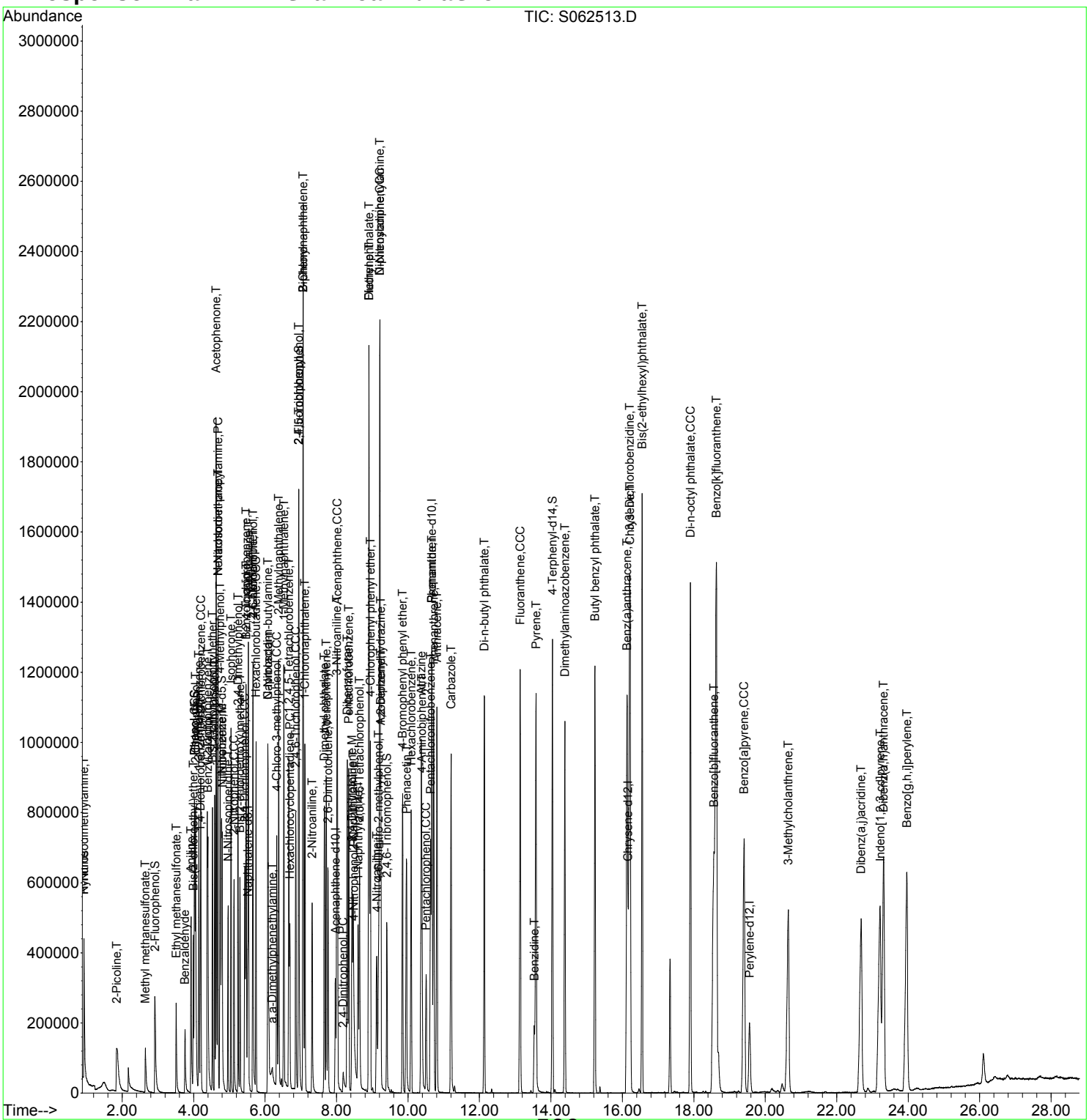
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.20	252	380449	126.51	ng		100
100)	Chrysene	16.22	228	966232	120.69	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.55	149	698065	136.35	ng		100
102)	Di-n-octyl phthalate	17.91	149	1262353	137.61	ng		99
103)	3-Methylcholanthrene	20.65	268	483093	123.58	ng		99
104)	Indeno[1,2,3-cd]pyrene	23.22	276	1005306	117.67	ng	#	100
106)	Benzo[b]fluoranthene	18.56	252	1053431	123.74	ng		98
107)	Benzo[k]fluoranthene	18.64	252	1110842m	129.01	ng		
108)	Benzo[a]pyrene	19.41	252	979959	121.80	ng		99
109)	Dibenz(a,j)acridine	22.68	279	866718	120.16	ng		100
110)	Dibenz(a,h)anthracene	23.31	278	998838	121.53	ng		99
111)	Benzo[g,h,i]perylene	23.96	276	1018046	115.80	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:00 2004 Quant Results File: B022704.RES

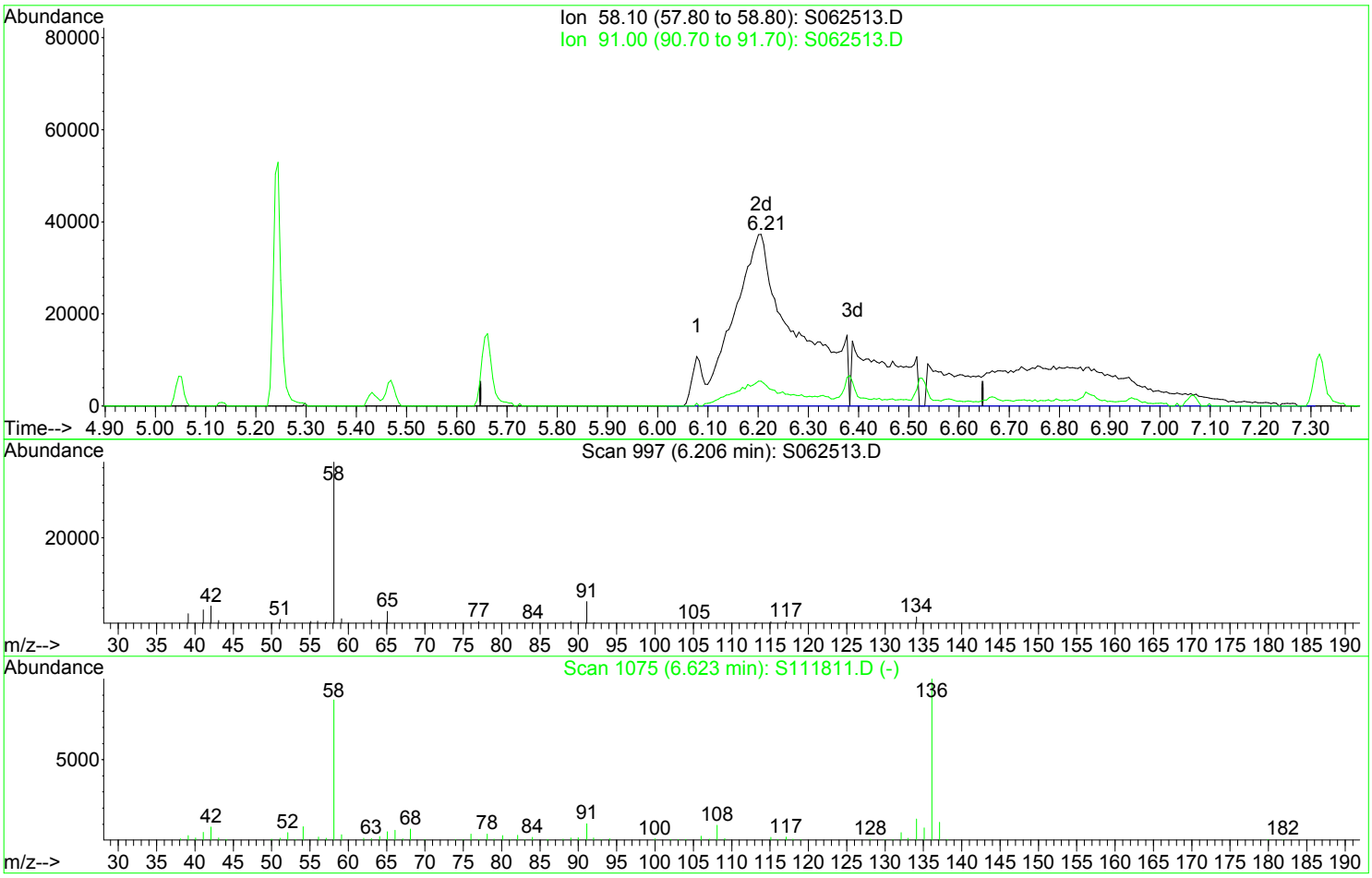
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:58 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(39) a,a-Dimethylphenethylamine (T)

6.21min 151.72ng m

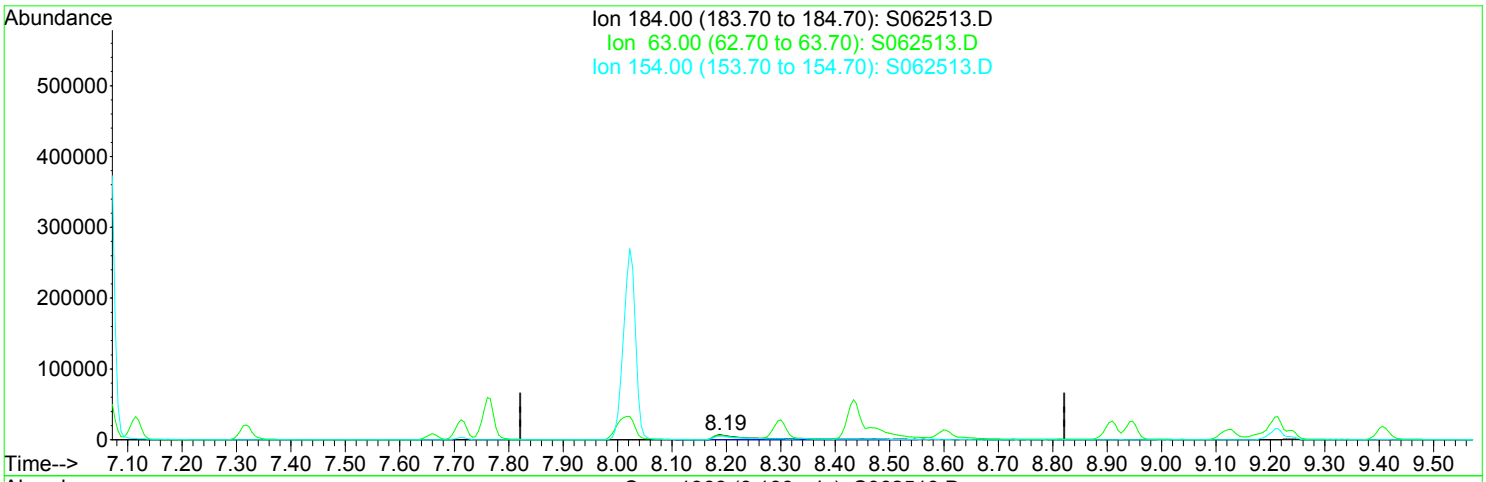
response 624827

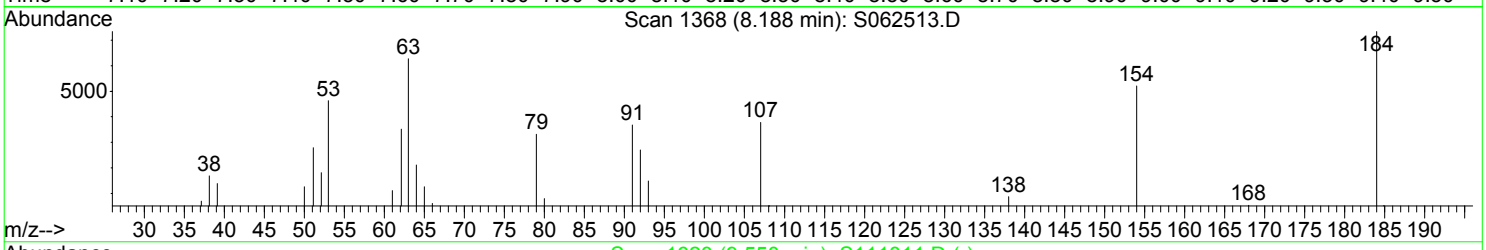
Ion	Exp%	Act%
58.10	100	100
91.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

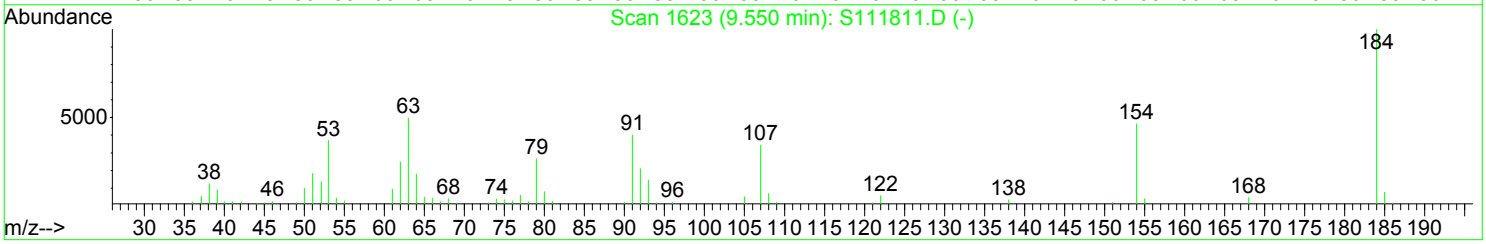
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:59 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration







TIC: S062513.D

(64) 2,4-Dinitrophenol (PC)

8.19min 80.52ng m

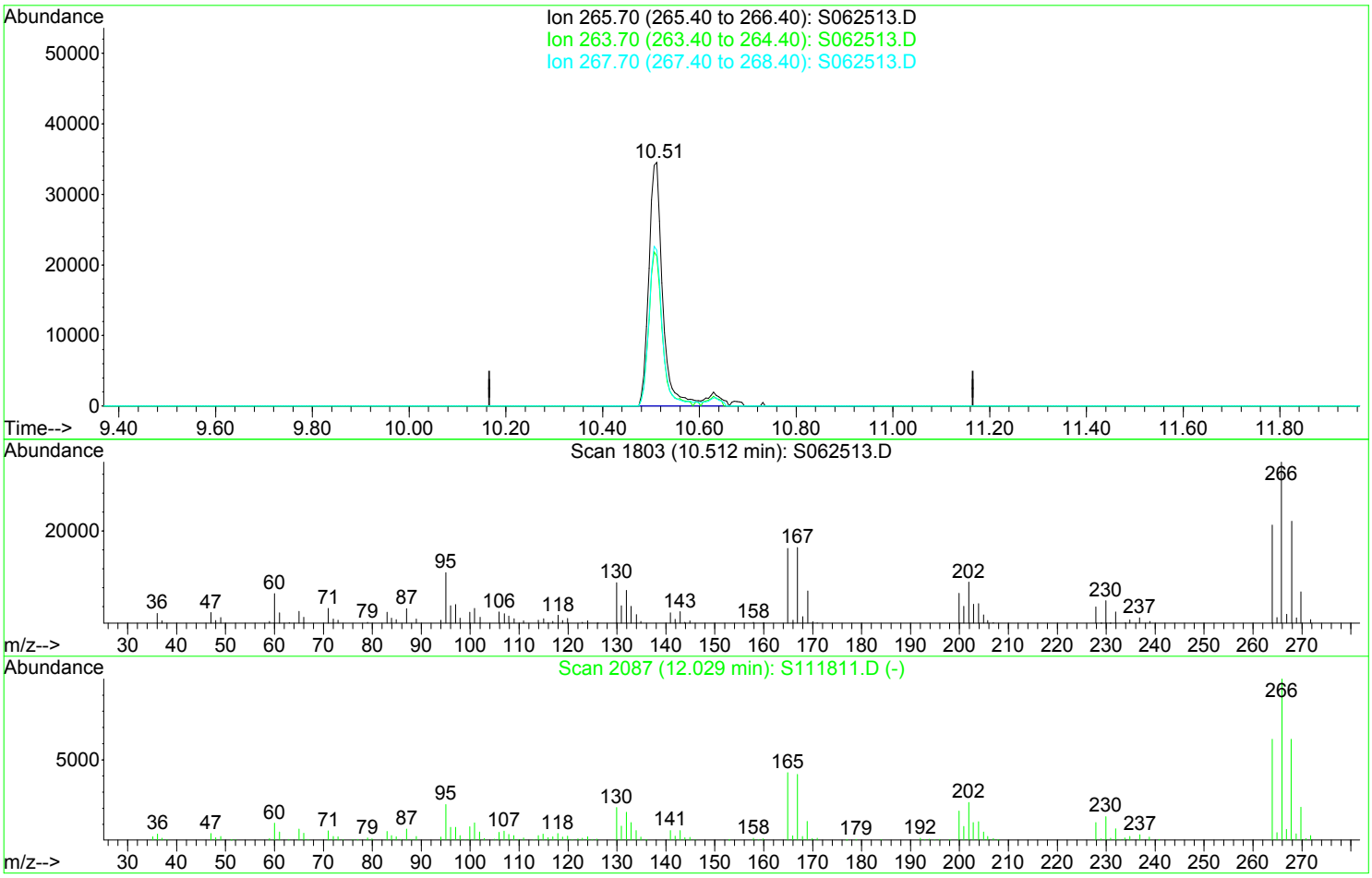
response 42787

Ion	Exp%	Act%
184.00	100	100
63.00	65.30	48.08
154.00	58.30	37.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 8:59 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(84) Pentachlorophenol (CCC)

10.51min 101.23ng m

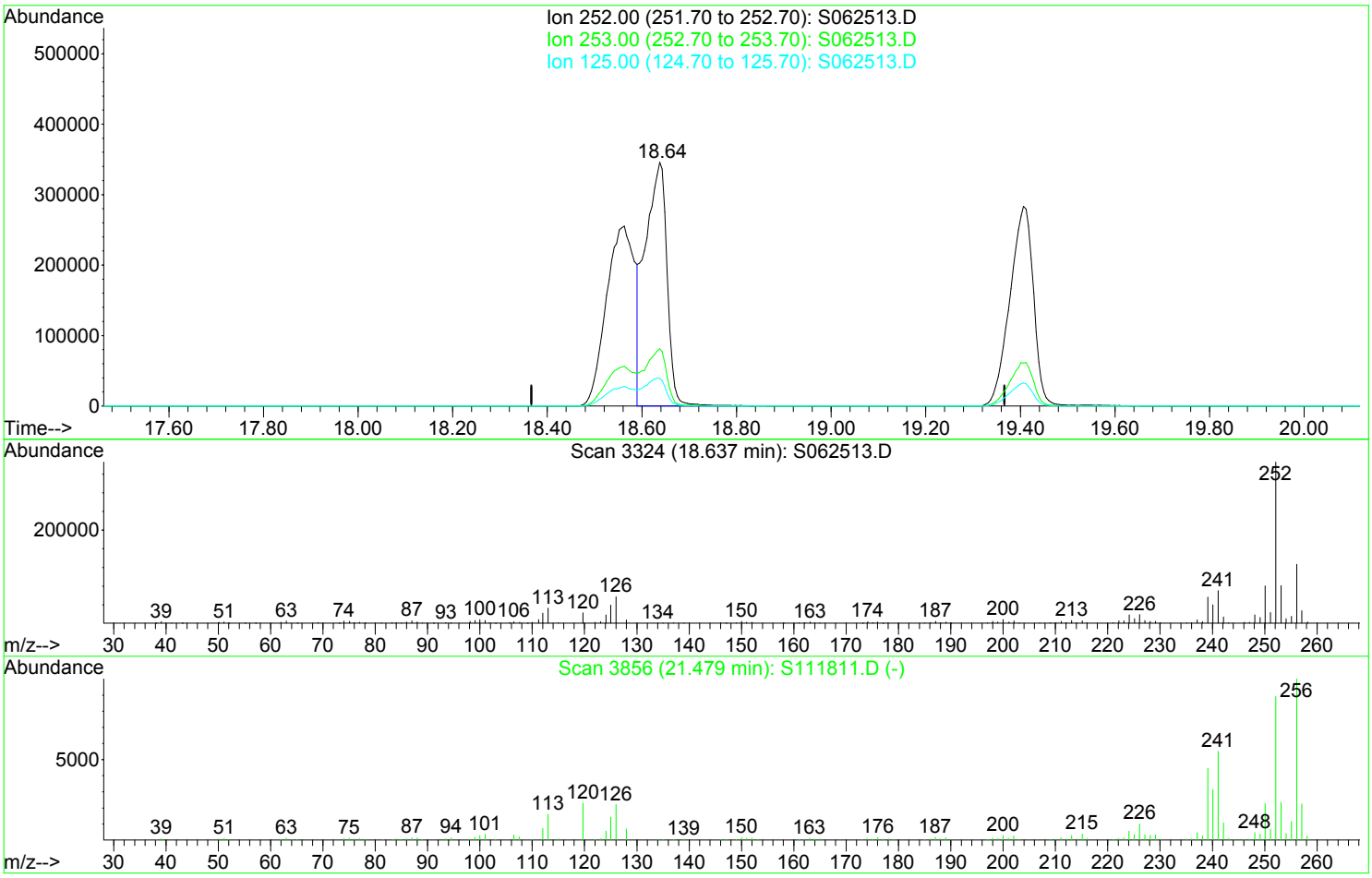
response 73059

Ion	Exp%	Act%
265.70	100	100
263.70	61.70	57.89
267.70	63.20	59.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062513.D **Vial: 12**
Acq On : 25 Jun 2004 5:44 pm **Operator: YH**
Sample : BNA120 2238 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:00 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062513.D

(107) Benzo[k]fluoranthene (T)

18.64min 129.01ng m

response 1110842

Ion	Exp%	Act%
252.00	100	100
253.00	23.50	21.10
125.00	12.20	10.34
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	59	-0.09
2		Pyridine	120.000	109.705	8.6	52	-0.05
3	T	2-Picoline	120.000	103.240	14.0	49	-0.13
4	T	Methyl methanesulfonate	120.000	118.493	1.3	56	-0.11
5	S	2-Fluorophenol	120.000	115.242	4.0	53	-0.11
6	T	Ethyl methanesulfonate	120.000	125.927	-4.9	60	-0.09
7		Benzaldehyde	120.000	52.569	56.2#	35	-0.09
8	T	Aniline	120.000	123.419	-2.8	56	-0.09
9	S	Phenol-d5	120.000	132.620	-10.5	63	-0.10
10	CCC	Phenol	120.000	118.764	1.0	56	-0.10
11	T	Bis(2-chloroethyl)ether	120.000	117.564	2.0	56	-0.08
12	T	2-Chlorophenol	120.000	123.556	-3.0	60	-0.09
13	T	1,3-Dichlorobenzene	120.000	121.155	-1.0	60	-0.08
14	CCC	1,4-Dichlorobenzene	120.000	121.382	-1.2	61	-0.09
15	T	1,2-Dichlorobenzene	120.000	123.149	-2.6	61	-0.09
16	T	Benzyl alcohol	120.000	123.182	-2.7	58	-0.10
17	T	Bis(2-chloroisopropyl)ether	120.000	132.957	-10.8	67	-0.09
18	T	2-Methylphenol	120.000	131.662	-9.7	64	-0.10
19	T	4-Methylphenol	240.000	261.319	-8.9	64	-0.10
20	PC	N-Nitrosodi-n-propylamine	120.000	144.623	-20.5	71	-0.08
21	T	N-Nitrosodimethylamine	120.000	111.078	7.4	52	-0.05
22	T	Hexachloroethane	120.000	145.397	-21.2	73	-0.10
23	I	Naphthalene-d8	40.000	40.000	0.0	62	-0.10
24	S	Nitrobenzene-d5	120.000	143.841	-19.9	72	-0.10
25	T	Acetophenone	240.000	266.154	-10.9	68	-0.09
26	M	Nitrobenzene	120.000	141.575	-18.0	74	-0.09
27	T	N-Nitrosopiperidine	120.000	122.259	-1.9	61	-0.09
28	T	Isophorone	120.000	134.814	-12.3	69	-0.10
29	CCC	2-Nitrophenol	120.000	123.239	-2.7	60	-0.10
30	T	2,4-Dimethylphenol	120.000	119.593	0.3	60	-0.10
31	T	Bis(2-chloroethoxy)methane	120.000	122.741	-2.3	62	-0.10
32	CCC	2,4-Dichlorophenol	120.000	126.514	-5.4	63	-0.11
33	T	1,2,4-Trichlorobenzene	120.000	127.239	-6.0	65	-0.10
34	T	Naphthalene	120.000	124.972	-4.1	65	-0.11
35	T	Benzoic acid	120.000	147.086	-22.6	93	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	120.000	126.606	-5.5	65	-0.11
37	T	4-Chloroaniline	120.000	112.294	6.4	57	-0.11
38	CCC	Hexachlorobutadiene	120.000	136.869	-14.1	70	-0.11
39	T	a,a-Dimethylphenethylamine	120.000	151.719	-26.4#	71	0.06
40		Caprolactam	120.000	158.080	-31.7#	75	-0.11
41	CCC	4-Chloro-3-methylphenol	120.000	139.534	-16.3	69	-0.13
42	T	N-Nitrosodi-n-butylamine	120.000	140.076	-16.7	70	-0.11
43	T	2-Methylnaphthalene	120.000	128.063	-6.7	66	-0.12
44	T	1-Methylnaphthalene	120.000	125.298	-4.4	65	-0.12
45	I	Acenaphthene-d10	40.000	40.000	0.0	64	-0.13
46	T	1,2,4,5-Tetrachlorobenzene	120.000	122.647	-2.2	66	-0.12
47	PC	Hexachlorocyclopentadiene	120.000	110.335	8.1	58	-0.12
48	CCC	2,4,6-Trichlorophenol	120.000	122.898	-2.4	63	-0.13
49	T	2,4,5-Trichlorophenol	120.000	125.217	-4.3	65	-0.13
50	S	2-Fluorobiphenyl	120.000	125.856	-4.9	68	-0.12
51		Biphenyl	120.000	130.675	-8.9	71	-0.12
52	T	2-Chloronaphthalene	120.000	132.412	-10.3	72	-0.13
53	T	1-Chloronaphthalene	120.000	117.552	2.0	64	-0.13
54	T	2-Nitroaniline	120.000	160.906	-34.1#	80	-0.13
55	T	3-Nitroaniline	120.000	132.151	-10.1	65	-0.14
56	T	Pentachlorobenzene	120.000	127.940	-6.6	68	-0.14
57	T	4-Nitroaniline	120.000	114.164	4.9	59	-0.14
58	T	2-Naphthylamine	120.000	96.322	19.7	53	-0.14
59	T	1-Naphthylamine	120.000	87.047	27.5#	49	-0.14
60	T	Dimethyl phthalate	120.000	129.604	-8.0	69	-0.12
61	T	Acenaphthylene	120.000	122.993	-2.5	65	-0.13
62	T	2,6-Dinitrotoluene	120.000	130.170	-8.5	66	-0.13
63	CCC	Acenaphthene	120.000	125.115	-4.3	67	-0.13
64	PC	2,4-Dinitrophenol	120.000	80.524	32.9#	39	-0.13
65	T	Dibenzofuran	120.000	123.044	-2.5	65	-0.14
66	PC	4-Nitrophenol	120.000	152.017	-26.7#	75	-0.14
67	M	2,4-Dinitrotoluene	120.000	132.760	-10.6	66	-0.13
68	T	2,3,4,6-Tetrachlorophenol	120.000	116.915	2.6	59	-0.14
69	T	Diethyl phthalate	120.000	147.960	-23.3	78	-0.13
70	T	Fluorene	120.000	134.109	-11.8	71	-0.14

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	120.000	128.805	-7.3	69	-0.14
72	S	2,4,6-Tribromophenol	120.000	139.431	-16.2	70	-0.15
73	I	Phenanthrene-d10	40.000	40.000	0.0	68	-0.15
74	T	4,6-Dinitro-2-methylphenol	120.000	94.723	21.1	53	-0.14
75	T	Azobenzene	120.000	172.605	-43.8#	99	-0.14
76	T	1,2-Diphenylhydrazine	120.000	116.042	3.3	66	-0.14
77	CCC	Diphenylamine	120.000	124.368	-3.6	72	-0.14
78	T	N-Nitrosodiphenylamine	120.000	126.520	-5.4	73	-0.14
79	T	4-Bromophenyl phenyl ether	120.000	120.067	-0.1	68	-0.14
80	T	Phenacetin	120.000	144.784	-20.7	76	-0.14
81	T	Hexachlorobenzene	120.000	122.338	-1.9	71	-0.15
82		Atrazine	120.000	118.152	1.5	67	-0.14
83	T	4-Aminobiphenyl	120.000	98.236	18.1	57	-0.15
84	CCC	Pentachlorophenol	120.000	101.235	15.6	47	-0.15
85	T	Pentachloronitrobenzene	120.000	150.373	-25.3#	84	-0.15
86	T	Pronamide	120.000	136.078	-13.4	76	-0.14
87	T	Phenanthrene	120.000	116.652	2.8	68	-0.15
88	T	Anthracene	120.000	117.001	2.5	67	-0.15
89	T	Carbazole	120.000	120.602	-0.5	68	-0.16
90	T	Di-n-butyl phthalate	120.000	132.533	-10.4	75	-0.14
91	CCC	Fluoranthene	120.000	122.661	-2.2	69	-0.16
92	I	Chrysene-d12	40.000	40.000	0.0	74	-0.17
93	T	Pyrene	120.000	113.369	5.5	70	-0.17
94	S	4-Terphenyl-d14	120.000	116.723	2.7	72	-0.16
95	T	Benzidine	120.000	60.745	49.4#	41	-0.16
96	T	Dimethylaminoazobenzene	120.000	117.289	2.3	70	-0.16
97	T	Butyl benzyl phthalate	120.000	130.598	-8.8	79	-0.15
98	T	Benz(a)anthracene	120.000	120.306	-0.3	73	-0.17
99	T	3,3'-Dichlorobenzidine	120.000	126.513	-5.4	79	-0.17
100	T	Chrysene	120.000	120.692	-0.6	76	-0.17
101	T	Bis(2-ethylhexyl)phthalate	120.000	136.350	-13.6	83	-0.15
102	CCC	Di-n-octyl phthalate	120.000	137.608	-14.7	83	-0.19
103	T	3-Methylcholanthrene	120.000	123.578	-3.0	72	-0.31
104	T	Indeno[1,2,3-cd]pyrene	120.000	117.670	1.9	66	-0.29

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
105	I	Perylene-d12	40.000	40.000	0.0	72	-0.28
106	T	Benzo[b]fluoranthene	120.000	123.737	-3.1	74	-0.22
107	T	Benzo[k]fluoranthene	120.000	129.014	-7.5	78	-0.23
108	CCC	Benzo[a]pyrene	120.000	121.796	-1.5	72	-0.26
109	T	Dibenz(a,j)acridine	120.000	120.158	-0.1	68	-0.32
110	T	Dibenz(a,h)anthracene	120.000	121.528	-1.3	70	-0.30
111	T	Benzo[g,h,i]perylene	120.000	115.801	3.5	66	-0.28

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	59	-0.09
2		Pyridine	1.128	1.031	8.6	52	-0.05
3	T	2-Picoline	1.202	1.034	14.0	49#	-0.13
4	T	Methyl methanesulfonate	0.725	0.716	1.2	56	-0.11
5	S	2-Fluorophenol	1.117	1.073	3.9	53	-0.11
6	T	Ethyl methanesulfonate	0.966	1.014	-5.0	60	-0.09
7		Benzaldehyde	0.855	0.374	56.3#	35#	-0.09
8	T	Aniline	0.749	0.771	-2.9	56	-0.09
9	S	Phenol-d5	1.553	1.717	-10.6	63	-0.10
10	CCC	Phenol	1.647	1.630	1.0	56	-0.10
11	T	Bis(2-chloroethyl)ether	1.060	1.039	2.0	56	-0.08
12	T	2-Chlorophenol	1.350	1.390	-3.0	60	-0.09
13	T	1,3-Dichlorobenzene	1.511	1.525	-0.9	60	-0.08
14	CCC	1,4-Dichlorobenzene	1.570	1.588	-1.1	61	-0.09
15	T	1,2-Dichlorobenzene	1.465	1.504	-2.7	61	-0.09
16	T	Benzyl alcohol	0.859	0.882	-2.7	58	-0.10
17	T	Bis(2-chloroisopropyl)ether	2.197	2.434	-10.8	67	-0.09
18	T	2-Methylphenol	1.051	1.153	-9.7	64	-0.10
19	T	4-Methylphenol	1.272	1.385	-8.9	64	-0.10
20	PC	N-Nitrosodi-n-propylamine	1.051	1.267	-20.6	71	-0.08
21	T	N-Nitrosodimethylamine	0.524	0.485	7.4	52	-0.05
22	T	Hexachloroethane	0.590	0.715	-21.2	73	-0.10
23	I	Naphthalene-d8	1.000	1.000	0.0	62	-0.10
24	S	Nitrobenzene-d5	0.402	0.482	-19.9	72	-0.10
25	T	Acetophenone	0.504	0.559	-10.9	68	-0.09
26	M	Nitrobenzene	0.411	0.485	-18.0	74	-0.09
27	T	N-Nitrosopiperidine	0.177	0.181	-2.3	61	-0.09
28	T	Isophorone	0.722	0.811	-12.3	69	-0.10
29	CCC	2-Nitrophenol	0.197	0.203	-3.0	60	-0.10
30	T	2,4-Dimethylphenol	0.321	0.320	0.3	60	-0.10
31	T	Bis(2-chloroethoxy)methane	0.404	0.413	-2.2	62	-0.10
32	CCC	2,4-Dichlorophenol	0.307	0.324	-5.5	63	-0.11
33	T	1,2,4-Trichlorobenzene	0.346	0.367	-6.1	65	-0.10
34	T	Naphthalene	1.112	1.158	-4.1	65	-0.11
35	T	Benzoic acid	0.073	0.131	-79.5#	93	-0.10

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	T	2,6-Dichlorophenol	0.305	0.322	-5.6	65	-0.11
37	T	4-Chloroaniline	0.441	0.413	6.3	57	-0.11
38	CCC	Hexachlorobutadiene	0.204	0.233	-14.2	70	-0.11
39	T	a,a-Dimethylphenethylamine	0.917	1.160	-26.5#	71	0.06
40		Caprolactam	0.195	0.257	-31.8#	75	-0.11
41	CCC	4-Chloro-3-methylphenol	0.313	0.364	-16.3	69	-0.13
42	T	N-Nitrosodi-n-butylamine	0.339	0.396	-16.8	70	-0.11
43	T	2-Methylnaphthalene	0.737	0.787	-6.8	66	-0.12
44	T	1-Methylnaphthalene	0.739	0.772	-4.5	65	-0.12
45	I	Acenaphthene-d10	1.000	1.000	0.0	64	-0.13
46	T	1,2,4,5-Tetrachlorobenzene	0.596	0.609	-2.2	66	-0.12
47	PC	Hexachlorocyclopentadiene	0.234	0.247	-5.6	58	-0.12
48	CCC	2,4,6-Trichlorophenol	0.376	0.385	-2.4	63	-0.13
49	T	2,4,5-Trichlorophenol	0.417	0.435	-4.3	65	-0.13
50	S	2-Fluorobiphenyl	1.394	1.462	-4.9	68	-0.12
51		Biphenyl	1.683	1.832	-8.9	71	-0.12
52	T	2-Chloronaphthalene	1.161	1.281	-10.3	72	-0.13
53	T	1-Chloronaphthalene	1.137	1.113	2.1	64	-0.13
54	T	2-Nitroaniline	0.342	0.458	-33.9#	80	-0.13
55	T	3-Nitroaniline	0.320	0.353	-10.3	65	-0.14
56	T	Pentachlorobenzene	0.534	0.569	-6.6	68	-0.14
57	T	4-Nitroaniline	0.318	0.330	-3.8	59	-0.14
58	T	2-Naphthylamine	1.124	0.902	19.8	53	-0.14
59	T	1-Naphthylamine	1.154	0.837	27.5#	49#	-0.14
60	T	Dimethyl phthalate	1.317	1.423	-8.0	69	-0.12
61	T	Acenaphthylene	1.632	1.672	-2.5	65	-0.13
62	T	2,6-Dinitrotoluene	0.294	0.319	-8.5	66	-0.13
63	CCC	Acenaphthene	1.159	1.209	-4.3	67	-0.13
64	PC	2,4-Dinitrophenol	0.157	0.125	20.4	39#	-0.13
65	T	Dibenzofuran	1.679	1.722	-2.6	65	-0.14
66	PC	4-Nitrophenol	0.217	0.275	-26.7#	75	-0.14
67	M	2,4-Dinitrotoluene	0.404	0.447	-10.6	66	-0.13
68	T	2,3,4,6-Tetrachlorophenol	0.345	0.336	2.6	59	-0.14
69	T	Diethyl phthalate	1.328	1.637	-23.3	78	-0.13
70	T	Fluorene	1.430	1.598	-11.7	71	-0.14

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	T	4-Chlorophenyl phenyl ether	0.690	0.741	-7.4	69	-0.14
72	S	2,4,6-Tribromophenol	0.202	0.234	-15.8	70	-0.15
73	I	Phenanthrene-d10	1.000	1.000	0.0	68	-0.15
74	T	4,6-Dinitro-2-methylphenol	0.140	0.131	6.4	53	-0.14
75	T	Azobenzene	0.755	1.086	-43.8#	99	-0.14
76	T	1,2-Diphenylhydrazine	0.222	0.214	3.6	66	-0.14
77	CCC	Diphenylamine	0.152	0.158	-3.9	72	-0.14
78	T	N-Nitrosodiphenylamine	0.756	0.797	-5.4	73	-0.14
79	T	4-Bromophenyl phenyl ether	0.232	0.232	0.0	68	-0.14
80	T	Phenacetin	0.348	0.420	-20.7	76	-0.14
81	T	Hexachlorobenzene	0.238	0.243	-2.1	71	-0.15
82		Atrazine	0.234	0.230	1.7	67	-0.14
83	T	4-Aminobiphenyl	0.778	0.637	18.1	57	-0.15
84	CCC	Pentachlorophenol	0.129	0.109	15.5	47#	-0.15
85	T	Pentachloronitrobenzene	0.101	0.126	-24.8	84	-0.15
86	T	Pronamide	0.335	0.380	-13.4	76	-0.14
87	T	Phenanthrene	1.187	1.154	2.8	68	-0.15
88	T	Anthracene	1.178	1.148	2.5	67	-0.15
89	T	Carbazole	1.094	1.100	-0.5	68	-0.16
90	T	Di-n-butyl phthalate	1.282	1.416	-10.5	75	-0.14
91	CCC	Fluoranthene	1.356	1.386	-2.2	69	-0.16
92	I	Chrysene-d12	1.000	1.000	0.0	74	-0.17
93	T	Pyrene	1.334	1.261	5.5	70	-0.17
94	S	4-Terphenyl-d14	0.963	0.937	2.7	72	-0.16
95	T	Benzidine	0.499	0.252	49.5#	41#	-0.16
96	T	Dimethylaminoazobenzene	0.287	0.281	2.1	70	-0.16
97	T	Butyl benzyl phthalate	0.574	0.625	-8.9	79	-0.15
98	T	Benz(a)anthracene	1.322	1.325	-0.2	73	-0.17
99	T	3,3'-Dichlorobenzidine	0.476	0.502	-5.5	79	-0.17
100	T	Chrysene	1.267	1.274	-0.6	76	-0.17
101	T	Bis(2-ethylhexyl)phthalate	0.810	0.920	-13.6	83	-0.15
102	CCC	Di-n-octyl phthalate	1.451	1.664	-14.7	83	-0.19
103	T	3-Methylcholanthrene	0.618	0.637	-3.1	72	-0.31
104	T	Indeno[1,2,3-cd]pyrene	1.352	1.325	2.0	66	-0.29

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40625\S062513.D Vial: 12
Acq On : 25 Jun 2004 5:44 pm Operator: YH
Sample : BNA120 2238 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
105	I	Perylene-d12	1.000	1.000	0.0	72	-0.28
106	T	Benzo[b]fluoranthene	1.637	1.688	-3.1	74	-0.22
107	T	Benzo[k]fluoranthene	1.656	1.780	-7.5	78	-0.23
108	CCC	Benzo[a]pyrene	1.547	1.570	-1.5	72	-0.26
109	T	Dibenz(a,j)acridine	1.387	1.389	-0.1	68	-0.32
110	T	Dibenz(a,h)anthracene	1.580	1.601	-1.3	70	-0.30
111	T	Benzo[g,h,i]perylene	1.691	1.631	3.5	66	-0.28

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.19	152	45476	40.00	ng	-0.09
23) Naphthalene-d8	5.51	136	183538	40.00	ng	-0.11
45) Acenaphthene-d10	7.96	164	114395	40.00	ng	-0.14
73) Phenanthrene-d10	10.66	188	212366	40.00	ng	-0.17
92) Chrysene-d12	16.14	240	231905	40.00	ng	-0.19
105) Perylene-d12	19.53	264	225861	40.00	ng	-0.30
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	110122	86.68	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 86.68%			
9) Phenol-d5	4.02	99	157666	89.27	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 89.27%			
24) Nitrobenzene-d5	4.78	82	95849	51.94	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 103.88%			
50) 2-Fluorobiphenyl	6.93	172	189648	47.57	ng	-0.13
Spiked Amount 50.000	Range 43 - 116		Recovery = 95.14%			
72) 2,4,6-Tribromophenol	9.40	330	60633	105.16	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 105.16%			
94) 4-Terphenyl-d14	14.03	244	269279	48.22	ng	-0.17
Spiked Amount 50.000	Range 33 - 141		Recovery = 96.44%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D.	
41) 4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D.	
44) 1-Methylnaphthalene	0.00	142	0	N.D.	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:57:53 2004 Quant Results File: B022704.RES

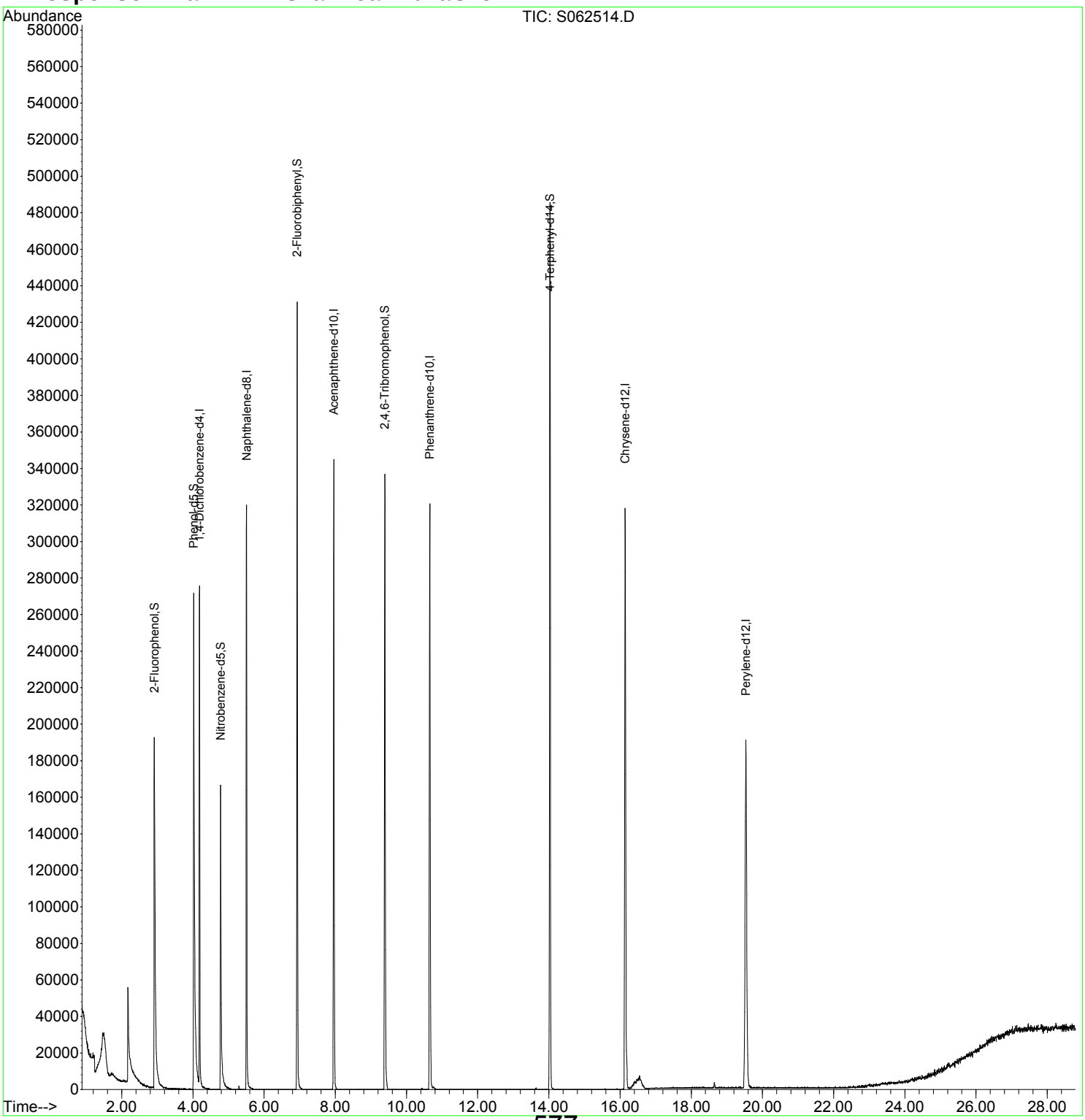
Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:04 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

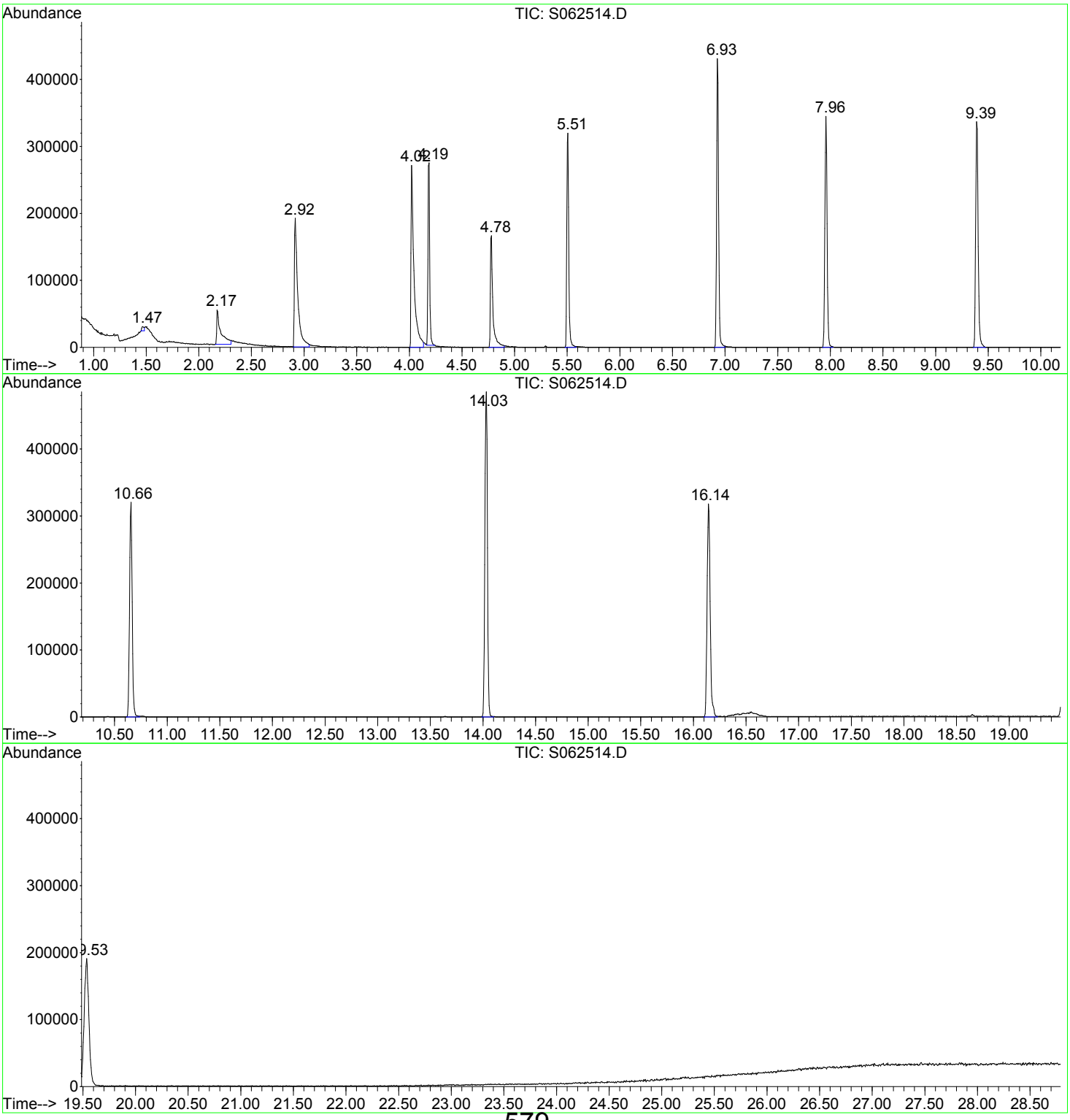
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.467	107	110	113	rBV2	6225	9797	1.20%	0.155%
2	2.173	239	242	267	rBV	51284	139379	17.01%	2.211%
3	2.915	378	381	406	rBV	192081	422454	51.55%	6.701%
4	4.021	585	588	609	rBV	271890	520223	63.49%	8.252%
5	4.187	615	619	628	rVB	272452	304820	37.20%	4.835%
6	4.780	726	730	753	rBV	166742	273262	33.35%	4.335%
7	5.506	861	866	880	rBV	320034	403835	49.28%	6.406%
8	6.927	1127	1132	1145	rBV	431243	562091	68.59%	8.916%
9	7.958	1319	1325	1337	rBV	344991	497462	60.71%	7.891%
10	9.390	1587	1593	1608	rBB	336980	551108	67.25%	8.742%
11	10.656	1822	1830	1845	rBV2	320690	555272	67.76%	8.808%
12	14.032	2454	2462	2475	rBV2	485634	819438	100.00%	12.998%
13	16.143	2849	2857	2873	rBV2	318217	648027	79.08%	10.279%
14	19.535	3478	3492	3508	rBV2	190366	597075	72.86%	9.471%

Sum of corrected areas: 6304243

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40625\S062514.D
Operator : YH
Acquired : 25 Jun 2004 6:22 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: MB-47086
Misc Info : MBLK 8270_TCL4.2_X
Vial Number: 13
Quant File :B022704.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40625\S062514.D Vial: 13
Acq On : 25 Jun 2004 6:22 pm Operator: YH
Sample : MB-47086 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	18.29 ng	139379	1,4-Dichlorobenzene-d4	4.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	91
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 6:22 pm
Data File: D:\MSDCHEM\DATA\S40625\S062514.D
Name: MB-47086
Misc: MBLK 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	18.3	ng	139379	1	4.19	304820	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	46844	40.00	ng		-0.10
23) Naphthalene-d8	5.49	136	184557	40.00	ng		-0.12
45) Acenaphthene-d10	7.94	164	114158	40.00	ng		-0.16
73) Phenanthrene-d10	10.63	188	206059	40.00	ng		-0.19
92) Chrysene-d12	16.12	240	216391	40.00	ng		-0.21
105) Perylene-d12	19.50	264	211569	40.00	ng		-0.34
System Monitoring Compounds							
5) 2-Fluorophenol	2.91	112	100192	76.56	ng		-0.12
Spiked Amount 100.000	Range 21 - 110		Recovery = 76.56%				
9) Phenol-d5	4.01	99	170537	93.74	ng		-0.11
Spiked Amount 100.000	Range 10 - 110		Recovery = 93.74%				
24) Nitrobenzene-d5	4.77	82	94489	50.92	ng		-0.11
Spiked Amount 50.000	Range 34 - 114		Recovery = 101.84%				
50) 2-Fluorobiphenyl	6.92	172	182396	45.85	ng		-0.14
Spiked Amount 50.000	Range 43 - 116		Recovery = 91.70%				
72) 2,4,6-Tribromophenol	9.37	330	56729	98.59	ng		-0.19
Spiked Amount 100.000	Range 10 - 123		Recovery = 98.59%				
94) 4-Terphenyl-d14	14.01	244	243360	46.71	ng		-0.19
Spiked Amount 50.000	Range 33 - 141		Recovery = 93.42%				
Target Compounds							Qvalue
2) Pyridine	0.00	79	0	N.D.			
3) 2-Picoline	0.00	93	0	N.D.			
4) Methyl methanesulfonate	0.00	80	0	N.D.			
6) Ethyl methanesulfonate	0.00	79	0	N.D.			
7) Benzaldehyde	0.00	105	0	N.D.			
8) Aniline	0.00	66	0	N.D.	d		
10) Phenol	4.02	94	163157	84.61	ng	#	97
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d		
12) 2-Chlorophenol	4.05	128	144167	91.19	ng		94
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.	d		
14) 1,4-Dichlorobenzene	4.19	146	166118	90.35	ng		99
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	d		
16) Benzyl alcohol	0.00	108	0	N.D.			
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.			
18) 2-Methylphenol	0.00	107	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	4.65	70	127571	103.62 ng	96
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	5.45	180	147274	92.26 ng	100
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D.	
41) 4-Chloro-3-methylphenol	6.30	107	140837	97.44 ng	92
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D. d	
44) 1-Methylnaphthalene	0.00	142	0	N.D. d	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.			
60) Dimethyl phthalate	0.00	163	0	N.D.	d		
61) Acenaphthylene	0.00	152	0	N.D.	d		
62) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d		
63) Acenaphthene	8.00	154	307181	92.85	ng		100
64) 2,4-Dinitrophenol	0.00	184	0	N.D.			
65) Dibenzofuran	0.00	168	0	N.D.			
66) 4-Nitrophenol	8.46	65	56226	90.59	ng	#	100
67) 2,4-Dinitrotoluene	8.40	165	99957	86.77	ng		98
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.			
69) Diethyl phthalate	0.00	149	0	N.D.			
70) Fluorene	0.00	166	0	N.D.			
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.			
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.			
75) Azobenzene	0.00	77	0	N.D.			
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.			
77) Diphenylamine	0.00	170	0	N.D.	d		
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.			
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.			
80) Phenacetin	0.00	108	0	N.D.			
81) Hexachlorobenzene	0.00	284	0	N.D.			
82) Atrazine	0.00	200	0	N.D.	d		
83) 4-Aminobiphenyl	0.00	169	0	N.D.	d		
84) Pentachlorophenol	10.46	266	36356	54.78	ng		99
85) Pentachloronitrobenzene	0.00	237	0	N.D.			
86) Pronamide	0.00	173	0	N.D.			
87) Phenanthrene	0.00	178	0	N.D.			
88) Anthracene	0.00	178	0	N.D.			
89) Carbazole	0.00	167	0	N.D.			
90) Di-n-butyl phthalate	0.00	149	0	N.D.			
91) Fluoranthene	0.00	202	0	N.D.			
93) Pyrene	13.55	202	669178	92.71	ng		99
95) Benzidine	0.00	184	0	N.D.			
96) Dimethylaminoazobenzene	0.00	225	0	N.D.			
97) Butyl benzyl phthalate	0.00	149	0	N.D.			
98) Benz(a)anthracene	0.00	228	0	N.D.			

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

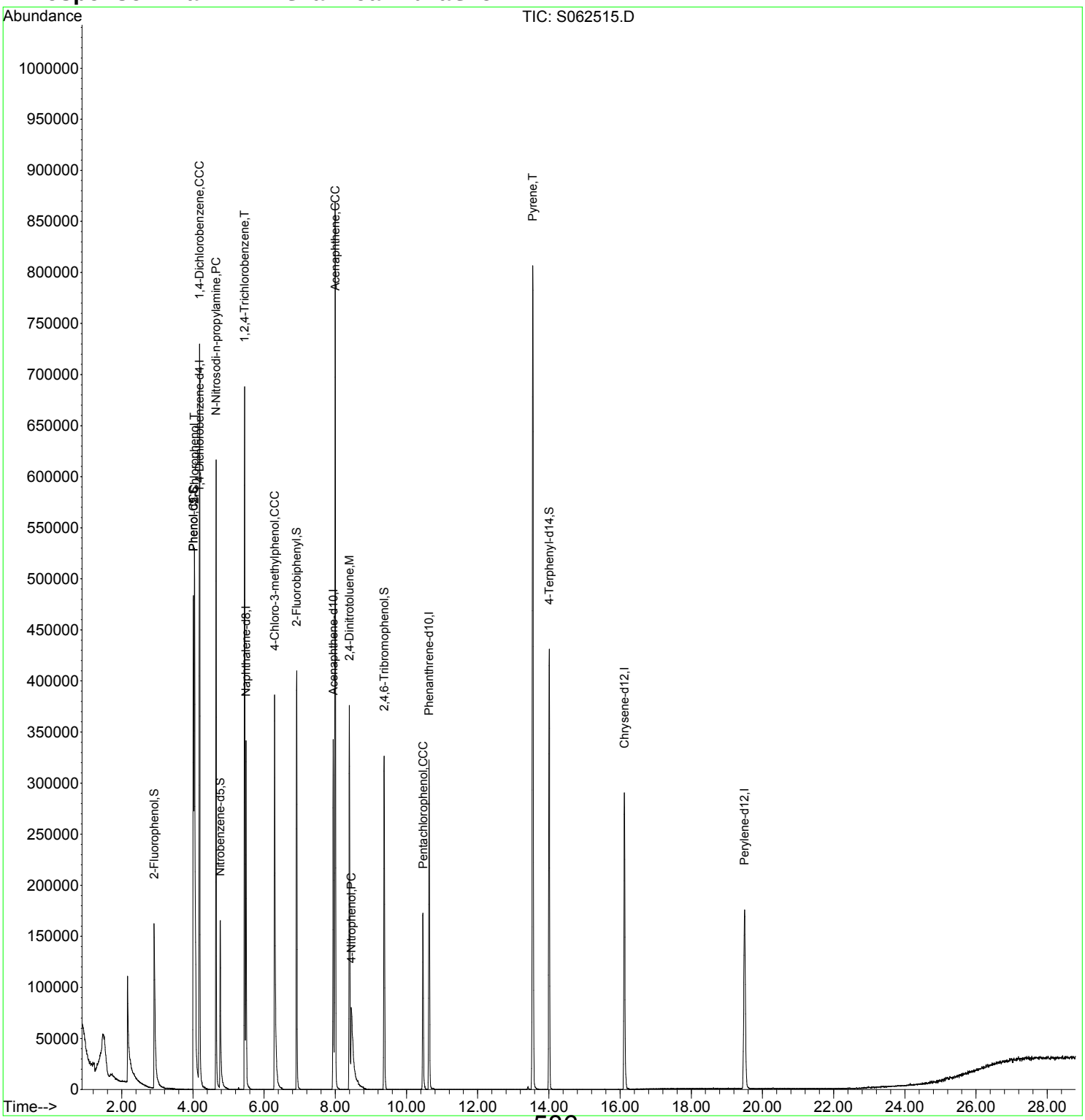
Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:05 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 26 11:58:43 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jun 25 17:57:03 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

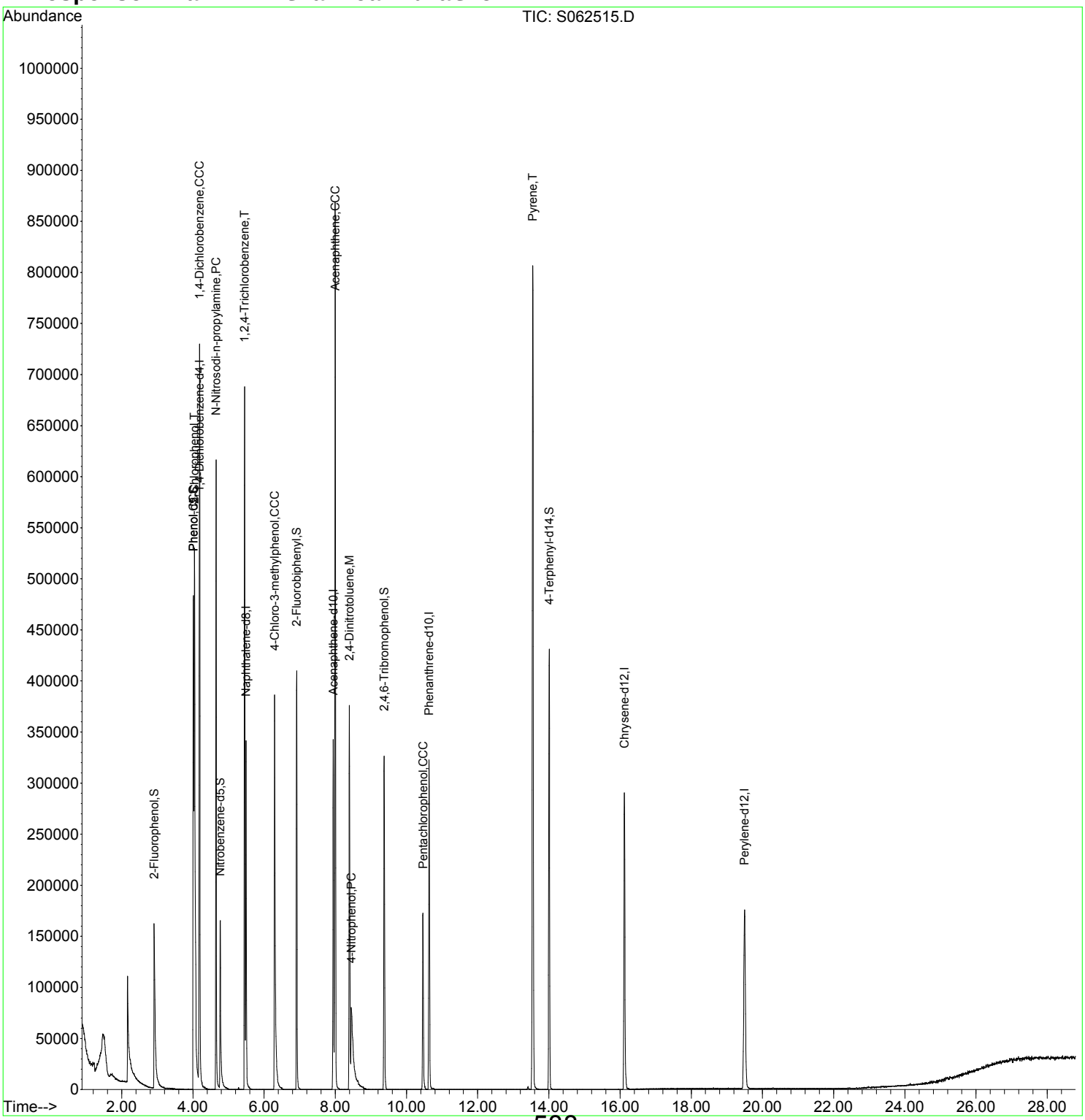
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	46844	40.00	ng	-0.10
23) Naphthalene-d8	5.49	136	184557	40.00	ng	-0.12
45) Acenaphthene-d10	7.94	164	114158	40.00	ng	-0.16
73) Phenanthrene-d10	10.63	188	206059	40.00	ng	-0.19
92) Chrysene-d12	16.12	240	216391	40.00	ng	-0.21
105) Perylene-d12	19.50	264	211569	40.00	ng	-0.34
System Monitoring Compounds						
5) 2-Fluorophenol	2.91	112	100192	76.56	ng	-0.12
Spiked Amount 100.000	Range 21 - 110		Recovery = 76.56%			
9) Phenol-d5	4.01	99	170537	93.74	ng	-0.11
Spiked Amount 100.000	Range 10 - 110		Recovery = 93.74%			
24) Nitrobenzene-d5	4.77	82	94489	50.92	ng	-0.11
Spiked Amount 50.000	Range 34 - 114		Recovery = 101.84%			
50) 2-Fluorobiphenyl	6.92	172	182396	45.85	ng	-0.14
Spiked Amount 50.000	Range 43 - 116		Recovery = 91.70%			
72) 2,4,6-Tribromophenol	9.37	330	56729	98.59	ng	-0.19
Spiked Amount 100.000	Range 10 - 123		Recovery = 98.59%			
94) 4-Terphenyl-d14	14.01	244	243360	46.71	ng	-0.19
Spiked Amount 50.000	Range 33 - 141		Recovery = 93.42%			
Target Compounds						Qvalue
10) Phenol	4.02	94	163157	84.61	ng	# 97
12) 2-Chlorophenol	4.05	128	144167	91.19	ng	94
14) 1,4-Dichlorobenzene	4.19	146	166118	90.35	ng	99
20) N-Nitrosodi-n-propylamine	4.65	70	127571	103.62	ng	96
33) 1,2,4-Trichlorobenzene	5.45	180	147274	92.26	ng	100
41) 4-Chloro-3-methylphenol	6.30	107	140837	97.44	ng	92
63) Acenaphthene	8.00	154	307181	92.85	ng	100
66) 4-Nitrophenol	8.46	65	56226	90.59	ng	# 100
67) 2,4-Dinitrotoluene	8.40	165	99957	86.77	ng	98
84) Pentachlorophenol	10.46	266	36356	54.78	ng	99
93) Pyrene	13.55	202	669178	92.71	ng	99

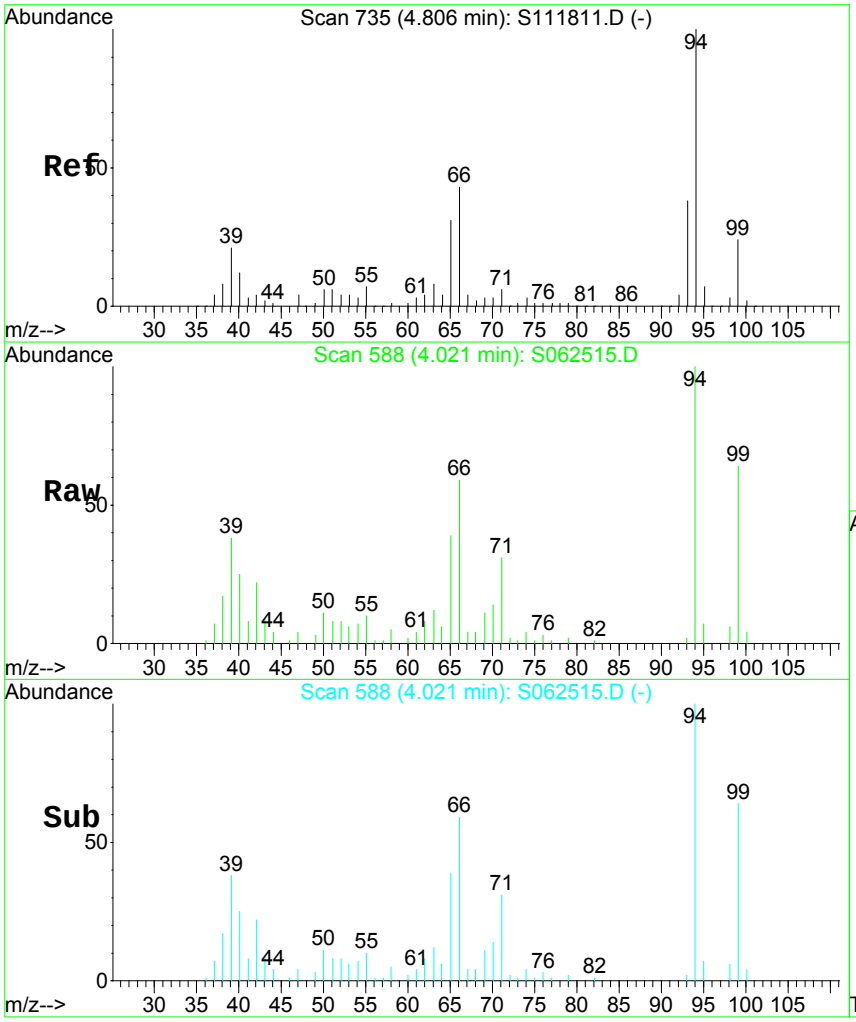
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062515.D Vial: 14
Acq On : 25 Jun 2004 7:00 pm Operator: YH
Sample : LCS-47086 Inst : GC MS9
Misc : LCS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:05 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 30 17:05:15 2004
Response via : Initial Calibration

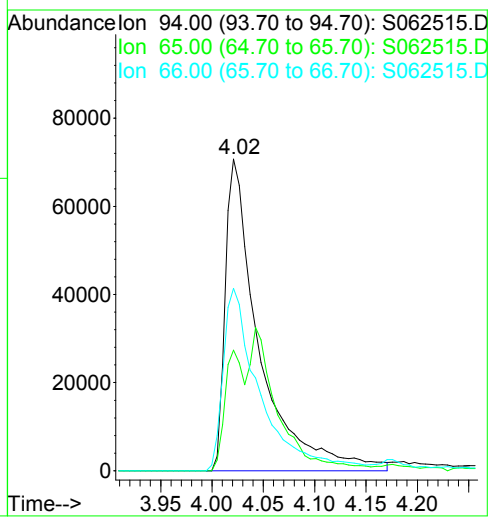


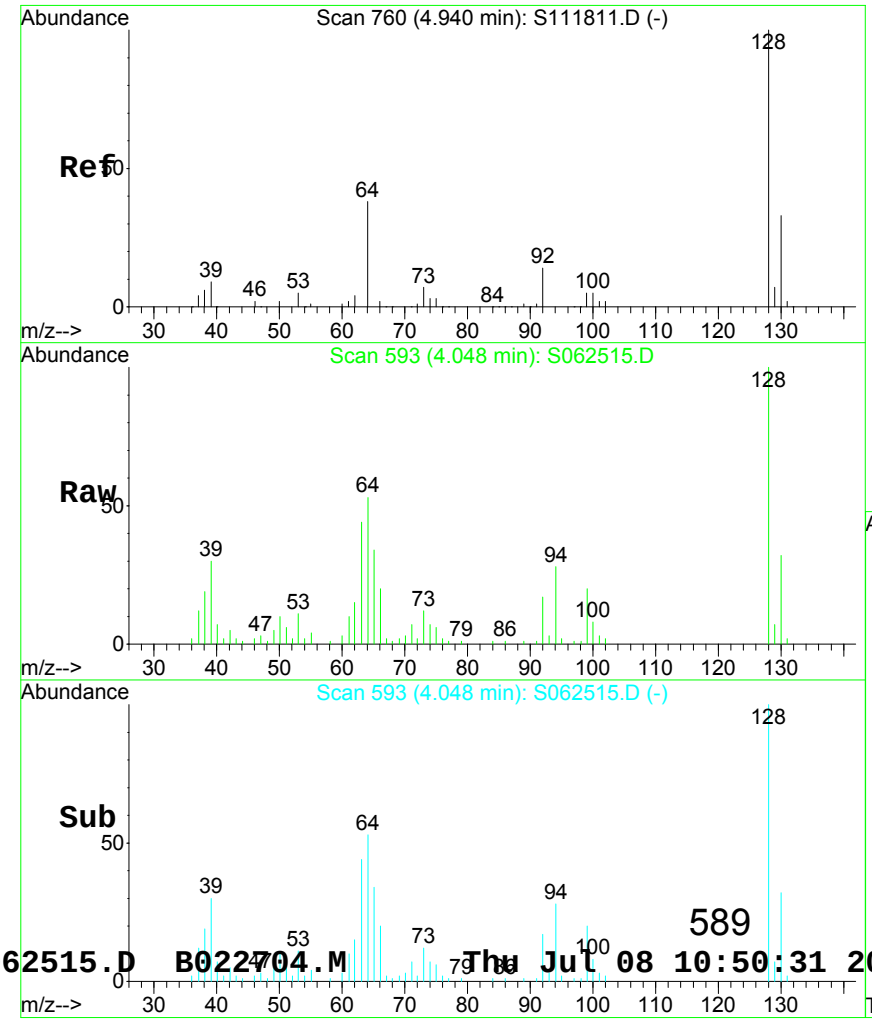


#10
Phenol
Concen: 84.61 ng
RT: 4.02 min Scan# 588
Delta R.T. -0.11 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion: 94 Resp: 163157

Ion	Ratio	Lower	Upper
94	100		
65	21.3	0.0	39.9
66	63.0	0.0	20.0#

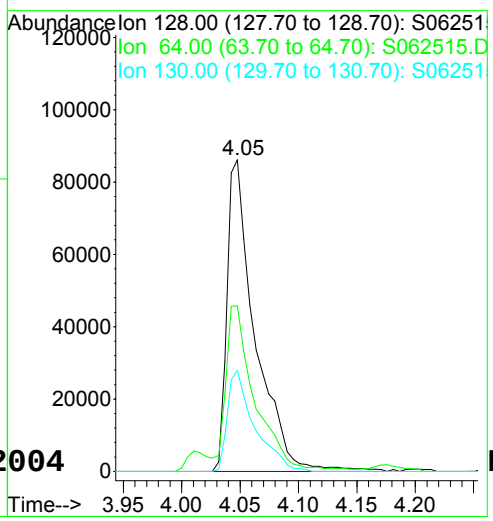


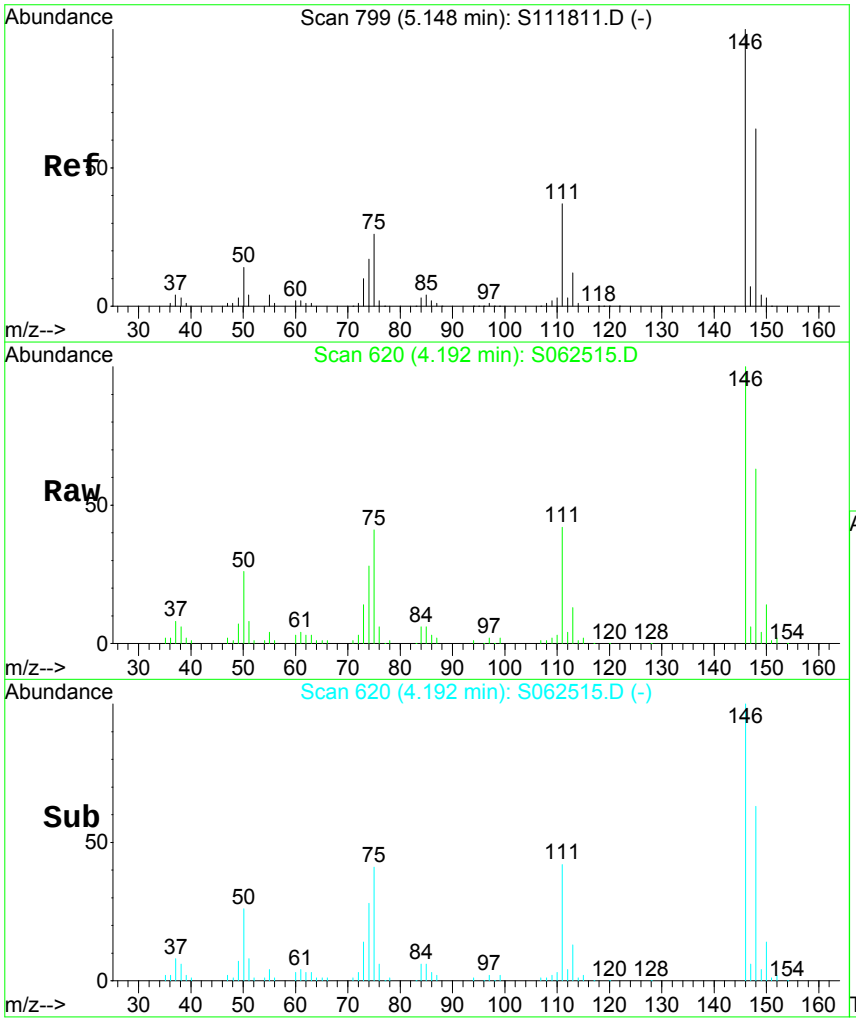


#12
2-Chlorophenol
Concen: 91.19 ng
RT: 4.05 min Scan# 593
Delta R.T. -0.10 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:128 Resp: 144167

Ion	Ratio	Lower	Upper
128	100		
64	53.7	39.7	79.7
130	31.3	11.7	51.7

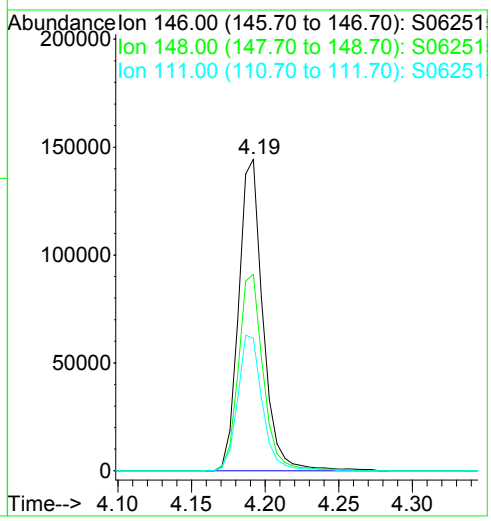


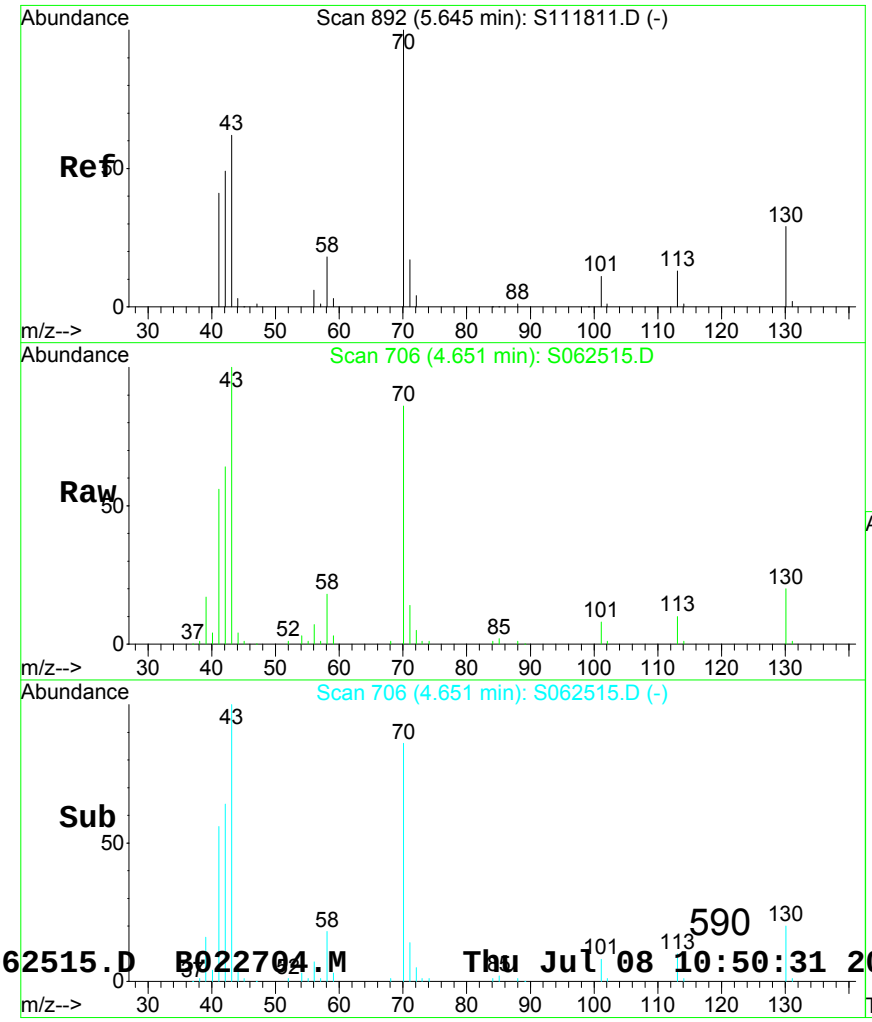


#14
1,4-Dichlorobenzene
Concen: 90.35 ng
RT: 4.19 min Scan# 620
Delta R.T. -0.10 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:146 Resp: 166118

Ion	Ratio	Lower	Upper
146	100		
148	63.9	42.9	82.9
111	44.1	24.9	64.9

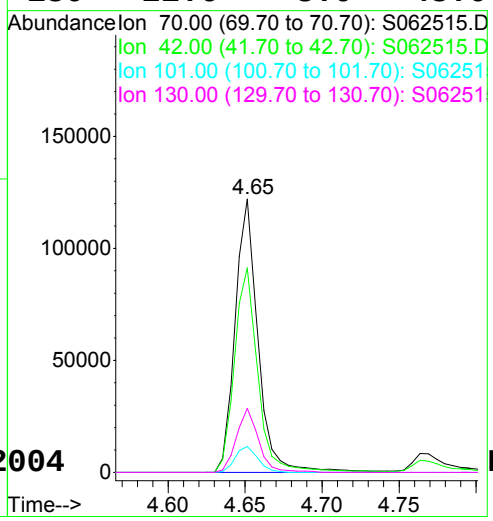


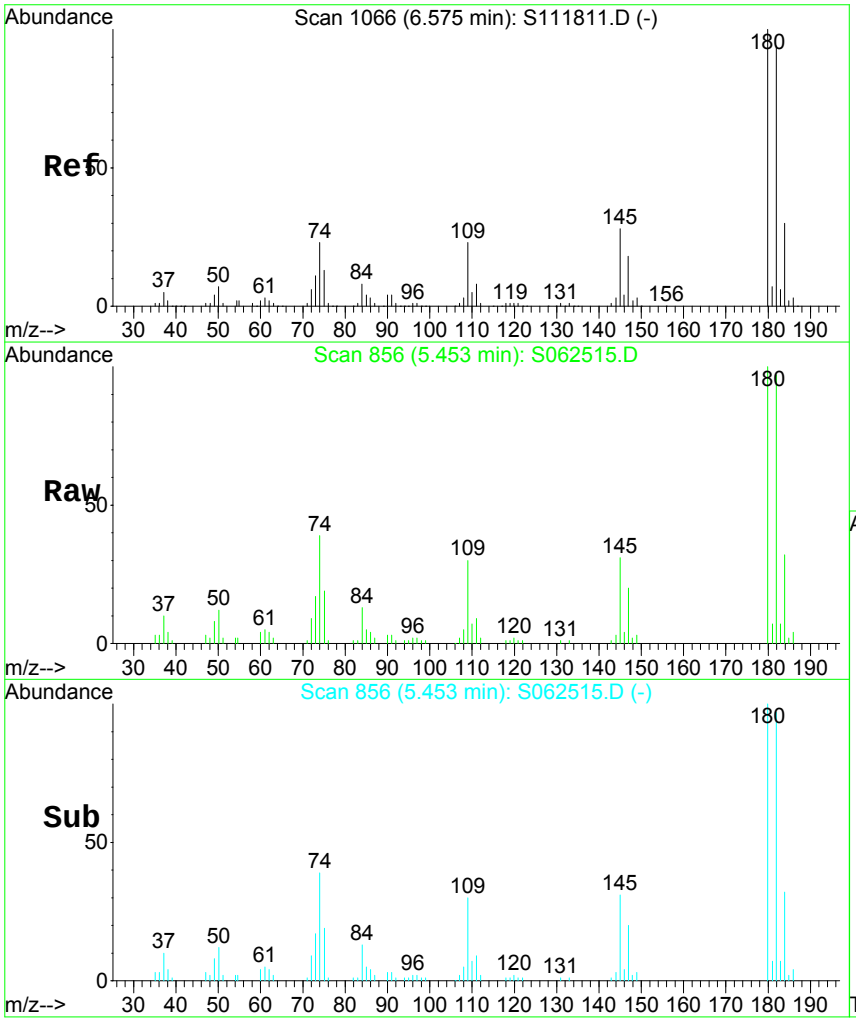


#20
N-Nitrosodi-n-propylamine
Concen: 103.62 ng
RT: 4.65 min Scan# 706
Delta R.T. -0.11 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion: 70 Resp: 127571

Ion	Ratio	Lower	Upper
70	100		
42	76.4	52.4	92.4
101	9.5	0.0	29.7
130	22.6	3.0	43.0

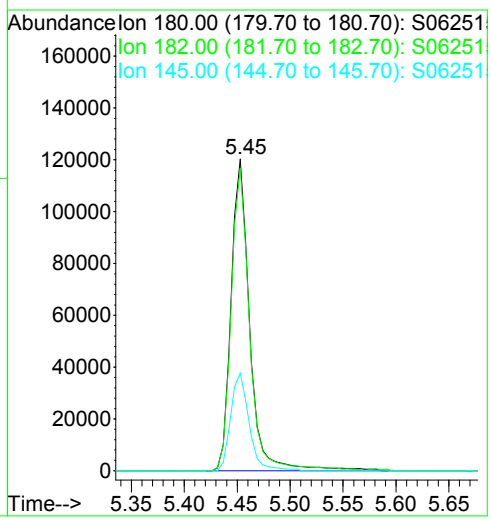


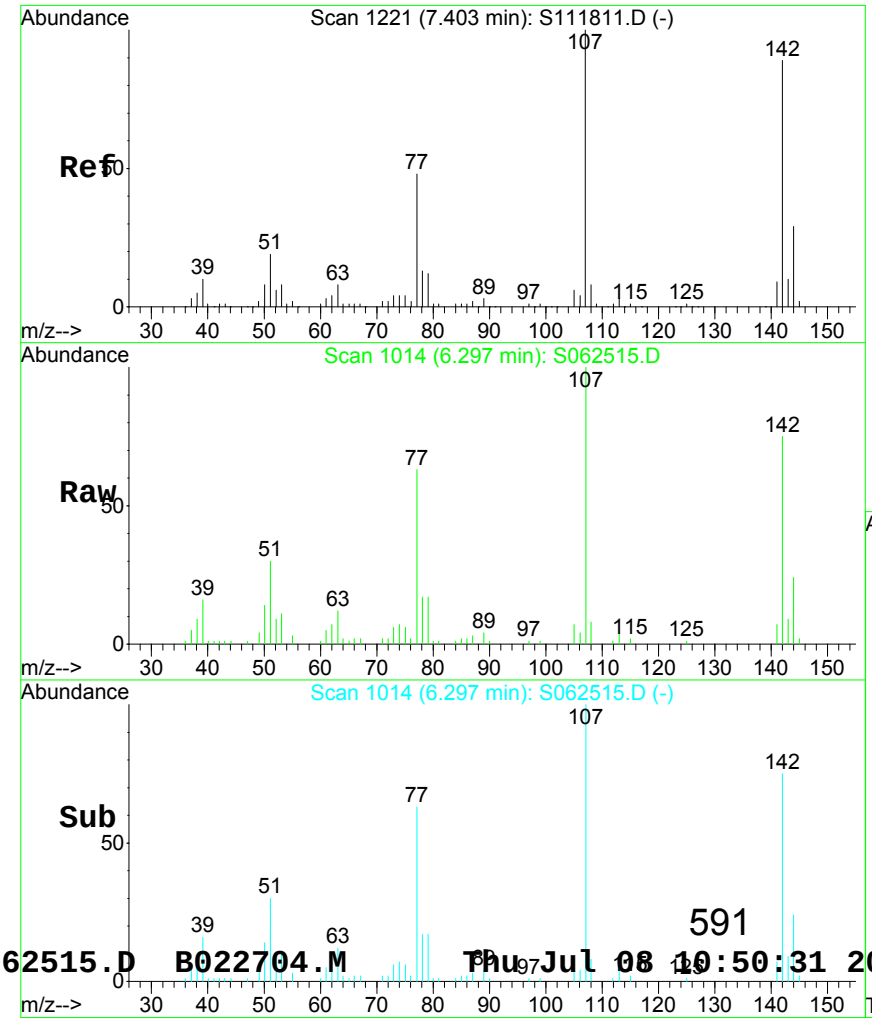


#33
1,2,4-Trichlorobenzene
Concen: 92.26 ng
RT: 5.45 min Scan# 856
Delta R.T. -0.12 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:180 Resp: 147274

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	116.6
145	30.8	11.4	51.4

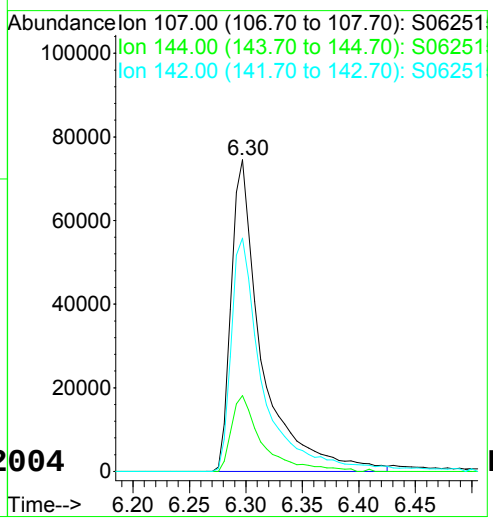


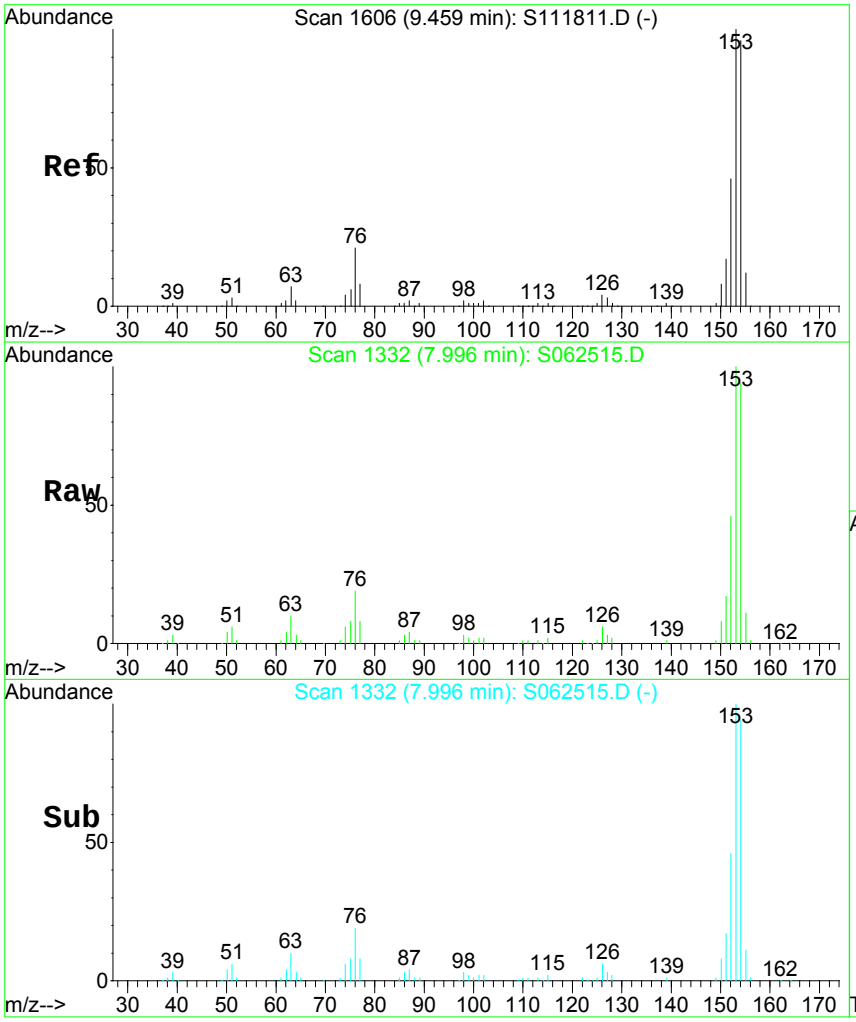


#41
4-Chloro-3-methylphenol
Concen: 97.44 ng
RT: 6.30 min Scan# 1014
Delta R.T. -0.15 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:107 Resp: 140837

Ion	Ratio	Lower	Upper
107	100		
144	24.2	3.4	43.4
142	77.3	48.7	88.7

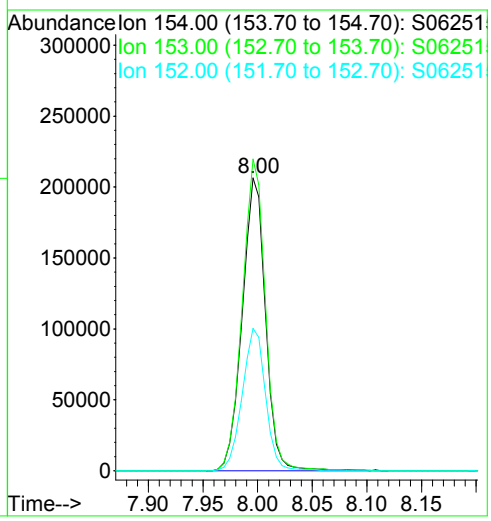


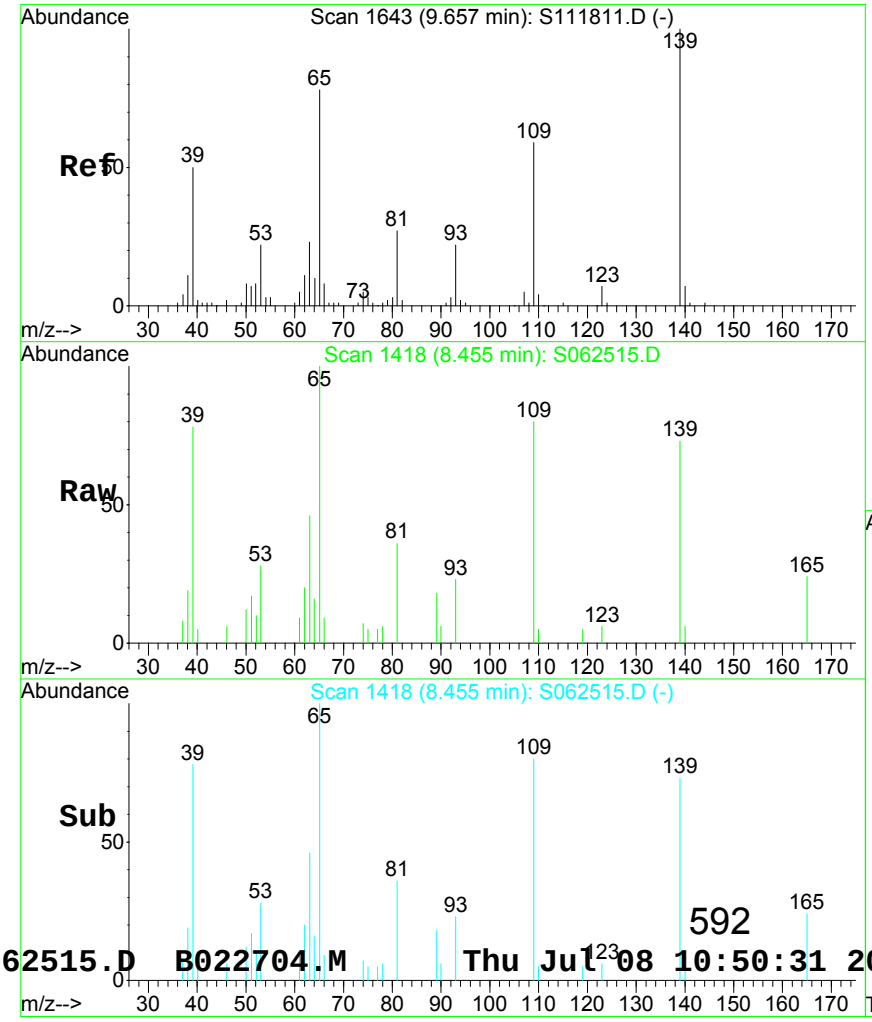


#63
Acenaphthene
Concen: 92.85 ng
RT: 8.00 min Scan# 1332
Delta R.T. -0.16 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:154 Resp: 307181

Ion	Ratio	Lower	Upper
154	100		
153	105.9	86.2	126.2
152	48.4	28.6	68.6

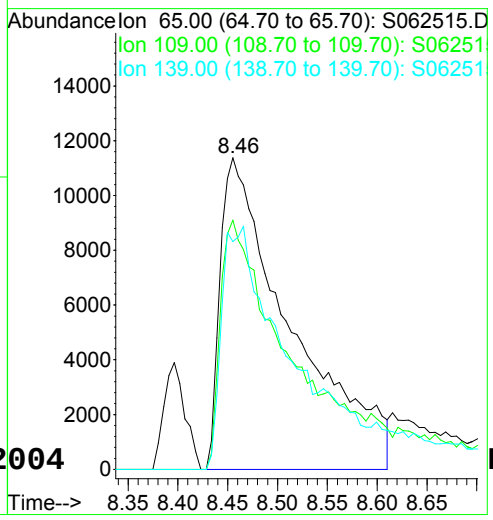


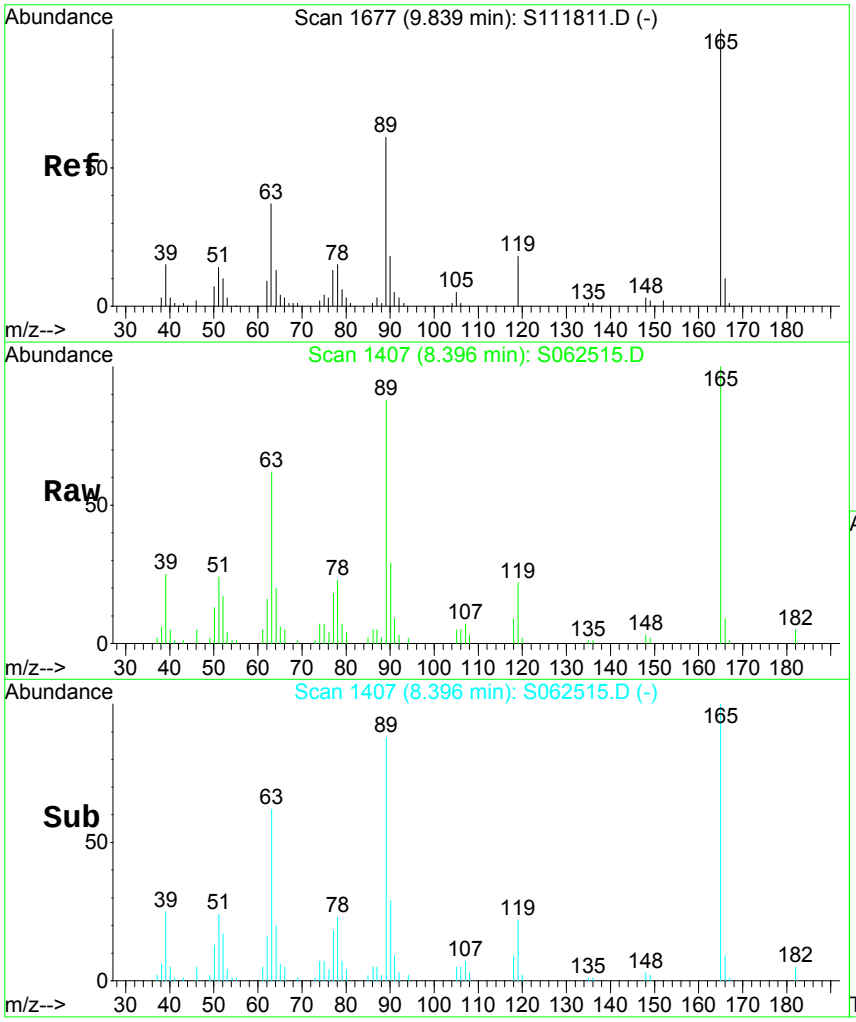


#66
4-Nitrophenol
Concen: 90.59 ng
RT: 8.46 min Scan# 1418
Delta R.T. -0.18 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion: 65 Resp: 56226

Ion	Ratio	Lower	Upper
65	100		
109	75.1	0.0	20.0#
139	62.2	0.0	20.0#

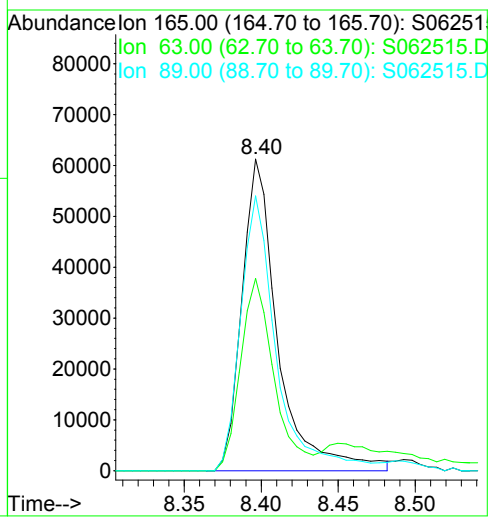


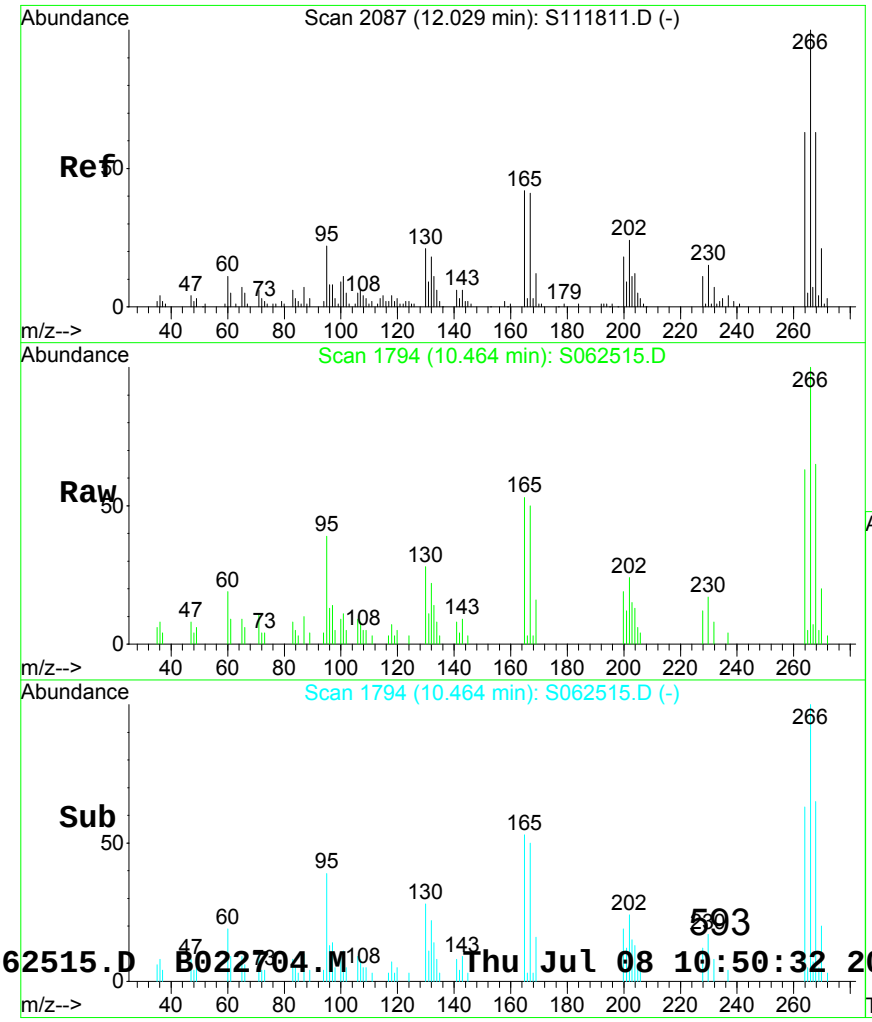


#67
2,4-Dinitrotoluene
Concen: 86.77 ng
RT: 8.40 min Scan# 1407
Delta R.T. -0.17 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:165 Resp: 99957

Ion	Ratio	Lower	Upper
165	100		
63	57.5	37.5	77.5
89	87.0	63.3	103.3

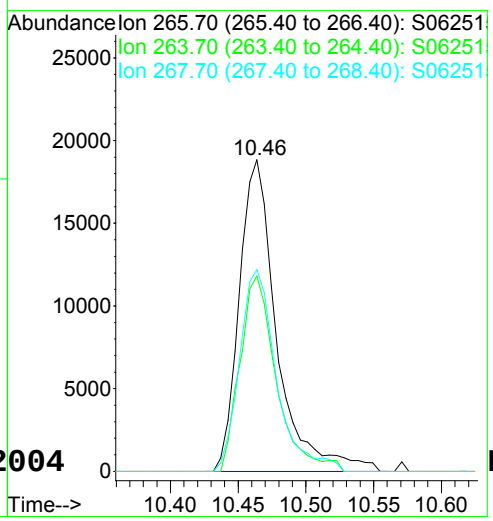


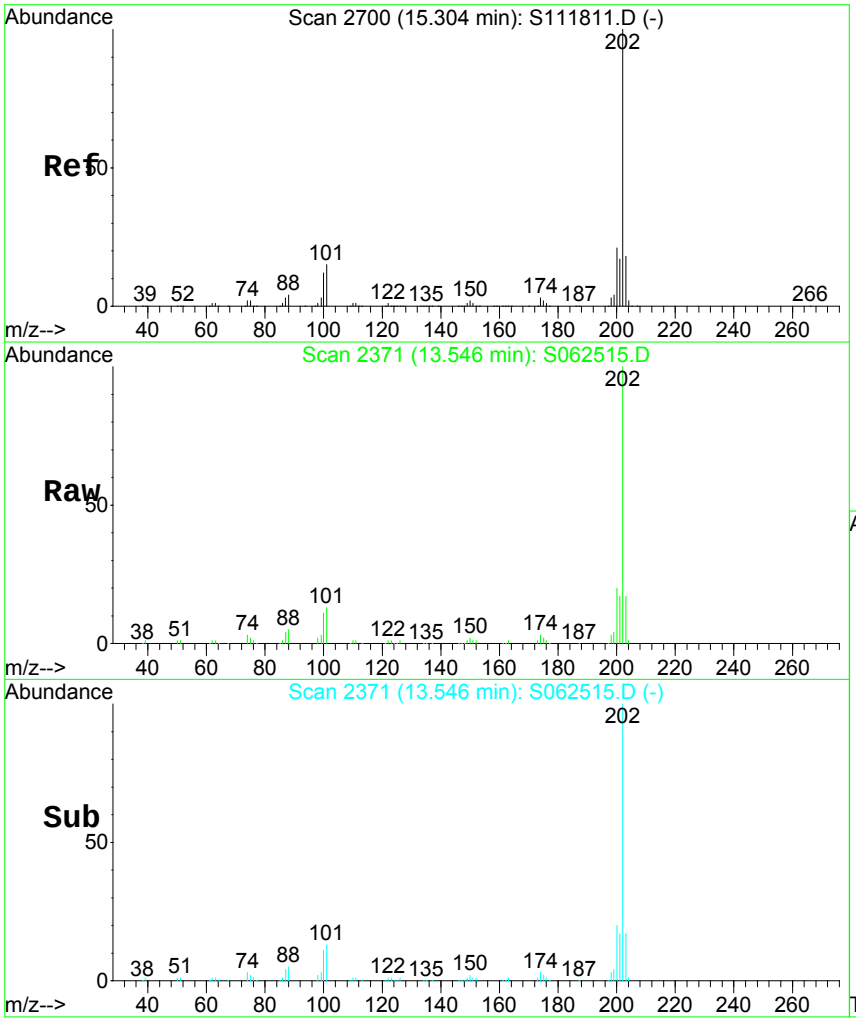


#84
Pentachlorophenol
Concen: 54.78 ng
RT: 10.46 min Scan# 1794
Delta R.T. -0.20 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:266 Resp: 36356

Ion	Ratio	Lower	Upper
266	100		
264	60.6	41.7	81.7
268	63.7	43.2	83.2

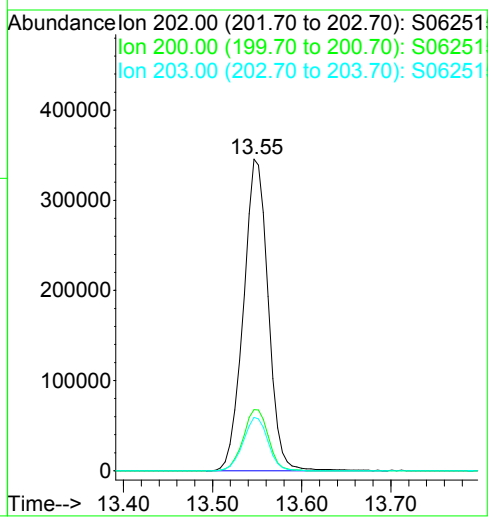




#93
Pyrene
Concen: 92.71 ng
RT: 13.55 min Scan# 2371
Delta R.T. -0.20 min
Lab File: S062515.D
Acq: 25 Jun 2004 7:00 pm

Tgt Ion:202 Resp: 669178

Ion	Ratio	Lower	Upper
202	100		
200	19.9	0.1	40.1
203	17.1	0.0	37.7



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:06:22 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	51600	40.00	ng	-0.09
23) Naphthalene-d8	5.51	136	202979	40.00	ng	-0.11
45) Acenaphthene-d10	7.96	164	126985	40.00	ng	-0.14
73) Phenanthrene-d10	10.65	188	228302	40.00	ng	-0.18
92) Chrysene-d12	16.14	240	249895	40.00	ng	-0.19
105) Perylene-d12	19.53	264	245053	40.00	ng	-0.31
System Monitoring Compounds						
5) 2-Fluorophenol	2.91	112	87283	60.55	ng	-0.12
Spiked Amount 100.000	Range 21 - 110		Recovery = 60.55%			
9) Phenol-d5	4.02	99	122202	60.98	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 60.98%			
24) Nitrobenzene-d5	4.78	82	77046	37.75	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 75.50%			
50) 2-Fluorobiphenyl	6.93	172	163311	36.90	ng	-0.13
Spiked Amount 50.000	Range 43 - 116		Recovery = 73.80%			
72) 2,4,6-Tribromophenol	9.39	330	47313	73.92	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 73.92%			
94) 4-Terphenyl-d14	14.03	244	222092	36.91	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 73.82%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:06:22 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D.	d
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D.	d
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:06:22 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:06:22 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

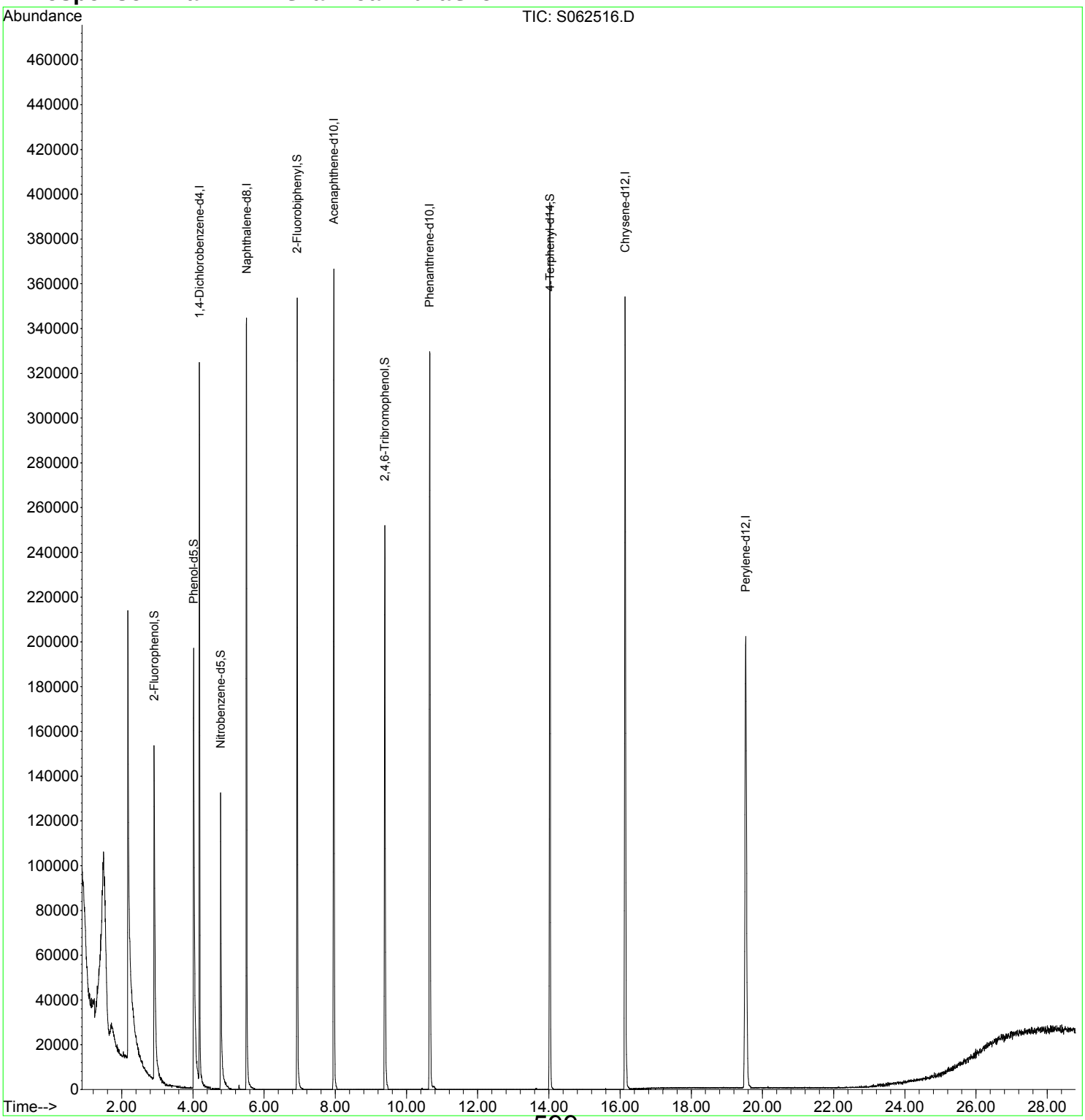
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:06 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

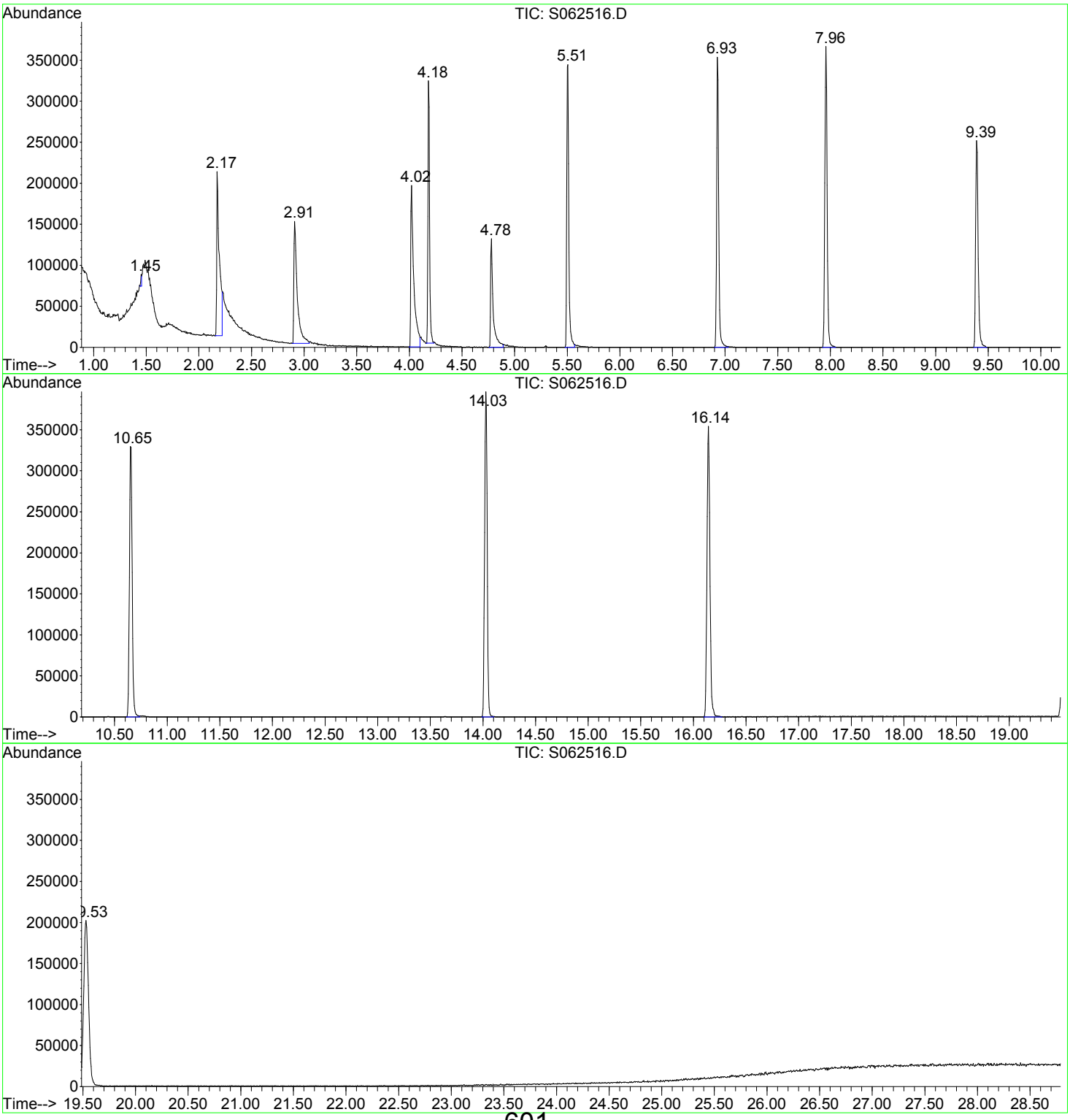
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.451	105	107	108	rBV2	14290	10084	1.46%	0.164%
2	2.173	239	242	251	rBV	199711	353497	51.19%	5.756%
3	2.910	376	380	406	rBV	148641	324250	46.96%	5.279%
4	4.021	584	588	603	rBV	196570	383319	55.51%	6.241%
5	4.181	614	618	628	rBV	319559	338113	48.97%	5.505%
6	4.780	726	730	751	rBV	132558	222073	32.16%	3.616%
7	5.506	861	866	878	rBV	344660	454766	65.86%	7.404%
8	6.927	1127	1132	1151	rBV	353697	475324	68.84%	7.739%
9	7.958	1319	1325	1341	rBB	366677	555347	80.43%	9.042%
10	9.390	1588	1593	1610	rBB2	251973	421135	60.99%	6.857%
11	10.651	1822	1829	1845	rBV2	329633	596991	86.46%	9.720%
12	14.027	2454	2461	2475	rBV	396336	664133	96.18%	10.813%
13	16.142	2849	2857	2880	rBB	354179	690514	100.00%	11.243%
14	19.529	3477	3491	3511	rBV3	201721	652208	94.45%	10.619%

Sum of corrected areas: 6141754

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40625\S062516.D
Operator : YH
Acquired : 25 Jun 2004 7:37 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0406C14-001D 47086
Misc Info : SAMP 8270_TCL4.2_X
Vial Number: 15
Quant File :B022704.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40625\S062516.D Vial: 15
Acq On : 25 Jun 2004 7:37 pm Operator: YH
Sample : 0406C14-001D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	41.82 ng	353497	1,4-Dichlorobenzene-d4	4.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	81
2	Methylene Chloride	84	CH2Cl2	000075-09-2	81
3	Methylene Chloride	84	CH2Cl2	000075-09-2	74
4	Methylene Chloride	84	CH2Cl2	000075-09-2	64
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 7:37 pm
Data File: D:\MSDCHEM\DATA\S40625\S062516.D
Name: 0406C14-001D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	41.8	ng	353497	1	4.18	338113	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D Vial: 16
Acq On : 25 Jun 2004 8:15 pm Operator: YH
Sample : 0406C14-001DMS 47086 Inst : GC MS9
Misc : MS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:07:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	48839	40.00	ng	-0.09
23) Naphthalene-d8	5.51	136	193821	40.00	ng	-0.11
45) Acenaphthene-d10	7.96	164	114800	40.00	ng	-0.14
73) Phenanthrene-d10	10.65	188	211979	40.00	ng	-0.18
92) Chrysene-d12	16.14	240	222919	40.00	ng	-0.19
105) Perylene-d12	19.53	264	146655	40.00	ng	-0.31
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	82955	60.80	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 60.80%			
9) Phenol-d5	4.02	99	137804	72.65	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 72.65%			
24) Nitrobenzene-d5	4.78	82	82460	42.32	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 84.64%			
50) 2-Fluorobiphenyl	6.93	172	162356	40.58	ng	-0.13
Spiked Amount 50.000	Range 43 - 116		Recovery = 81.16%			
72) 2,4,6-Tribromophenol	9.39	330	48286	83.45	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 83.45%			
94) 4-Terphenyl-d14	14.03	244	216401	40.32	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 80.64%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	4.03	94	143150	71.20	ng #	17
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	4.05	128	126943	77.01	ng	97
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.	d	
14) 1,4-Dichlorobenzene	4.20	146	150079	78.29	ng	99
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.	d	
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D Vial: 16
Acq On : 25 Jun 2004 8:15 pm Operator: YH
Sample : 0406C14-001DMS 47086 Inst : GC MS9
Misc : MS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:07:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	4.66	70	115256	89.79 ng	95
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	5.46	180	135418	80.77 ng	98
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	6.32	107	123117	81.11 ng	92
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D. d	
44)	1-Methylnaphthalene	0.00	142	0	N.D. d	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D Vial: 16
Acq On : 25 Jun 2004 8:15 pm Operator: YH
Sample : 0406C14-001DMS 47086 Inst : GC MS9
Misc : MS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:07:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D. d	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	8.01	154	276103	82.99 ng	100
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	8.55	65	60007m	96.15 ng	
67) 2,4-Dinitrotoluene	8.41	165	89558	77.31 ng	96
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	10.49	266	28619	40.08 ng	92
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	13.57	202	593054	79.76 ng	99
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D Vial: 16
Acq On : 25 Jun 2004 8:15 pm Operator: YH
Sample : 0406C14-001DMS 47086 Inst : GC MS9
Misc : MS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:07:35 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

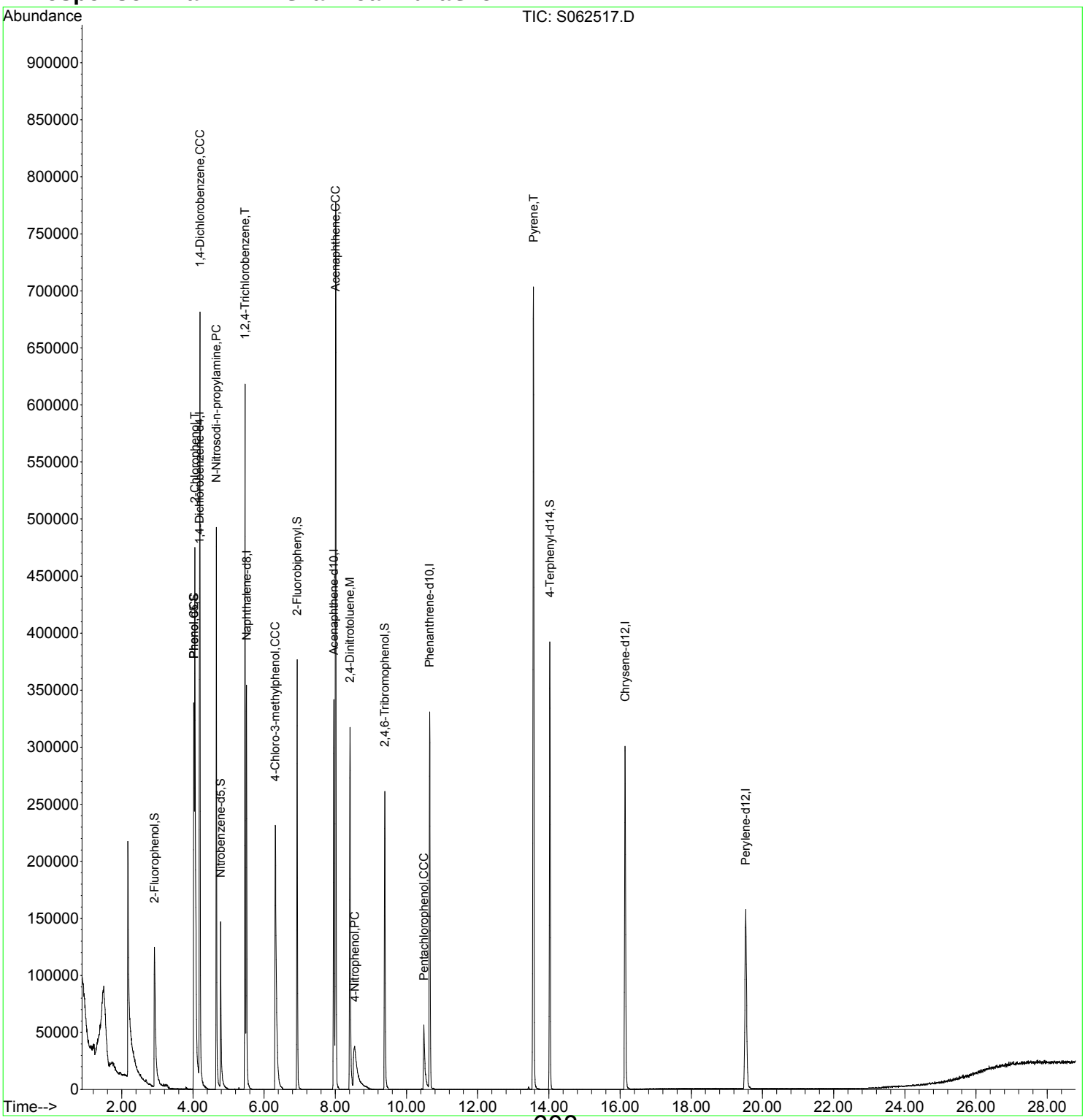
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D Vial: 16
Acq On : 25 Jun 2004 8:15 pm Operator: YH
Sample : 0406C14-001DMS 47086 Inst : GC MS9
Misc : MS 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:42 2004 Quant Results File: B022704.RES

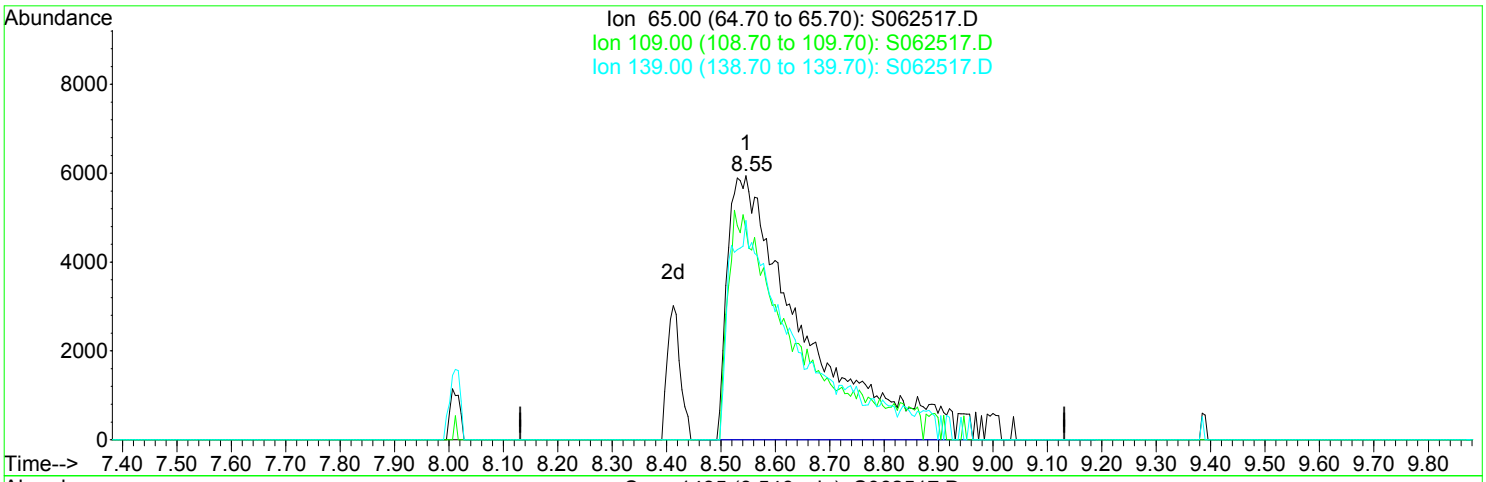
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration

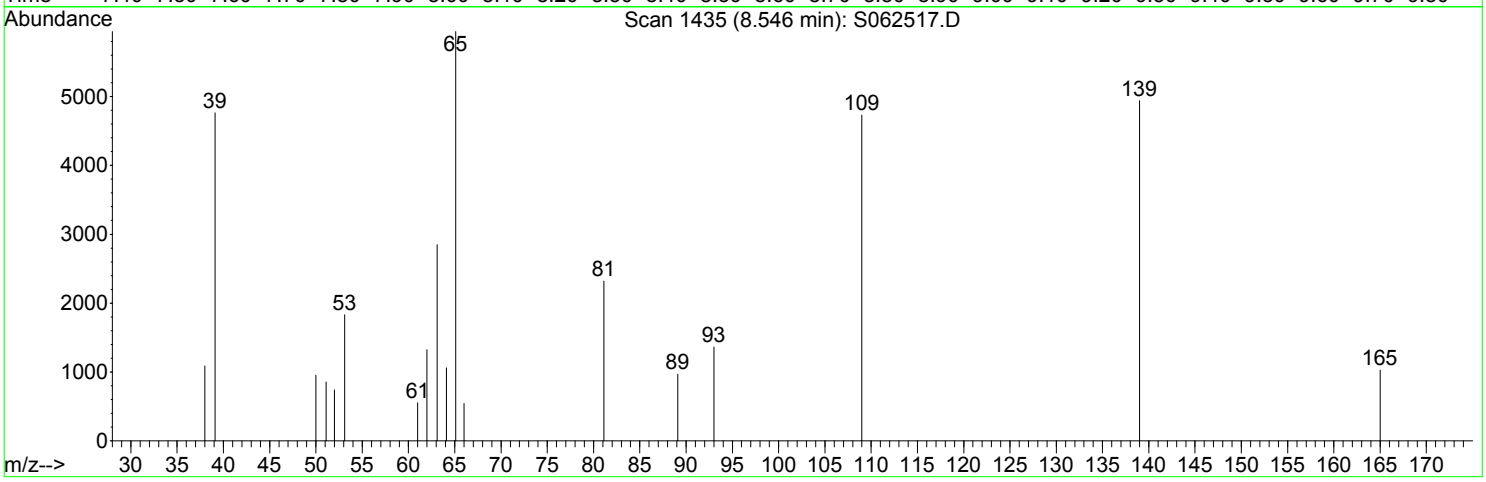


Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062517.D **Vial: 16**
Acq On : 25 Jun 2004 8:15 pm **Operator: YH**
Sample : 0406C14-001DMS 47086 **Inst : GC MS9**
Misc : MS 8270_TCL4.2_X **Multiplr: 1.00**
MS Integration Params: rteint.p
Quant Time: Jun 28 9:42 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title :
Last Update : Mon Oct 15 09:26:34 1990
Response via : Multiple Level Calibration





TIC: S062517.D

(66) 4-Nitrophenol (PC)

8.55min 96.15ng m

response 60007

Ion	Exp%	Act%
65.00	100	100
109.00	0.00	14.18
139.00	0.00	51.71#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D Vial: 17
Acq On : 25 Jun 2004 8:53 pm Operator: YH
Sample : 0406C14-001DMSD 47086 Inst : GC MS9
Misc : MSD 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:09:18 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	50535	40.00	ng	-0.10
23) Naphthalene-d8	5.50	136	192147	40.00	ng	-0.12
45) Acenaphthene-d10	7.95	164	115550	40.00	ng	-0.15
73) Phenanthrene-d10	10.65	188	210987	40.00	ng	-0.18
92) Chrysene-d12	16.13	240	216553	40.00	ng	-0.20
105) Perylene-d12	19.51	264	154203	40.00	ng	-0.33
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	90040	63.78	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 63.78%			
9) Phenol-d5	4.02	99	146152	74.47	ng	-0.11
Spiked Amount 100.000	Range 10 - 110		Recovery = 74.47%			
24) Nitrobenzene-d5	4.77	82	87424	45.26	ng	-0.11
Spiked Amount 50.000	Range 34 - 114		Recovery = 90.52%			
50) 2-Fluorobiphenyl	6.92	172	174104	43.23	ng	-0.14
Spiked Amount 50.000	Range 43 - 116		Recovery = 86.46%			
72) 2,4,6-Tribromophenol	9.38	330	51541	88.50	ng	-0.18
Spiked Amount 100.000	Range 10 - 123		Recovery = 88.50%			
94) 4-Terphenyl-d14	14.02	244	225779	43.30	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 86.60%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D. d		
10) Phenol	4.03	94	141661	68.10	ng	# 7
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	4.05	128	136467	80.01	ng	99
13) 1,3-Dichlorobenzene	0.00	146	0	N.D. d		
14) 1,4-Dichlorobenzene	4.19	146	165043	83.21	ng	99
15) 1,2-Dichlorobenzene	0.00	146	0	N.D. d		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D Vial: 17
Acq On : 25 Jun 2004 8:53 pm Operator: YH
Sample : 0406C14-001DMSD 47086 Inst : GC MS9
Misc : MSD 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:09:18 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19) 4-Methylphenol	0.00	107	0	N.D.	
20) N-Nitrosodi-n-propylamine	4.65	70	119819	90.21 ng	95
21) N-Nitrosodimethylamine	0.00	42	0	N.D.	
22) Hexachloroethane	0.00	117	0	N.D.	
25) Acetophenone	0.00	105	0	N.D.	
26) Nitrobenzene	0.00	77	0	N.D.	
27) N-Nitrosopiperidine	0.00	114	0	N.D.	
28) Isophorone	0.00	82	0	N.D. d	
29) 2-Nitrophenol	0.00	139	0	N.D.	
30) 2,4-Dimethylphenol	0.00	122	0	N.D.	
31) Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32) 2,4-Dichlorophenol	0.00	162	0	N.D.	
33) 1,2,4-Trichlorobenzene	5.46	180	143859	86.56 ng	99
34) Naphthalene	0.00	128	0	N.D.	
35) Benzoic acid	0.00	122	0	N.D.	
36) 2,6-Dichlorophenol	0.00	162	0	N.D.	
37) 4-Chloroaniline	0.00	127	0	N.D.	
38) Hexachlorobutadiene	0.00	225	0	N.D.	
39) a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40) Caprolactam	0.00	55	0	N.D.	
41) 4-Chloro-3-methylphenol	6.31	107	131510	87.39 ng	92
42) N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43) 2-Methylnaphthalene	0.00	142	0	N.D. d	
44) 1-Methylnaphthalene	0.00	142	0	N.D. d	
46) 1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47) Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48) 2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49) 2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51) Biphenyl	0.00	154	0	N.D.	
52) 2-Chloronaphthalene	0.00	162	0	N.D.	
53) 1-Chloronaphthalene	0.00	162	0	N.D.	
54) 2-Nitroaniline	0.00	65	0	N.D.	
55) 3-Nitroaniline	0.00	138	0	N.D.	
56) Pentachlorobenzene	0.00	250	0	N.D.	
57) 4-Nitroaniline	0.00	138	0	N.D.	
58) 2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D Vial: 17
Acq On : 25 Jun 2004 8:53 pm Operator: YH
Sample : 0406C14-001DMSD 47086 Inst : GC MS9
Misc : MSD 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:09:18 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D. d	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	8.00	154	292833	87.45 ng	100
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	8.55	65	63009m	100.30 ng	
67) 2,4-Dinitrotoluene	8.41	165	94413	80.97 ng	93
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D. d	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	10.49	266	34606m	46.92 ng	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	13.56	202	621152	85.99 ng	99
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D Vial: 17
Acq On : 25 Jun 2004 8:53 pm Operator: YH
Sample : 0406C14-001DMSD 47086 Inst : GC MS9
Misc : MSD 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:09:18 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

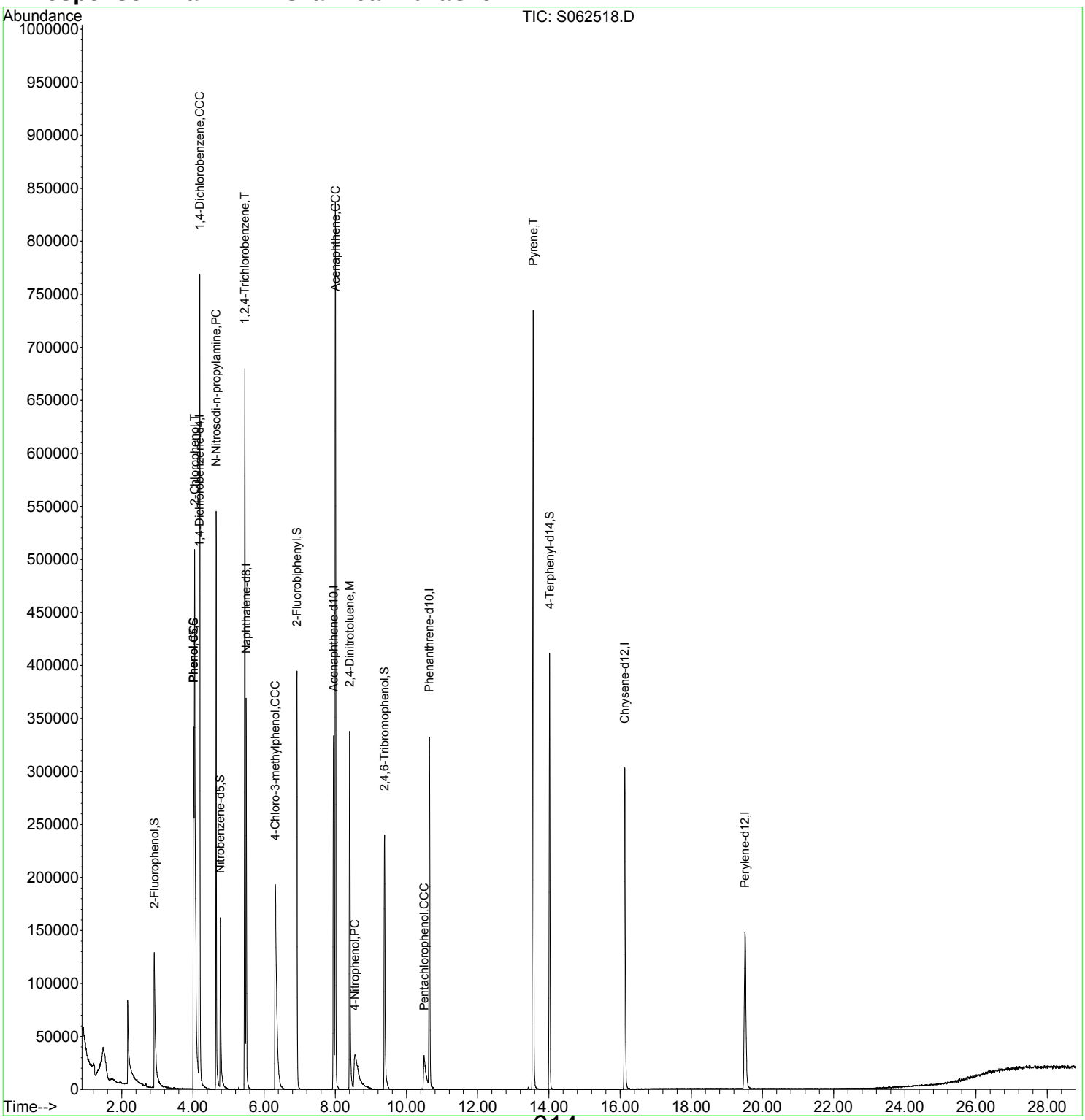
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.	
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.	
108)	Benzo[a]pyrene	0.00	252	0	N.D.	
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D Vial: 17
Acq On : 25 Jun 2004 8:53 pm Operator: YH
Sample : 0406C14-001DMSD 47086 Inst : GC MS9
Misc : MSD 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:10 2004 Quant Results File: B022704.RES

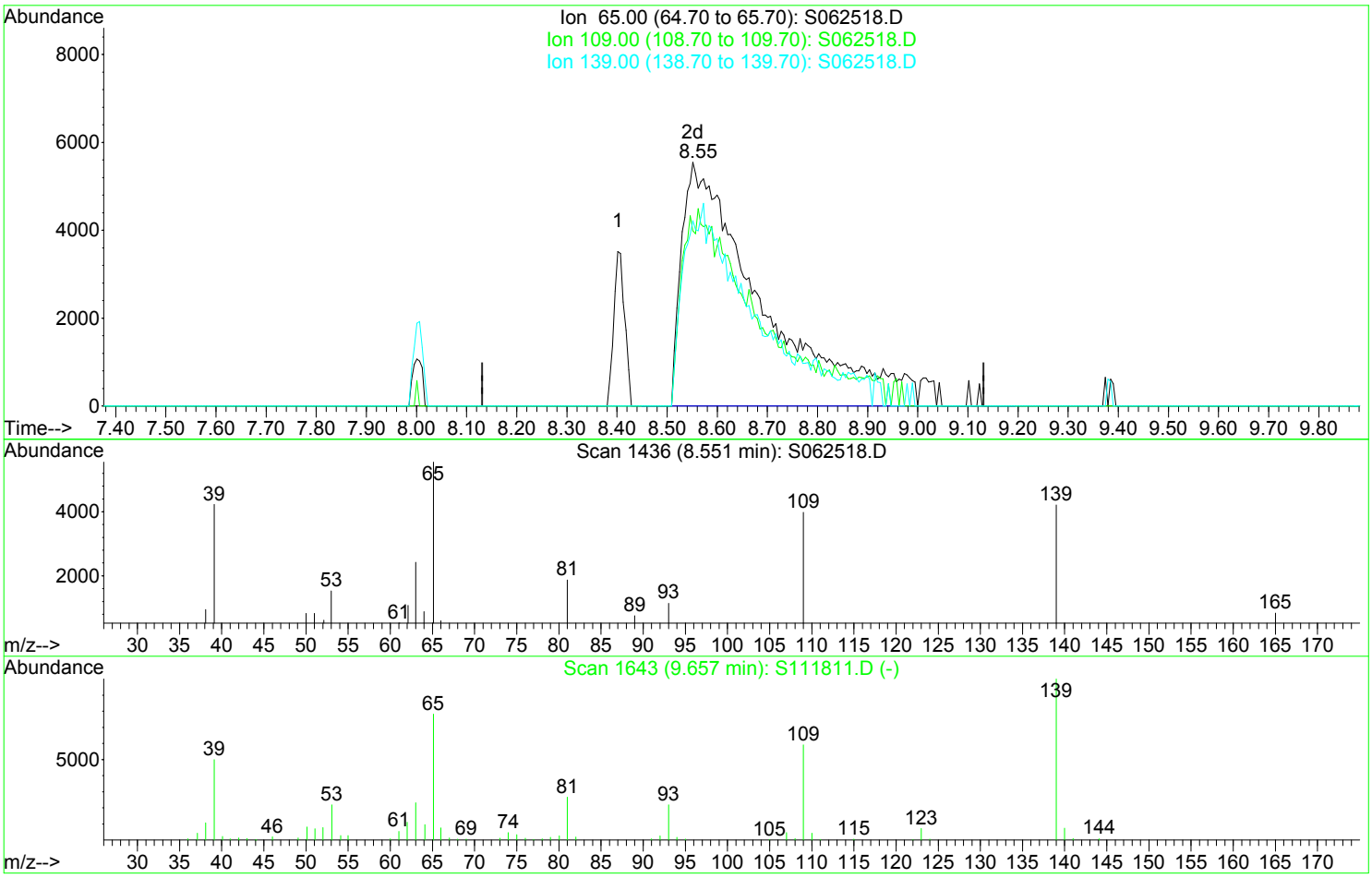
Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D **Vial: 17**
Acq On : 25 Jun 2004 8:53 pm **Operator: YH**
Sample : 0406C14-001DMSD 47086 **Inst : GC MS9**
Misc : MSD 8270_TCL4.2_X **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062518.D

(66) 4-Nitrophenol (PC)

8.55min 100.30ng m

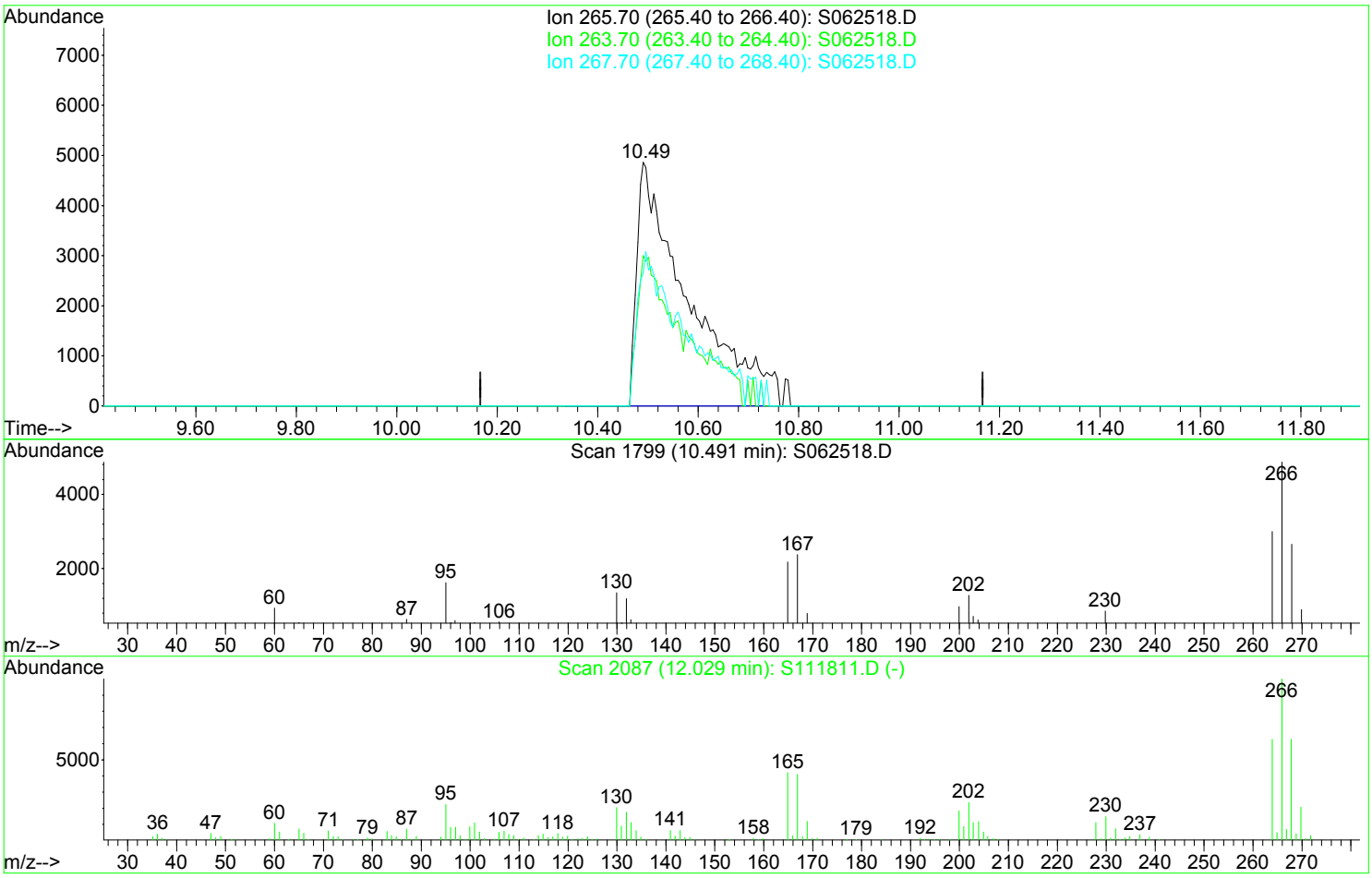
response 63009

Ion	Exp%	Act%
65.00	100	100
109.00	0.00	0.00
139.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40625\S062518.D **Vial: 17**
Acq On : 25 Jun 2004 8:53 pm **Operator: YH**
Sample : 0406C14-001DMSD 47086 **Inst : GC MS9**
Misc : MSD 8270_TCL4.2_X **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:10 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Multiple Level Calibration



TIC: S062518.D

(84) Pentachlorophenol (CCC)

10.49min 46.92ng m

response 34606

Ion	Exp%	Act%
265.70	100	100
263.70	61.70	37.61#
267.70	63.20	32.53#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:11:12 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	47166	40.00	ng	-0.09
23) Naphthalene-d8	5.50	136	187176	40.00	ng	-0.11
45) Acenaphthene-d10	7.95	164	114177	40.00	ng	-0.15
73) Phenanthrene-d10	10.65	188	216789	40.00	ng	-0.18
92) Chrysene-d12	16.14	240	240005	40.00	ng	-0.20
105) Perylene-d12	19.52	264	232387	40.00	ng	-0.32
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	47313	35.91	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 35.91%			
9) Phenol-d5	4.02	99	63478	34.65	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 34.65%			
24) Nitrobenzene-d5	4.78	82	42596	22.64	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 45.28%			
50) 2-Fluorobiphenyl	6.92	172	86043	21.62	ng	-0.14
Spiked Amount 50.000	Range 43 - 116		Recovery = 43.24%			
72) 2,4,6-Tribromophenol	9.39	330	23251	40.40	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 40.40%			
94) 4-Terphenyl-d14	14.02	244	133165	23.04	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 46.08%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.		
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:11:12 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:11:12 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59) 1-Naphthylamine	0.00	143	0	N.D.	
60) Dimethyl phthalate	0.00	163	0	N.D. d	
61) Acenaphthylene	0.00	152	0	N.D.	
62) 2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63) Acenaphthene	0.00	154	0	N.D.	
64) 2,4-Dinitrophenol	0.00	184	0	N.D.	
65) Dibenzofuran	0.00	168	0	N.D.	
66) 4-Nitrophenol	0.00	65	0	N.D.	
67) 2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68) 2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69) Diethyl phthalate	0.00	149	0	N.D.	
70) Fluorene	0.00	166	0	N.D.	
71) 4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75) Azobenzene	0.00	77	0	N.D.	
76) 1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77) Diphenylamine	0.00	170	0	N.D.	
78) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79) 4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80) Phenacetin	0.00	108	0	N.D.	
81) Hexachlorobenzene	0.00	284	0	N.D.	
82) Atrazine	0.00	200	0	N.D.	
83) 4-Aminobiphenyl	0.00	169	0	N.D.	
84) Pentachlorophenol	0.00	266	0	N.D.	
85) Pentachloronitrobenzene	0.00	237	0	N.D.	
86) Pronamide	0.00	173	0	N.D.	
87) Phenanthrene	0.00	178	0	N.D.	
88) Anthracene	0.00	178	0	N.D.	
89) Carbazole	0.00	167	0	N.D.	
90) Di-n-butyl phthalate	0.00	149	0	N.D.	
91) Fluoranthene	0.00	202	0	N.D.	
93) Pyrene	0.00	202	0	N.D.	
95) Benzidine	0.00	184	0	N.D.	
96) Dimethylaminoazobenzene	0.00	225	0	N.D.	
97) Butyl benzyl phthalate	0.00	149	0	N.D.	
98) Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:11:12 2004 Quant Results File: B022704.RES

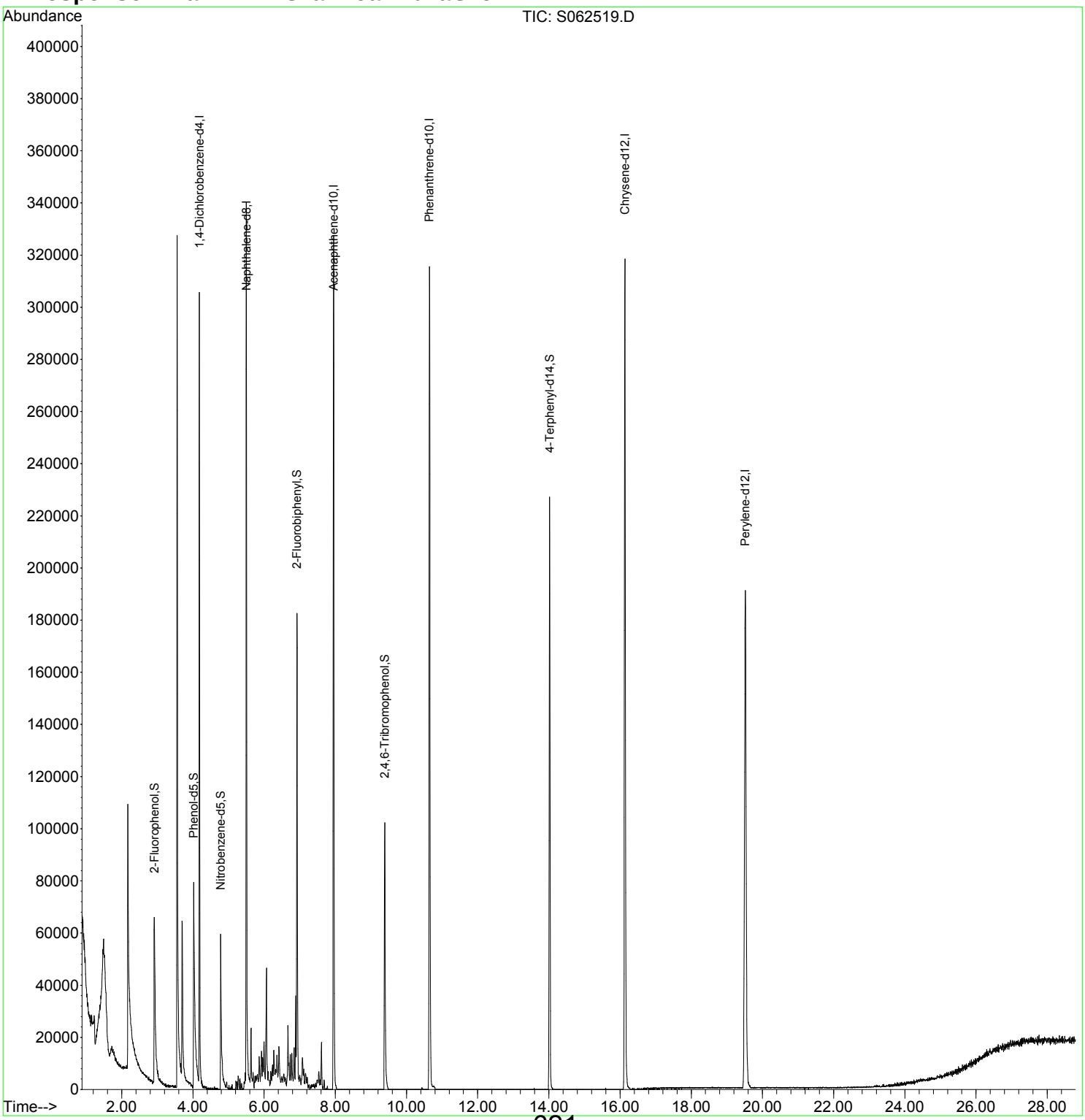
Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:12 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

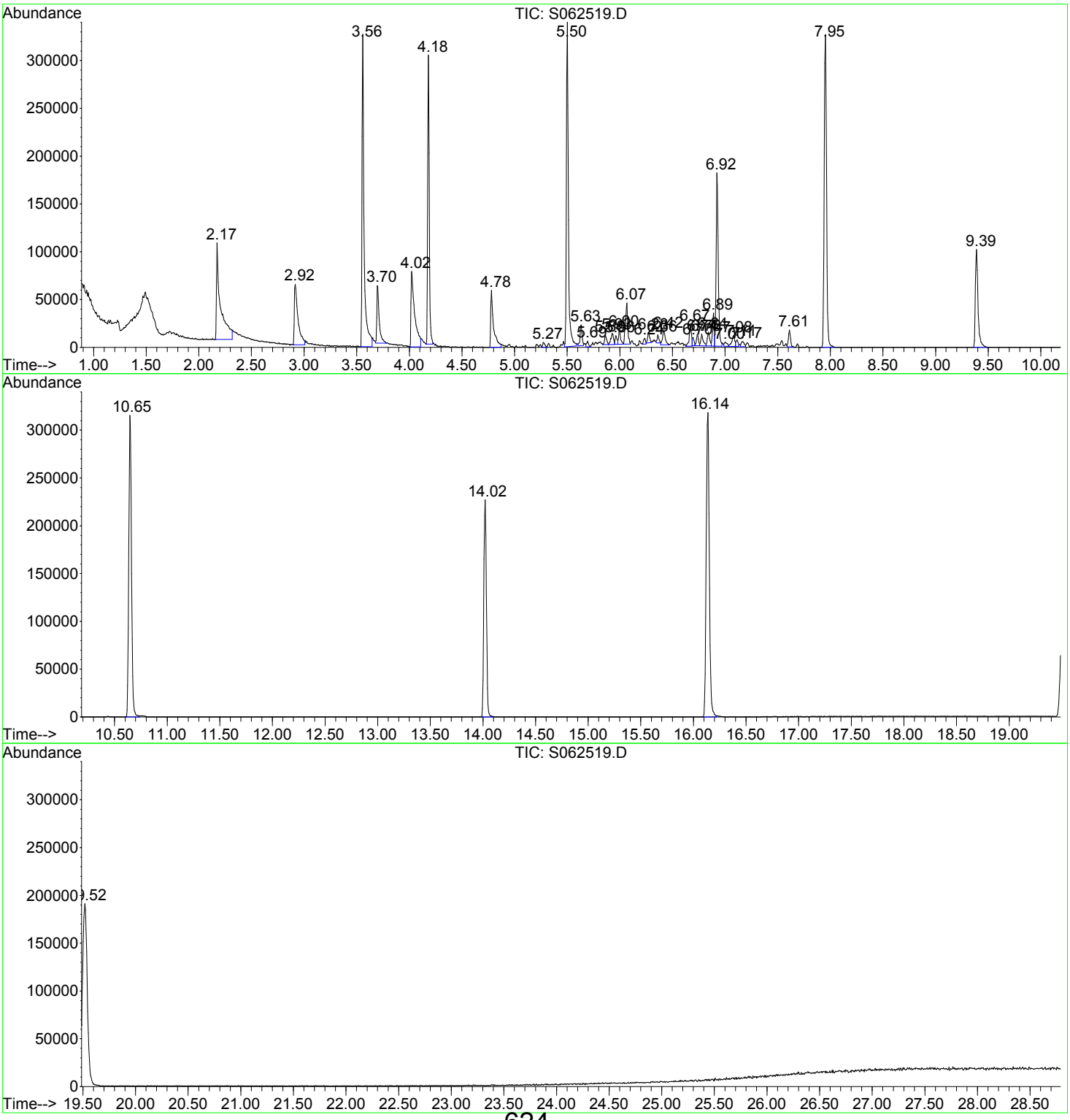
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.173	239	242	269	rBV	101144	267051	40.88%	4.775%
2	2.915	377	381	398	rBV	63288	151493	23.19%	2.709%
3	3.556	497	501	518	rBV	326666	444272	68.02%	7.944%
4	3.695	524	527	543	rVB	60168	94890	14.53%	1.697%
5	4.021	585	588	604	rBV	78942	188384	28.84%	3.369%
6	4.181	614	618	626	rBV	302403	311173	47.64%	5.564%
7	4.780	727	730	747	rBV	59567	109490	16.76%	1.958%
8	5.271	820	822	829	rBB2	5237	7427	1.14%	0.133%
9	5.501	860	865	881	rVV	339510	434761	66.56%	7.774%
10	5.634	884	890	894	rVV	21751	28969	4.44%	0.518%
11	5.693	898	901	906	rVB2	5942	6844	1.05%	0.122%
12	5.864	928	933	938	rBV2	9662	13251	2.03%	0.237%
13	5.928	938	945	949	rVV5	11644	20200	3.09%	0.361%
14	5.960	949	951	955	rVV	9146	11747	1.80%	0.210%
15	5.998	955	958	965	rVV	14960	18421	2.82%	0.329%
16	6.067	965	971	977	rVV	43134	64354	9.85%	1.151%
17	6.238	999	1003	1005	rBV4	6043	8064	1.23%	0.144%
18	6.276	1005	1010	1015	rVV3	10020	14604	2.24%	0.261%
19	6.361	1023	1026	1031	rVB3	8394	9170	1.40%	0.164%
20	6.420	1031	1037	1045	rVB3	13738	26561	4.07%	0.475%
21	6.671	1076	1084	1087	rBV	23245	33348	5.11%	0.596%
22	6.698	1087	1089	1092	rVV2	8430	9088	1.39%	0.163%
23	6.740	1092	1097	1100	rVV	11717	15420	2.36%	0.276%
24	6.778	1100	1104	1112	rVV	12255	19138	2.93%	0.342%
25	6.842	1112	1116	1121	rVV2	14529	22133	3.39%	0.396%
26	6.890	1121	1125	1127	rVV	34599	37515	5.74%	0.671%
27	6.922	1127	1131	1140	rVV	181370	248006	37.97%	4.435%

28	7.002	1143	1146	1152	rVV2	4520	8095	1.24%	0.145%
29	7.077	1152	1160	1164	rVV3	11259	21880	3.35%	0.391%
30	7.114	1164	1167	1170	rVV2	7044	9209	1.41%	0.165%
31	7.168	1173	1177	1182	rVV2	5532	10716	1.64%	0.192%
32	7.611	1256	1260	1265	rVB	17585	22580	3.46%	0.404%
33	7.953	1318	1324	1340	rBB	327291	507144	77.64%	9.069%
34	9.390	1588	1593	1610	rBB	102332	179012	27.41%	3.201%
35	10.646	1821	1828	1845	rBV2	315549	563420	86.26%	10.075%
36	14.022	2453	2460	2474	rBB2	227254	384088	58.80%	6.868%
37	16.137	2847	2856	2871	rBV2	318510	653188	100.00%	11.680%
38	19.519	3475	3489	3506	rBV2	190745	617161	94.48%	11.036%

Sum of corrected areas: 5592267

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40625\S062519.D
Operator : YH
Acquired : 25 Jun 2004 9:30 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0406C14-002D 47086
Misc Info : SAMP 8270_TCL4.2_X
Vial Number: 18
Quant File :B022704.RES (RTE Integrator)



Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	34.33 ng	267051	1,4-Dichlorobenzene-d4	4.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	91
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	91
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

****

Peak Number 2 2-Propanol, 1-butoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	57.11 ng	444272	1,4-Dichlorobenzene-d4	4.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	91
2	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	83
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	53
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	42
5	Pinacolyl alcohol	102	C6H14O	000464-07-3	42

****

Peak Number 3 Hexanoic acid, 2-oxo-, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.70	12.20 ng	94890	1,4-Dichlorobenzene-d4	4.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-oxo-, methyl ester	144	C7H12O3	006395-83-1	9
2	Propane, 1-bromo-2-methyl-	136	C4H9Br	000078-77-3	9
3	Ethanol, 2-(2-propenyloxy)-	102	C5H10O2	000111-45-5	9
4	1-Butanol, 2-methyl-, propanoate	144	C8H16O2	002438-20-2	9
5	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	7

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40625\S062519.D Vial: 18
Acq On : 25 Jun 2004 9:30 pm Operator: YH
Sample : 0406C14-002D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	5.92 ng	64354	Naphthalene-d8	5.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	72
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	64

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 9:30 pm
Data File: D:\MSDCHEM\DATA\S40625\S062519.D
Name: 0406C14-002D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	34.3	ng	267051	1	4.18	311173	40.0
2-Propanol, 1-butoxy-	3.56	57.1	ng	444272	1	4.18	311173	40.0
Hexanoic acid, 2-oxo-, methyl ester	3.70	12.2	ng	94890	1	4.18	311173	40.0
Octane, 2,6-dimethyl-	6.07	5.9	ng	64354	2	5.50	434761	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:12:31 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.18	152	45778	40.00	ng	-0.09
23) Naphthalene-d8	5.51	136	184462	40.00	ng	-0.11
45) Acenaphthene-d10	7.96	164	114092	40.00	ng	-0.14
73) Phenanthrene-d10	10.65	188	201019	40.00	ng	-0.18
92) Chrysene-d12	16.14	240	209704	40.00	ng	-0.19
105) Perylene-d12	19.53	264	209424	40.00	ng	-0.31
System Monitoring Compounds						
5) 2-Fluorophenol	2.92	112	69054	54.00	ng	-0.11
Spiked Amount 100.000	Range 21 - 110		Recovery = 54.00%			
9) Phenol-d5	4.02	99	97782	55.00	ng	-0.10
Spiked Amount 100.000	Range 10 - 110		Recovery = 55.00%			
24) Nitrobenzene-d5	4.78	82	65456	35.30	ng	-0.10
Spiked Amount 50.000	Range 34 - 114		Recovery = 70.60%			
50) 2-Fluorobiphenyl	6.93	172	126005	31.69	ng	-0.13
Spiked Amount 50.000	Range 43 - 116		Recovery = 63.38%			
72) 2,4,6-Tribromophenol	9.40	330	34764	60.45	ng	-0.17
Spiked Amount 100.000	Range 10 - 123		Recovery = 60.45%			
94) 4-Terphenyl-d14	14.03	244	160790	31.84	ng	-0.18
Spiked Amount 50.000	Range 33 - 141		Recovery = 63.68%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) 2-Picoline	0.00	93	0	N.D.		
4) Methyl methanesulfonate	0.00	80	0	N.D.		
6) Ethyl methanesulfonate	0.00	79	0	N.D.		
7) Benzaldehyde	0.00	105	0	N.D.		
8) Aniline	0.00	66	0	N.D.	d	
10) Phenol	0.00	94	0	N.D.		
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.		
12) 2-Chlorophenol	0.00	128	0	N.D.		
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
14) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
15) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
16) Benzyl alcohol	0.00	108	0	N.D.		
17) Bis(2-chloroisopropyl)ethe	0.00	45	0	N.D.		
18) 2-Methylphenol	0.00	107	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:12:31 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	0.00	107	0	N.D.	
20)	N-Nitrosodi-n-propylamine	0.00	70	0	N.D. d	
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D.	
25)	Acetophenone	0.00	105	0	N.D.	
26)	Nitrobenzene	0.00	77	0	N.D.	
27)	N-Nitrosopiperidine	0.00	114	0	N.D.	
28)	Isophorone	0.00	82	0	N.D. d	
29)	2-Nitrophenol	0.00	139	0	N.D.	
30)	2,4-Dimethylphenol	0.00	122	0	N.D.	
31)	Bis(2-chloroethoxy)methane	0.00	93	0	N.D.	
32)	2,4-Dichlorophenol	0.00	162	0	N.D.	
33)	1,2,4-Trichlorobenzene	0.00	180	0	N.D.	
34)	Naphthalene	0.00	128	0	N.D.	
35)	Benzoic acid	0.00	122	0	N.D.	
36)	2,6-Dichlorophenol	0.00	162	0	N.D.	
37)	4-Chloroaniline	0.00	127	0	N.D.	
38)	Hexachlorobutadiene	0.00	225	0	N.D.	
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.	
40)	Caprolactam	0.00	55	0	N.D.	
41)	4-Chloro-3-methylphenol	0.00	107	0	N.D.	
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D.	
43)	2-Methylnaphthalene	0.00	142	0	N.D.	
44)	1-Methylnaphthalene	0.00	142	0	N.D.	
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.	
47)	Hexachlorocyclopentadiene	0.00	237	0	N.D.	
48)	2,4,6-Trichlorophenol	0.00	196	0	N.D.	
49)	2,4,5-Trichlorophenol	0.00	196	0	N.D.	
51)	Biphenyl	0.00	154	0	N.D.	
52)	2-Chloronaphthalene	0.00	162	0	N.D.	
53)	1-Chloronaphthalene	0.00	162	0	N.D.	
54)	2-Nitroaniline	0.00	65	0	N.D.	
55)	3-Nitroaniline	0.00	138	0	N.D.	
56)	Pentachlorobenzene	0.00	250	0	N.D.	
57)	4-Nitroaniline	0.00	138	0	N.D.	
58)	2-Naphthylamine	0.00	143	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:12:31 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	1-Naphthylamine	0.00	143	0	N.D.	
60)	Dimethyl phthalate	0.00	163	0	N.D. d	
61)	Acenaphthylene	0.00	152	0	N.D.	
62)	2,6-Dinitrotoluene	0.00	165	0	N.D. d	
63)	Acenaphthene	0.00	154	0	N.D.	
64)	2,4-Dinitrophenol	0.00	184	0	N.D.	
65)	Dibenzofuran	0.00	168	0	N.D.	
66)	4-Nitrophenol	0.00	65	0	N.D.	
67)	2,4-Dinitrotoluene	0.00	165	0	N.D. d	
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.	
69)	Diethyl phthalate	0.00	149	0	N.D.	
70)	Fluorene	0.00	166	0	N.D.	
71)	4-Chlorophenyl phenyl ethe	0.00	204	0	N.D.	
74)	4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
75)	Azobenzene	0.00	77	0	N.D.	
76)	1,2-Diphenylhydrazine	0.00	182	0	N.D.	
77)	Diphenylamine	0.00	170	0	N.D.	
78)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
79)	4-Bromophenyl phenyl ether	0.00	248	0	N.D.	
80)	Phenacetin	0.00	108	0	N.D.	
81)	Hexachlorobenzene	0.00	284	0	N.D.	
82)	Atrazine	0.00	200	0	N.D.	
83)	4-Aminobiphenyl	0.00	169	0	N.D.	
84)	Pentachlorophenol	0.00	266	0	N.D.	
85)	Pentachloronitrobenzene	0.00	237	0	N.D.	
86)	Pronamide	0.00	173	0	N.D.	
87)	Phenanthrene	0.00	178	0	N.D.	
88)	Anthracene	0.00	178	0	N.D.	
89)	Carbazole	0.00	167	0	N.D.	
90)	Di-n-butyl phthalate	0.00	149	0	N.D.	
91)	Fluoranthene	0.00	202	0	N.D.	
93)	Pyrene	0.00	202	0	N.D.	
95)	Benzidine	0.00	184	0	N.D.	
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.	
97)	Butyl benzyl phthalate	0.00	149	0	N.D.	
98)	Benz(a)anthracene	0.00	228	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 09:12:31 2004 Quant Results File: B022704.RES

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

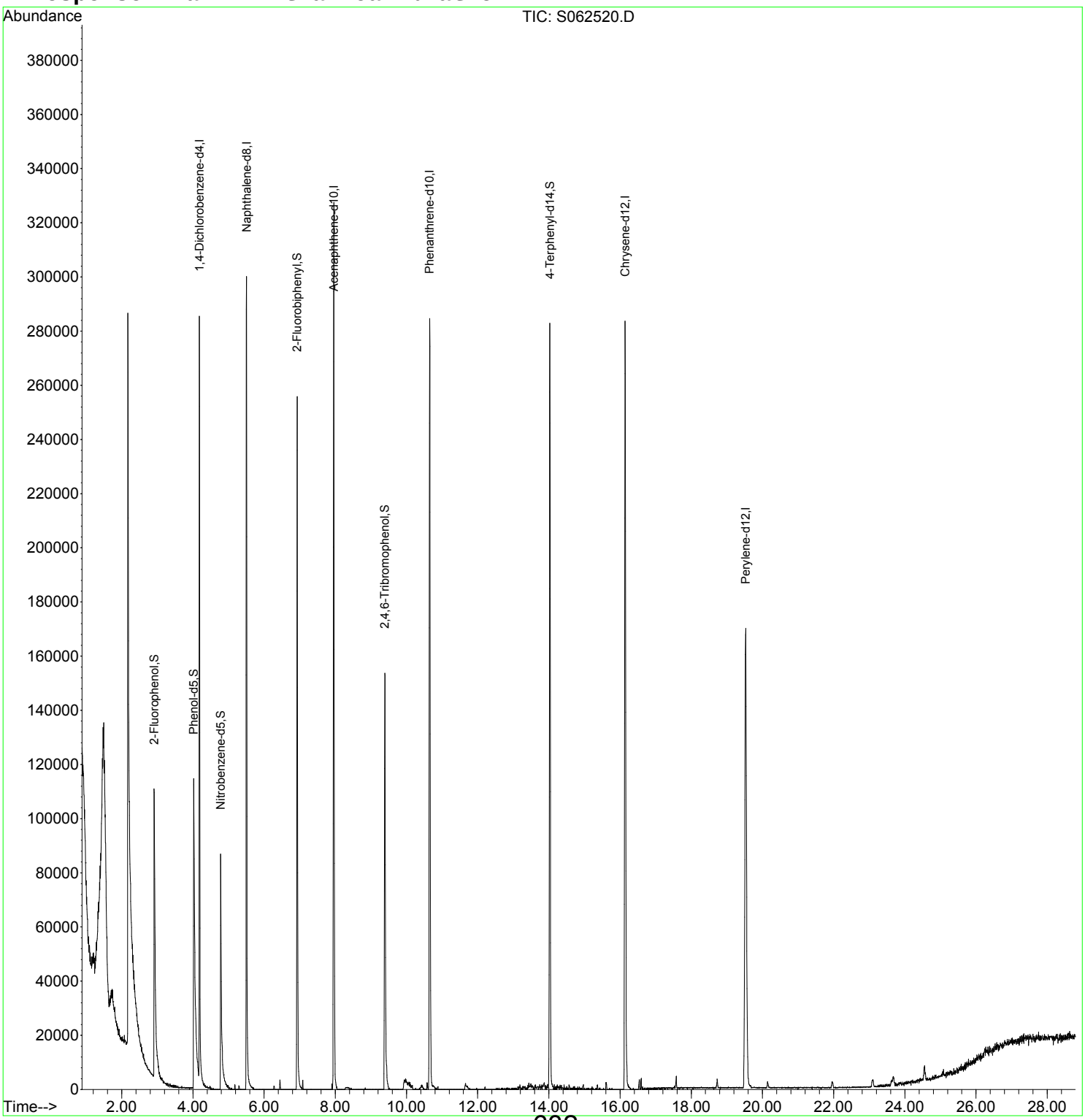
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	0.00	228	0	N.D.		
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.		
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.		
106)	Benzo[b]fluoranthene	0.00	252	0	N.D.		
107)	Benzo[k]fluoranthene	0.00	252	0	N.D.		
108)	Benzo[a]pyrene	0.00	252	0	N.D.		
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D.		
111)	Benzo[g,h,i]perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 28 9:13 2004 Quant Results File: B022704.RES

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Wed Jun 23 08:48:43 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

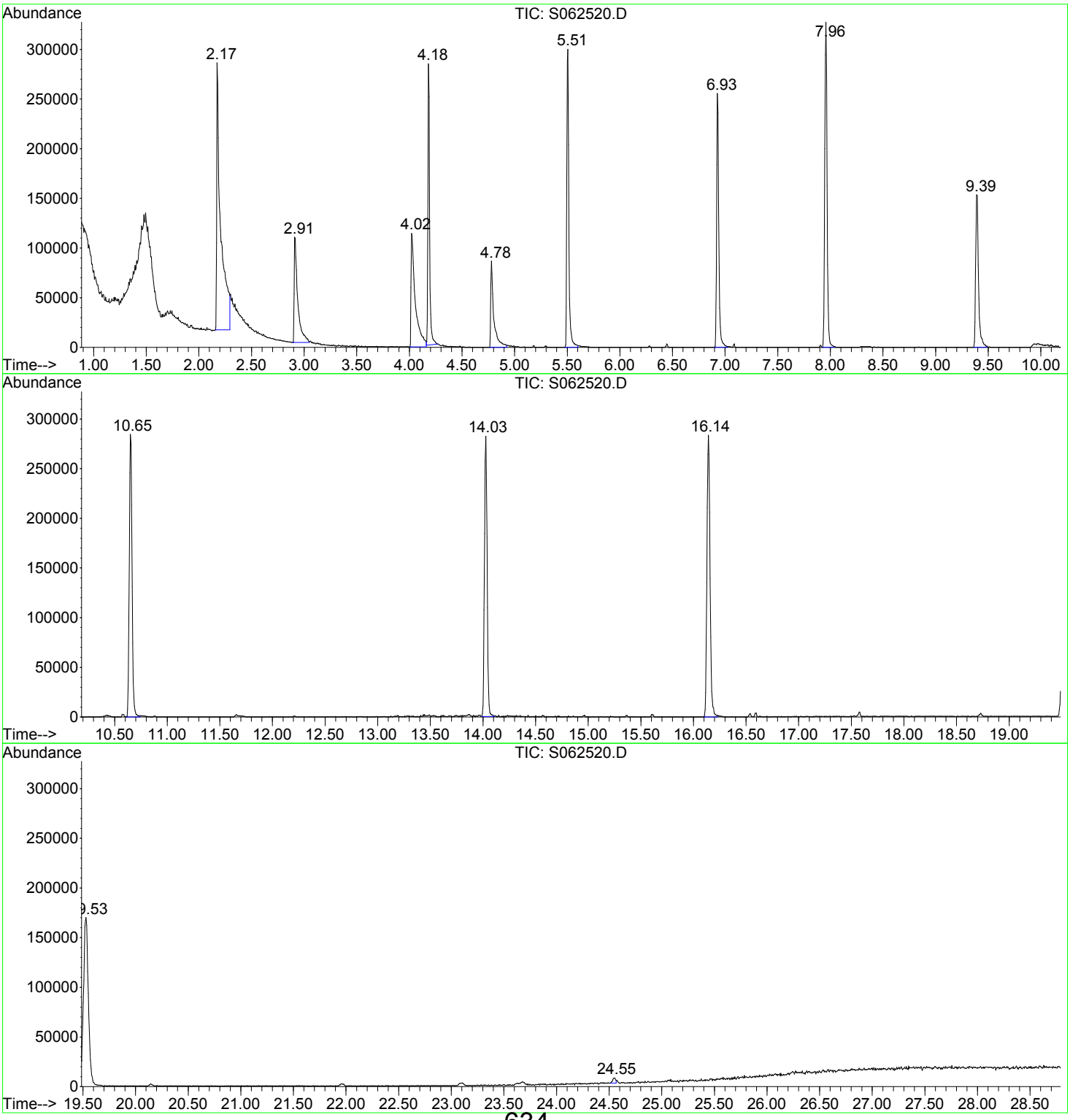
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.172	239	242	265	rBV	268886	719725	100.00%	13.152%
2	2.910	377	380	406	rBV	106013	243536	33.84%	4.450%
3	4.021	585	588	614	rBV	114278	316260	43.94%	5.779%
4	4.181	614	618	634	rVB	282693	316400	43.96%	5.782%
5	4.779	727	730	757	rBV	87006	173618	24.12%	3.173%
6	5.506	861	866	884	rBV	300238	399899	55.56%	7.308%
7	6.927	1127	1132	1150	rBV	255855	357674	49.70%	6.536%
8	7.958	1319	1325	1340	rBV	327498	501147	69.63%	9.158%
9	9.390	1588	1593	1611	rBV	153721	288359	40.07%	5.269%
10	10.651	1822	1829	1846	rBV2	284681	520971	72.38%	9.520%
11	14.027	2454	2461	2476	rBV	282414	489723	68.04%	8.949%
12	16.142	2849	2857	2873	rBV2	283748	581016	80.73%	10.617%
13	19.529	3478	3491	3513	rBV3	169673	553207	76.86%	10.109%
14	24.551	4424	4431	4434	rBV3	5379	10735	1.49%	0.196%

Sum of corrected areas: 5472270

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40625\S062520.D
Operator : YH
Acquired : 25 Jun 2004 10:08 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0406C14-003D 47086
Misc Info : SAMP 8270_TCL4.2_X
Vial Number: 19
Quant File :B022704.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40625\S062520.D Vial: 19
Acq On : 25 Jun 2004 10:08 pm Operator: YH
Sample : 0406C14-003D 47086 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_X Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	90.99 ng	719725	1,4-Dichlorobenzene-d4	4.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	94
2	Methylene Chloride	84	CH2Cl2	000075-09-2	91
3	Methylene Chloride	84	CH2Cl2	000075-09-2	91
4	Methylene Chloride	84	CH2Cl2	000075-09-2	91
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 25 Jun 2004 10:08 pm
Data File: D:\MSDCHEM\DATA\S40625\S062520.D
Name: 0406C14-003D 47086
Misc: SAMP 8270_TCL4.2_X
Method: C:\MSDCHEM\1\METHODS\B022704.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methylene Chloride	2.17	91.0	ng	719725	1	4.18	316400	40.0

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 9:10:16 A**
Prep End Date: **6/24/2004 6:56:40 P**

Prep Batch **47055** Prep Code: **3550_PCB** Technician: **Chuck Weiss**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406925-001B	Soil		0.03006	0	0	10	332.668	6/24/2004	6/24/2004
0406925-002B	Soil		0.03002	0	0	10	333.111	6/24/2004	6/24/2004
0406925-003B	Soil		0.03002	0	0	10	333.111	6/24/2004	6/24/2004
0406925-004B	Soil		0.03002	0	0	10	333.111	6/24/2004	6/24/2004
0406995-003B	Soil		0.03	0	0	10	333.333	6/24/2004	6/24/2004
0406995-006B	Soil		0.03001	0	0	10	333.222	6/24/2004	6/24/2004
0406995-007B	Soil		0.03002	0	0	10	333.111	6/24/2004	6/24/2004
0406A91-001A	Soil		0.03008	0	0	10	332.447	6/24/2004	6/24/2004
0406A91-002A	Soil		0.03	0	0	10	333.333	6/24/2004	6/24/2004
0406A91-003A	Soil		0.03	0	0	10	333.333	6/24/2004	6/24/2004
0406A91-004A	Soil		0.03008	0	0	10	332.447	6/24/2004	6/24/2004
0406A91-005A	Soil		0.03001	0	0	10	333.222	6/24/2004	6/24/2004
0406B21-008A	Soil		0.03007	0	0	10	332.557	6/24/2004	6/24/2004
0406B21-008AMS	Soil		0.03004	0	0	10	332.889	6/24/2004	6/24/2004
0406B21-008AMSD	Soil		0.03	0	0	10	333.333	6/24/2004	6/24/2004
0406B54-002B	Soil		0.03004	0	0	10	332.889	6/24/2004	6/24/2004
0406B54-007B	Soil		0.03008	0	0	10	332.447	6/24/2004	6/24/2004
0406C14-004A	Solid		0.0019	0	0	10	5263.158	6/24/2004	6/24/2004
Solid Sample									
0406C14-005A	Unknown		0.0097	0	0	10	1030.928	6/24/2004	6/24/2004
Solid Sample. Tar like sample, dissolved in methylene chloride. Altough acid cleaned-up 3 times, extract still has color.									
LCS-47055			0.03	0	0	10	333.333	6/24/2004	6/24/2004
MB-47055			0.03	0	0	10	333.333	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID **MB-47055**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52603**
Client ID:	Batch ID: **47055**	TestNo: **SW8082**		Analysis Date: **6/25/2004**	SeqNo: **1009566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	BRL	33									
Aroclor 1221	BRL	33									
Aroclor 1232	BRL	33									
Aroclor 1242	BRL	33									
Aroclor 1248	BRL	33									
Aroclor 1254	BRL	33									
Aroclor 1260	BRL	33									
Surr: Decachlorobiphenyl	13.49	0	16.67	0	80.9	20.9	163	0	0		
Surr: Tetrachloro-m-xylene	7.476	0	16.67	0	44.8	28.6	126	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID **LCS-47055**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52603**
Client ID:	Batch ID: **47055**	TestNo: **SW8082**		Analysis Date: **6/25/2004**	SeqNo: **1009567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	149.5	33	166.7	0	89.7	63.1	124	0	0		
Aroclor 1260	151.4	33	166.7	0	90.9	74.7	120	0	0		
Surr: Decachlorobiphenyl	13.91	0	16.67	0	83.5	20.9	163	0	0		
Surr: Tetrachloro-m-xylene	13.66	0	16.67	0	82	28.6	126	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID **0406B21-008AMS**	SampType: **MS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52603**
Client ID:	Batch ID: **47055**	TestNo: **SW8082**		Analysis Date: **6/25/2004**	SeqNo: **1009569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	131.9	33	166.4	0	79.3	58.2	129	0	0		
Aroclor 1260	152.3	33	166.4	0	91.5	20.8	147	0	0		
Surr: Decachlorobiphenyl	12.95	0	16.65	0	77.8	20.9	163	0	0		
Surr: Tetrachloro-m-xylene	10.5	0	16.65	0	63.1	28.6	126	0	0		

Sample ID **0406B21-008AMSD**	SampType: **MSD**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **6/24/2004**	RunNo: **52603**
Client ID:	Batch ID: **47055**	TestNo: **SW8082**		Analysis Date: **6/25/2004**	SeqNo: **1009570**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	137	33	166.7	0	82.2	58.2	129	131.9	3.80	35.3	
Aroclor 1260	146.9	33	166.7	0	88.2	20.8	147	152.3	3.61	27.3	
Surr: Decachlorobiphenyl	12.36	0	16.67	0	74.1	20.9	163	12.95	0	0	
Surr: Tetrachloro-m-xylene	10.09	0	16.67	0	60.5	28.6	126	10.5	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: E:\HPCHEM\1\DATA\540603

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	25	54060301.D	1.	HEXANE 8497	CCB 8081	3 Jun 2004 08:57
2	26	54060302.D	1.	PEM 4065	PEM 8082	3 Jun 2004 10:11
3	27	54060303.D	1.	1660-01 4069	ICAL 8082	3 Jun 2004 10:41
4	28	54060304.D	1.	1660-02 4069	ICAL 8082	3 Jun 2004 11:10
5	29	54060305.D	1.	1660-03 4069	ICAL 8082	3 Jun 2004 11:40
6	30	54060306.D	1.	1660-04 4069	ICAL 8082	3 Jun 2004 12:09
7	31	54060307.D	1.	1660-05 4069	ICAL 8082	3 Jun 2004 12:39
8	32	54060308.D	1.	1660-06 4069	ICAL 8082	3 Jun 2004 13:09
9	33	54060309.D	1.	ICV 4070	ICV 8082	3 Jun 2004 13:38
10	34	54060310.D	1.	1660-04 4069	CCV 8082	3 Jun 2004 14:08
11	2	54060311.D	1.	INDA-04 4020	CCV 8081_TCL_S	3 Jun 2004 15:22
12	3	54060312.D	1.	INDB-04 4021	CCV 8081_TCL_S	3 Jun 2004 15:52

Calibration Curve Review Checklist for GC Methods

Matrix: **CH2CL2** Instrument: **MS-10** Date Prepared: **5/24/2004**

Test Method: **B052404.M** Curve ID: _____

	Col 1	Col 2
• Does the calibration curve contain a minimum of 5 points.	✔	✔
• If average response factor used in calculation are all compound RSD ±20% for 8000 Methods and FL PRO or 10% for 600 Methods	✔	
• If linear regression used in calculation, is the correlation coefficient (r) > 0.995		✔
• Is the lowest data point in each curve at the PQL in LIMS	✔	✔
List any analytes with data point below or above PQL		
• Is the highest data point in each curve at the UQL in LIMS		✔
List any analytes with highest standard below UQL		
• Is the retention time RT of each target analyte in each calibration standard within the RT window.	✔	✔
• Does the ICV pass (% D < = 15% for each analyte or average of all %Ds ≤15% for 8000 Methods; ≤20% for FL PRO; % D ≤15% for each target for 600s)	✔	✔
• Is ICV a second source standard from ICAL standards	✔	✔
• Is the standard preparation information included and properly signed and dated.	✔	✔
• Is run log included and properly signed and dated.	✔	✔
• Are all chromatograms included and properly signed and dated.	✔	✔

Comments:

Analyst: _____ Date: **5/25/2004** Time: **12:43 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

Comments:

ICV failed for hexachlorocyclopentadiene at first time.

Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

		Compound	5	1	2	3	4	6	Avg		%RSD
1)	S	TCMX	5.891	5.500	6.001	5.742	5.929	5.534	5.766	E4	3.66
2)	L1	Aroclor-1016 {1}	2.430	3.086	2.882	2.595	2.531	2.223	2.625	E3	11.91
3)	L1	Aroclor-1016 {2}	5.579	6.145	6.358	5.635	5.740	5.122	5.763	E3	7.61
4)	L1	Aroclor-1016 {3}	2.210	2.304	2.473	2.202	2.264	2.033	2.248	E3	6.41
5)	L1	Aroclor-1016 {4}	2.361	2.341	2.520	2.259	2.410	2.177	2.345	E3	5.08
6)	L1	Aroclor-1016 {5}	1.208	1.298	1.236	1.111	1.213	1.118	1.197	E3	5.99
7)	L2	Aroclor-1221 {1}	6.428	7.153	7.148	6.622	6.446	6.283	6.680	E2	5.69
8)	L2	Aroclor-1221 {2}	3.468	4.451	4.018	3.715	3.513	3.260	3.738	E2	11.59
9)	L2	Aroclor-1221 {3}	1.732	2.299	2.109	1.891	1.781	1.593	1.901	E3	13.71
10)	L3	Aroclor-1232 {1}	1.579	1.798	1.786	1.617	1.603	1.416	1.633	E3	8.73
11)	L3	Aroclor-1232 {2}	1.220	1.223	1.227	1.121	1.255	1.104	1.192	E3	5.27
12)	L3	Aroclor-1232 {3}	1.008	0.737	0.903	1.001	1.025	0.923	0.933	E3	11.56
13)	L3	Aroclor-1232 {4}	9.250	8.873	9.306	9.158	9.363	8.724	9.112	E2	2.82
14)	L3	Aroclor-1232 {5}	6.630	7.043	6.724	6.403	6.589	6.493	6.647	E2	3.36
15)	L4	Aroclor-1242 {1}	1.117	1.314	1.232	1.187	1.163	1.021	1.173	E3	8.53
16)	L4	Aroclor-1242 {2}	1.734	1.702	1.915	1.654	1.792	1.597	1.732	E3	6.45
17)	L4	Aroclor-1242 {3}	1.134	0.970	1.145	0.989	1.141	1.092	1.079	E3	7.34
18)	L4	Aroclor-1242 {4}	1.791	1.905	1.935	1.901	1.838	1.687	1.843	E3	5.01
19)	L4	Aroclor-1242 {5}	7.293	6.739	6.826	7.057	7.154	7.524	7.099	E2	4.11
20)	L5	Aroclor-1248 {1}	2.624	2.835	2.741	2.705	2.679	2.441	2.671	E3	4.97
21)	L5	Aroclor-1248 {2}	2.910	3.477	3.250	3.006	2.992	2.658	3.049	E3	9.29
22)	L5	Aroclor-1248 {3}	1.684	1.740	1.700	1.690	1.702	1.603	1.687	E3	2.69
23)	L5	Aroclor-1248 {4}	1.181	2.052	1.375	1.300	1.227	1.129	1.377	E3	24.80
24)	L5	Aroclor-1248 {5}	1.417	1.539	1.453	1.458	1.427	1.372	1.445	E3	3.86
25)	L6	Aroclor-1254 {1}	2.164	2.344	2.235	2.239	2.181	2.044	2.201	E3	4.52
26)	L6	Aroclor-1254 {2}	2.827	3.717	3.307	3.083	2.894	2.543	3.062	E3	13.40
27)	L6	Aroclor-1254 {3}	3.558	3.201	3.656	3.502	3.368	3.343	3.438	E3	4.80
28)	L6	Aroclor-1254 {4}	3.015	3.407	3.205	3.053	2.881	2.784	3.058	E3	7.34
29)	L6	Aroclor-1254 {5}	4.229	4.186	3.951	4.044	3.916	3.983	4.051	E3	3.18
30)	L7	Aroclor-1260 {1}	3.593	4.320	3.955	3.696	3.701	3.217	3.747	E3	9.85
31)	L7	Aroclor-1260 {2}	6.472	7.254	7.351	6.705	6.646	5.785	6.702	E3	8.50
32)	L7	Aroclor-1260 {3}	5.607	5.604	6.041	5.646	5.654	5.269	5.637	E3	4.35
33)	L7	Aroclor-1260 {4}	3.304	3.268	3.446	3.362	3.348	3.105	3.306	E3	3.48
34)	L7	Aroclor-1260 {5}	3.222	2.673	2.869	3.436	3.147	3.339	3.114	E3	9.32
35)	L8	Aroclor-1262 {1}	4.511						4.511	E3	0.00
36)	L8	Aroclor-1262 {2}	3.725						3.725	E3	0.00
37)	L8	Aroclor-1262 {3}	9.373						9.373	E3	0.00
38)	L8	Aroclor-1262 {4}	3.975						3.975	E3	0.00
39)	L8	Aroclor-1262 {5}	3.776						3.776	E3	0.00
40)	L9	Aroclor-1268 {1}				2.806			2.806	E3	0.00
41)	L9	Aroclor-1268 {2}				1.329			1.329	E4	0.00
42)	L9	Aroclor-1268 {3}				9.686			9.686	E3	0.00
43)	L9	Aroclor-1268 {4}				3.991			3.991	E3	0.00

(#) = Out of Range

Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

		Compound	5	1	2	3	4	6	Avg		%RSD
44)	L9	Aroclor-1268 {5}			2.575				2.575	E4	0.00
45)	S	DCB	8.855	9.910	9.853	9.070	9.106		9.359	E4	5.20

Signal #2 Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

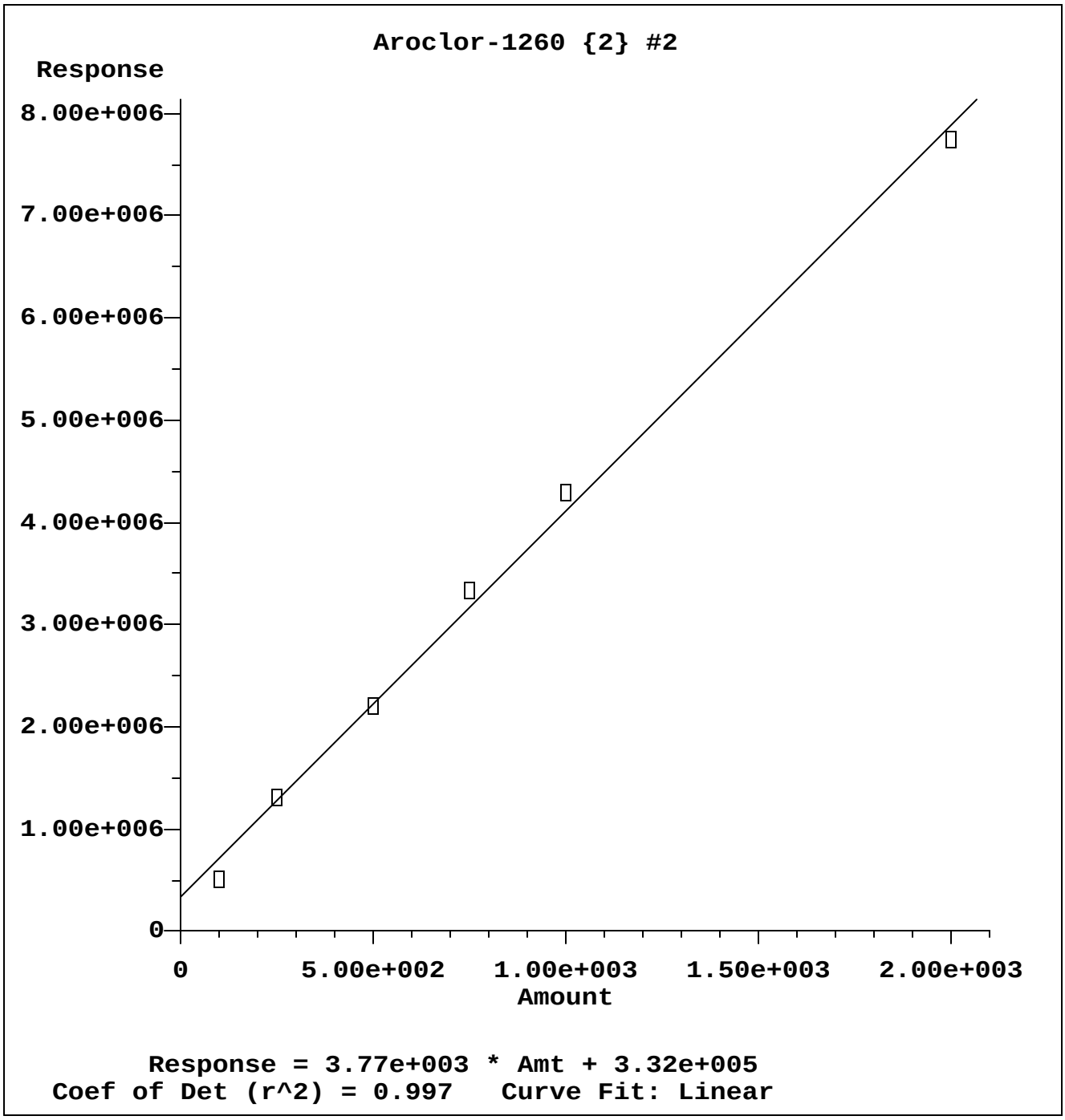
		Compound	5	1	2	3	4	6	Avg		%RSD
1)	S	TCMX	6.935	7.313	7.599	6.990	7.107	6.406	7.058	E4	5.68
2)	L1	Aroclor-1016 {1}	2.732	3.604	3.302	2.875	2.867		3.076	E3	11.86
3)	L1	Aroclor-1016 {2}	5.685	7.111	6.960	5.948	5.897	5.091	6.115	E3	12.70
4)	L1	Aroclor-1016 {3}	2.632	3.375	3.214	2.721	2.725	2.460	2.855	E3	12.54
5)	L1	Aroclor-1016 {4}	1.326	1.779	1.669	1.359	1.378	1.174	1.448	E3	15.79
6)	L1	Aroclor-1016 {5}	2.246	2.273	2.328	2.080	2.292	2.047	2.211	E3	5.32
7)	L2	Aroclor-1221 {1}	6.095	7.346	7.148	6.497	7.161	5.873	6.687	E2	9.27
8)	L2	Aroclor-1221 {2}	4.387	5.111	5.262	4.803	5.210	4.079	4.809	E2	10.05
9)	L2	Aroclor-1221 {3}	1.553	2.243	1.940	1.715	1.854	1.408	1.785	E3	16.59
10)	L3	Aroclor-1232 {1}	1.389	1.650	1.674	1.476	1.453	1.227	1.478	E3	11.30
11)	L3	Aroclor-1232 {2}	1.055	1.210	1.200	1.119	1.106	0.995	1.115	E3	7.44
12)	L3	Aroclor-1232 {3}	1.072	1.084	1.076	1.023	1.052	0.948	1.042	E3	4.93
13)	L3	Aroclor-1232 {4}	7.372	7.483	7.432	7.075	7.505	7.008	7.312	E2	2.95
14)	L3	Aroclor-1232 {5}	7.051	7.647	7.570	7.672	7.407	6.187	7.256	E2	7.87
15)	L4	Aroclor-1242 {1}	8.090	9.416	8.949	8.632	8.303	7.433	8.471	E2	8.18
16)	L4	Aroclor-1242 {2}	0.984	1.012	1.020	1.034	1.004	0.936	0.999	E3	3.47
17)	L4	Aroclor-1242 {3}	0.870	1.128	1.049	0.984	0.913	0.770	0.952	E3	13.52
18)	L4	Aroclor-1242 {4}	1.497	1.694	1.658	1.614	1.547	1.409	1.570	E3	6.80
19)	L4	Aroclor-1242 {5}	1.311	1.581	1.457	1.449	1.368	1.180	1.391	E3	9.93
20)	L5	Aroclor-1248 {1}	3.172	3.830	3.608	3.332	3.254	2.892	3.348	E3	9.89
21)	L5	Aroclor-1248 {2}	1.842	2.635	2.309	2.013	1.931	1.635	2.061	E3	17.35
22)	L5	Aroclor-1248 {3}	2.378	4.229	3.201	2.644	2.515	2.133	2.850	E3	26.80
23)	L5	Aroclor-1248 {4}	2.646	3.392	2.957	2.810	2.747	2.435	2.831	E3	11.49
24)	L5	Aroclor-1248 {5}	3.422	4.398	3.746	3.490	3.558	3.159	3.629	E3	11.65
25)	L6	Aroclor-1254 {1}	2.407	3.202	2.907	2.689	2.495	2.190	2.648	E3	13.79
26)	L6	Aroclor-1254 {2}	2.631	3.657	3.214	2.942	2.731	2.433	2.935	E3	15.13
27)	L6	Aroclor-1254 {3}	1.990	2.267	2.105	2.090	2.019	1.876	2.058	E3	6.39
28)	L6	Aroclor-1254 {4}	3.178	3.453	3.562	3.410	3.241	2.822	3.278	E3	8.05
29)	L6	Aroclor-1254 {5}	1.851	2.207	2.075	1.991	1.883	1.622	1.938	E3	10.43
30)	L7	Aroclor-1260 {1}	3.518	4.216	4.405	3.611	3.618	3.157	3.754	E3	12.43
31)	L7	Aroclor-1260 {2}	4.277	5.065	5.189	4.404	4.427	3.871	4.539	E3	11.00
32)	L7	Aroclor-1260 {3}	5.791	6.034	6.410	5.568	5.860	5.043	5.784	E3	7.94
33)	L7	Aroclor-1260 {4}	3.600	4.021	4.169	3.668	3.682	3.153	3.716	E3	9.57
34)	L7	Aroclor-1260 {5}	3.601	3.872	3.920	3.581	3.630	3.340	3.657	E3	5.81
35)	L8	Aroclor-1262 {1}	3.703						3.703	E3	0.00

Response Factor Report GC-5

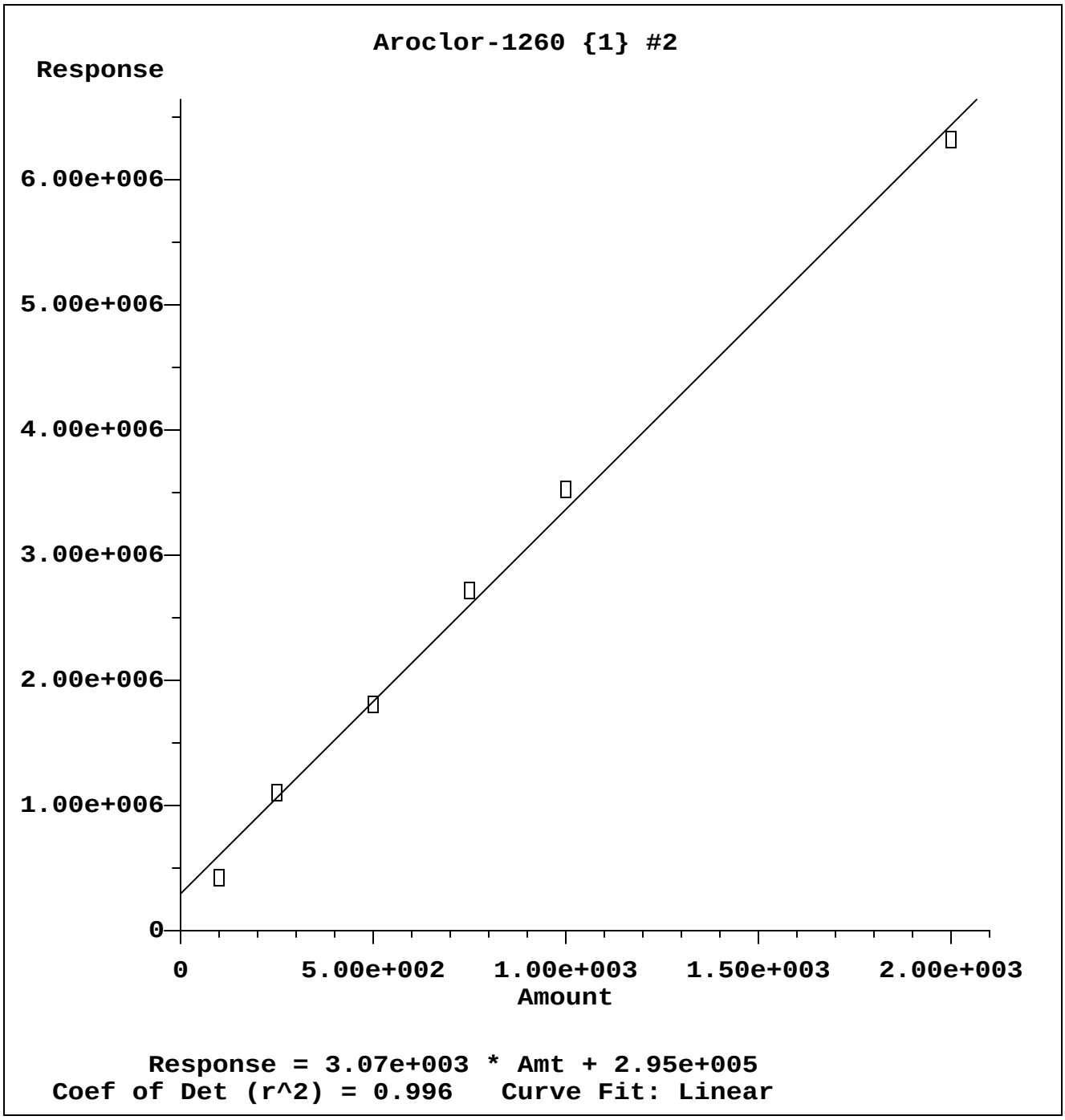
Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

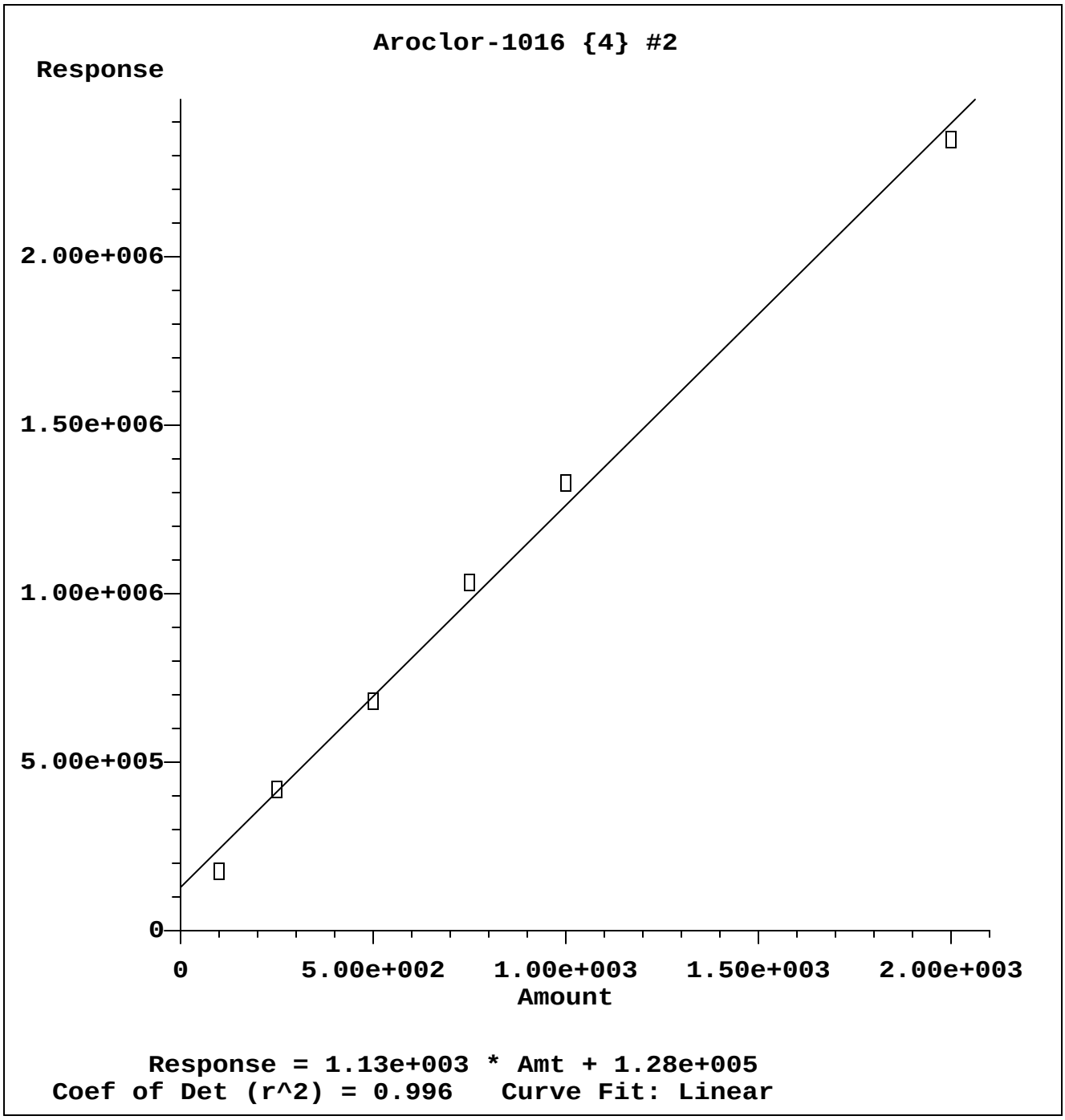
		Compound	5	1	2	3	4	6	Avg	%RSD
36)	L8	Aroclor-1262 {2}	3.169						3.169 E3	0.00
37)	L8	Aroclor-1262 {3}	6.783						6.783 E3	0.00
38)	L8	Aroclor-1262 {4}	5.036						5.036 E3	0.00
39)	L8	Aroclor-1262 {5}	2.979						2.979 E3	0.00
40)	L9	Aroclor-1268 {1}				2.322			2.322 E3	0.00
41)	L9	Aroclor-1268 {2}				1.092			1.092 E4	0.00
42)	L9	Aroclor-1268 {3}				8.126			8.126 E3	0.00
43)	L9	Aroclor-1268 {4}				3.497			3.497 E3	0.00
44)	L9	Aroclor-1268 {5}				2.096			2.096 E4	0.00
45)	S	DCB	7.359	9.077	8.704	7.779	7.626		8.109 E4	9.14



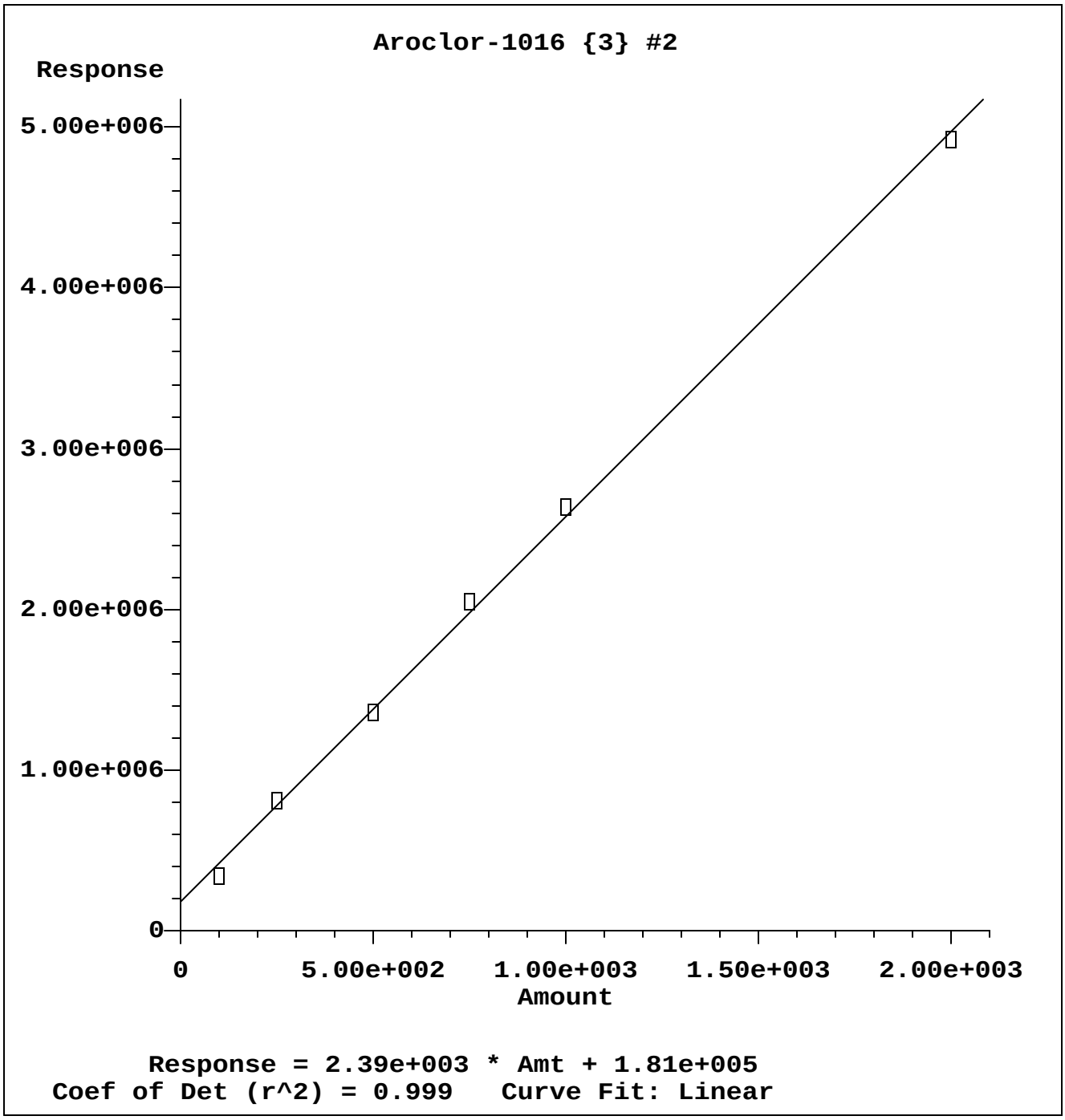
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



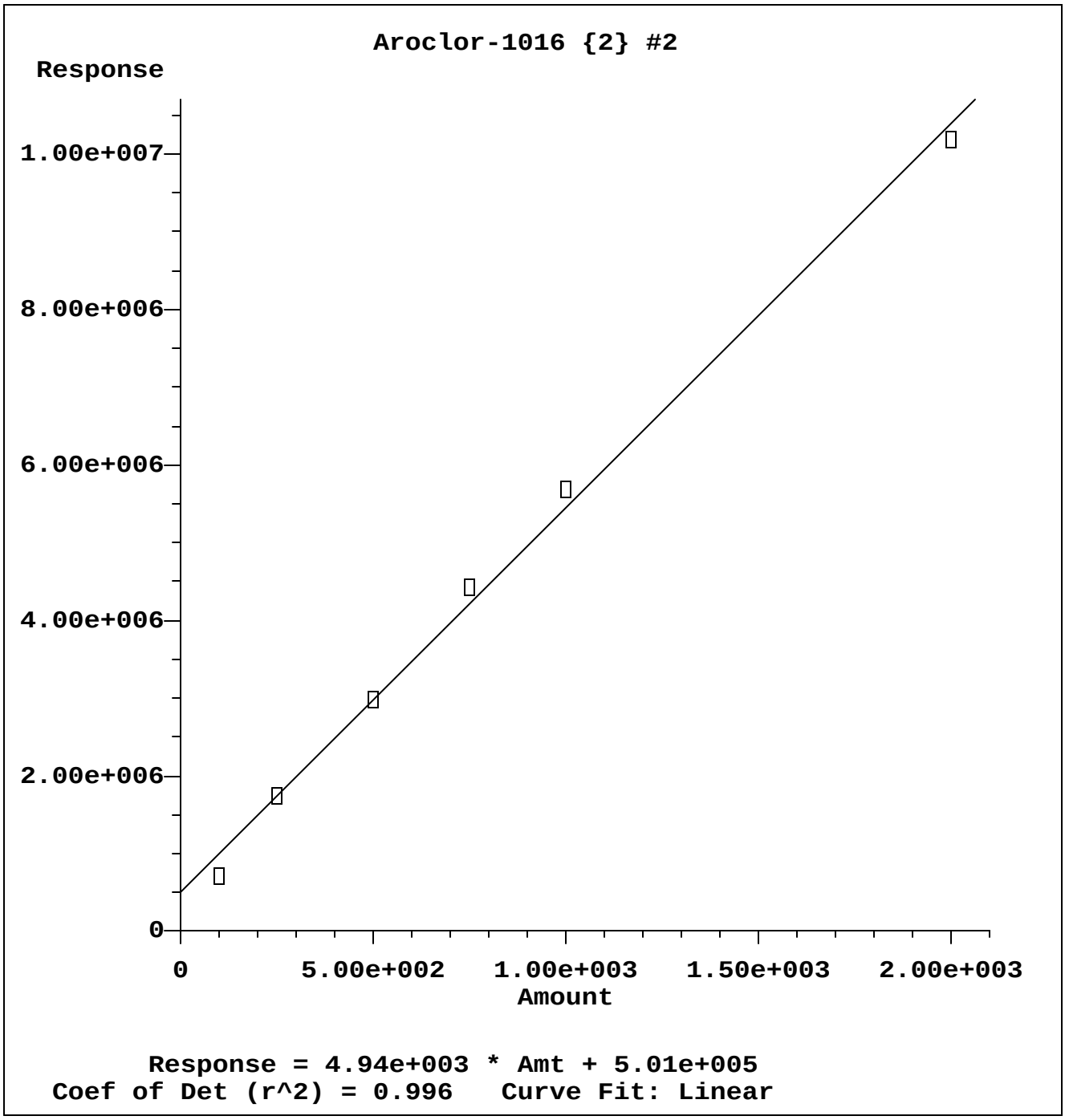
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



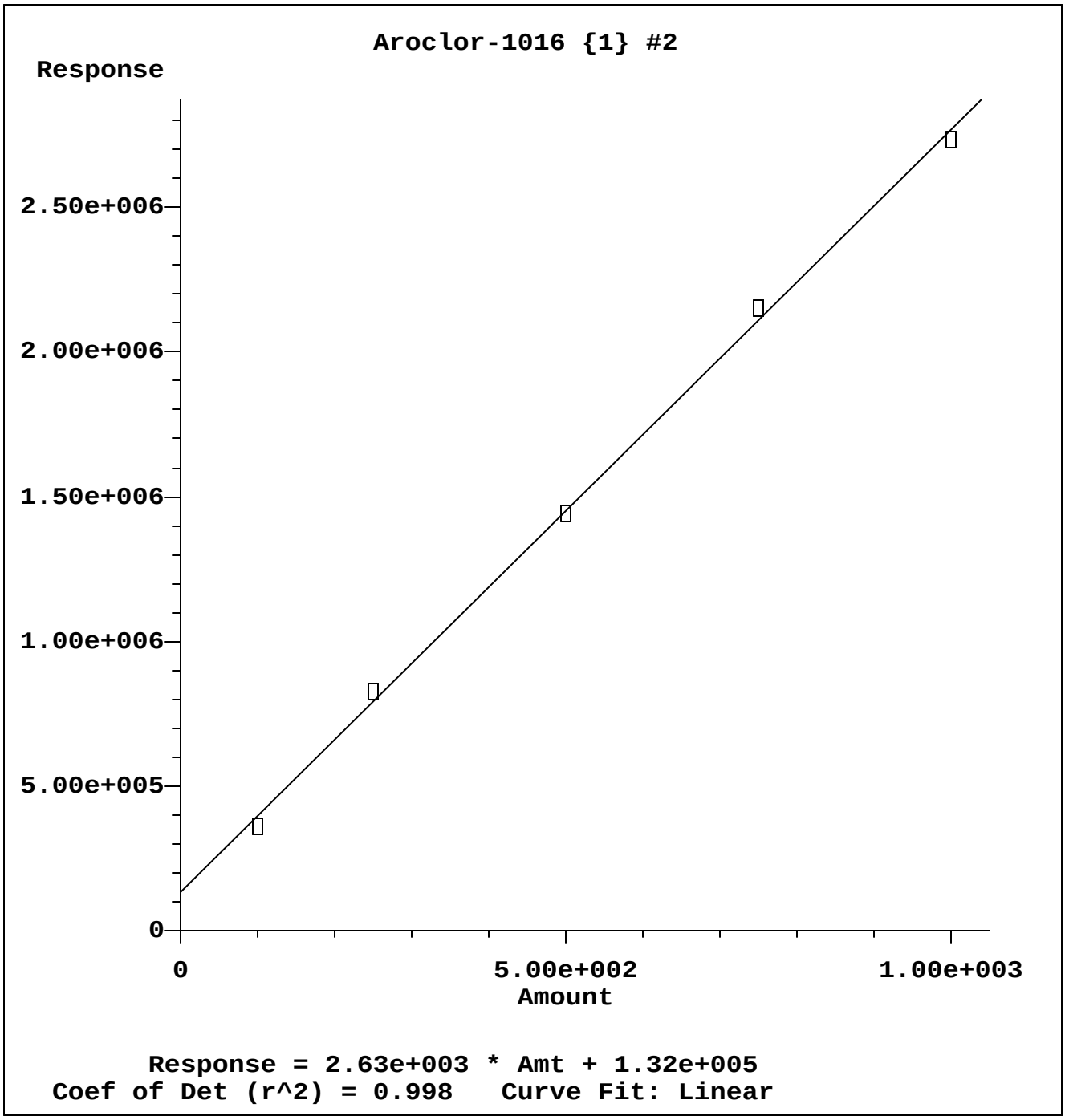
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



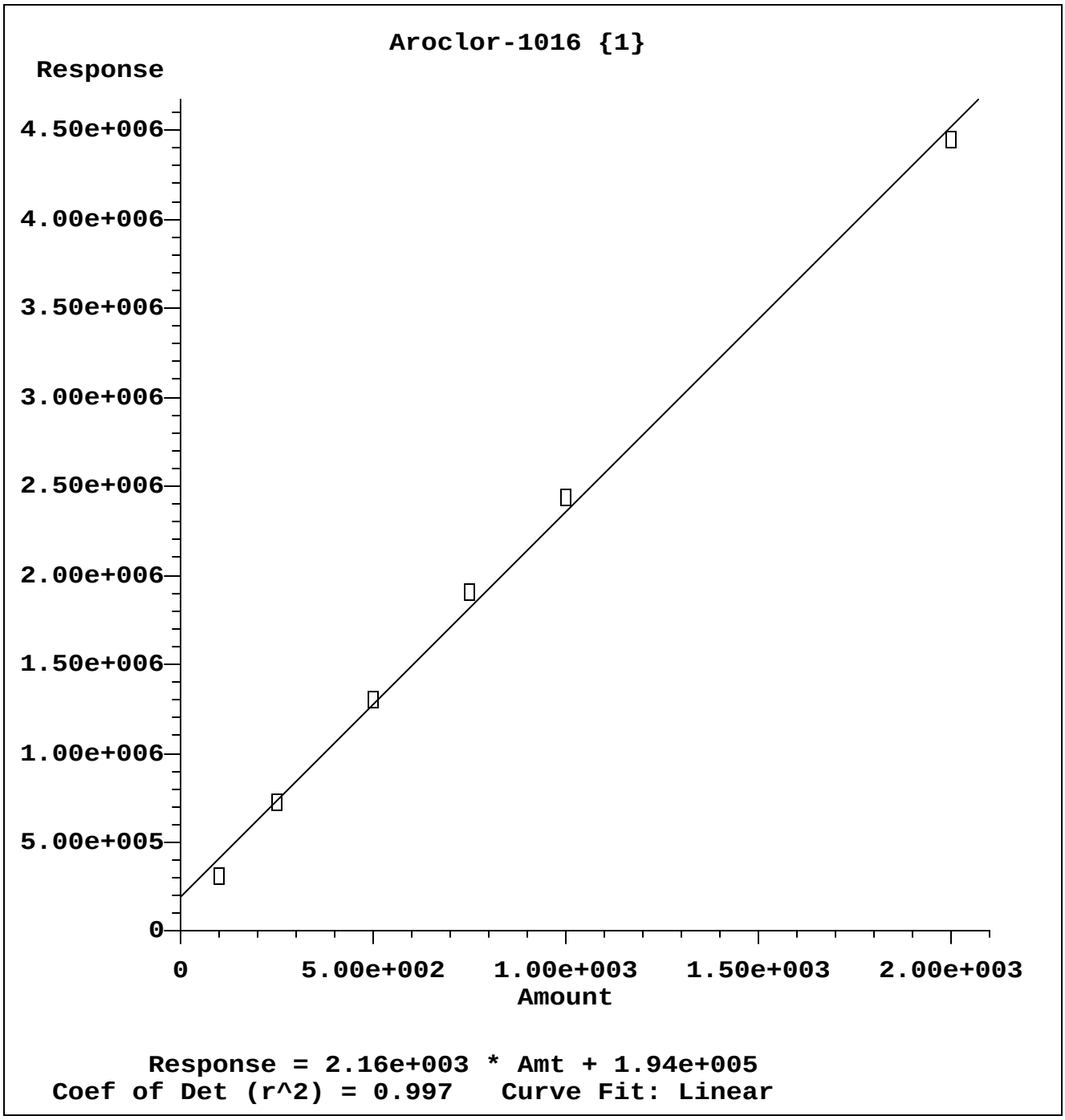
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD1A.CH Vial: 25
Signal #2 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD2B.CH
Acq On : 3 Jun 2004 8:57 am Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 11:42 2004 Quant Results File: 5PCB4E26.RES

Quant Method : E:\HPCHEM\1...\5PCB4E26.M (Chemstation Integrator)
Title : PCB 5/26/04 Update AR1248 from 5PCB4E10.M
Last Update : Wed May 26 14:11:27 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

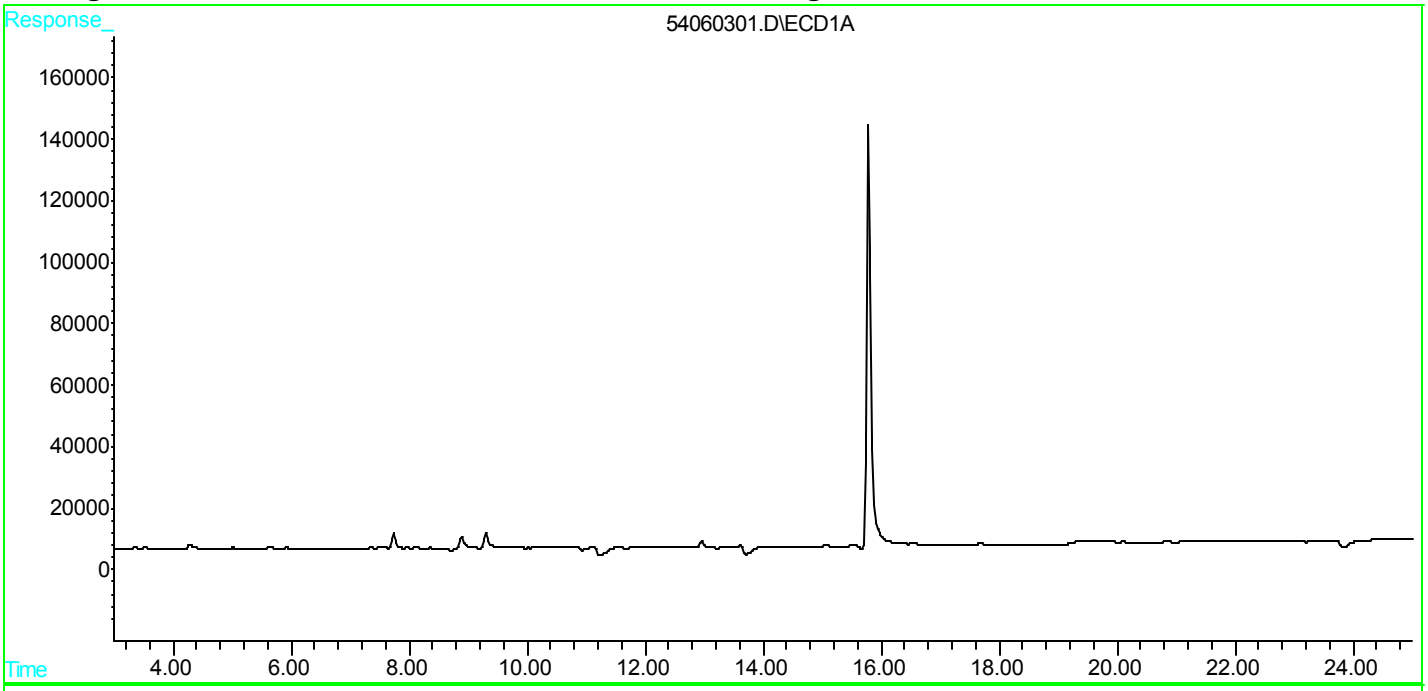
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

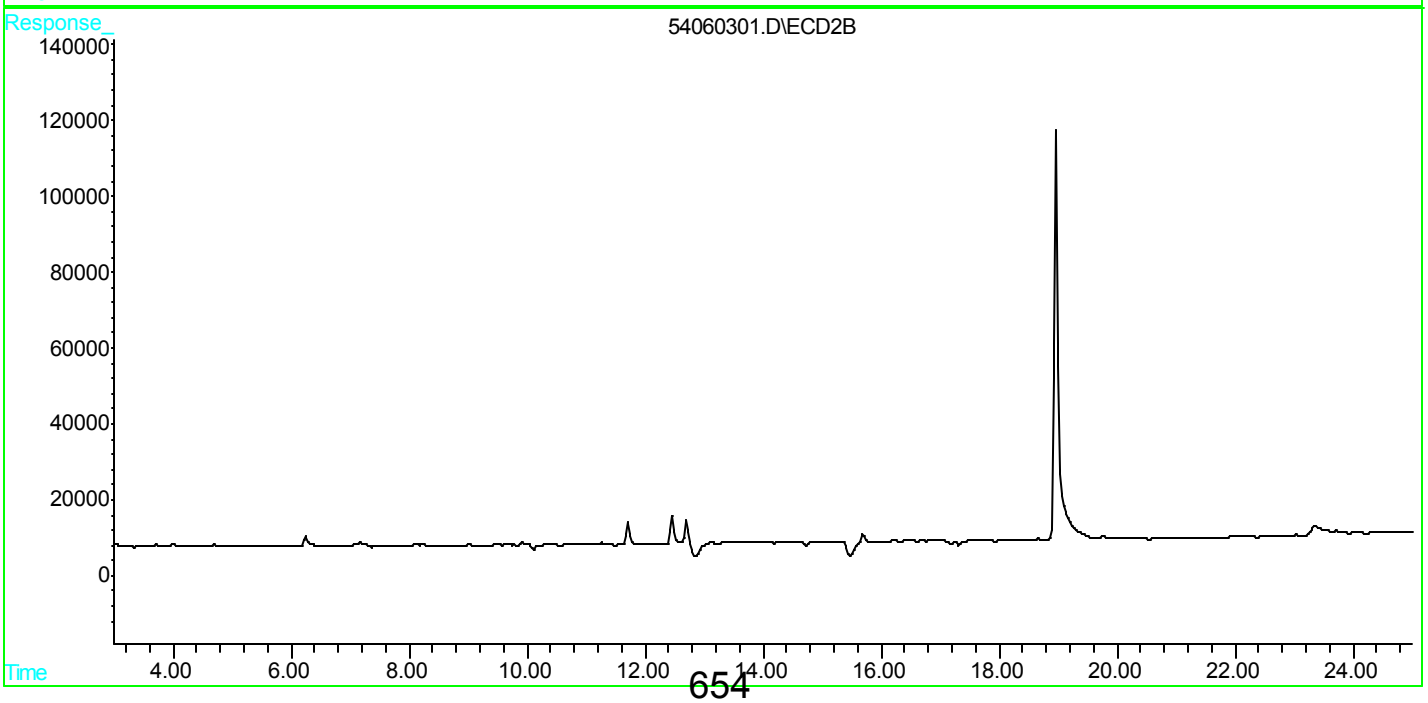
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD1A.CH Vial: 25
Signal #2 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD2B.CH
Acq On : 3 Jun 2004 8:57 am Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 11:42 2004 Quant Results File: 5PCB4E26.RES

Quant Method : E:\HPCHEM\1...\5PCB4E26.M (Chemstation Integrator)
Title : PCB 5/26/04 Update AR1248 from 5PCB4E10.M
Last Update : Wed May 26 14:11:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD1A.CH Vial: 26
Signal #2 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD2B.CH
Acq On : 3 Jun 2004 10:11 am Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 10:56 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Jun 03 10:55:22 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.32	5.87	1123992	1488857	19.503	25.434 #
	Spiked Amount 50.000	Range 30 - 150		Recovery =		39.01%	50.87%
32)	SA DCB	19.03	22.56	1855962	1703681	13.684	16.355
	Spiked Amount 50.000	Range 30 - 150		Recovery =		27.37%#	32.71%
	Target Compounds						
2)	A alpha-BHC	5.59	7.62	550729	826627	9.230	11.170
3)	MA gamma-BHC	6.38	8.67	541086	815357	9.049	11.361 #
6)	B beta-BHC	6.67	8.97	323654	461570	9.197m	10.512
14)	MA Endrin	12.28	15.18	2970623	3050634	47.907	50.398
16)	A 4,4'-DDD	12.75	15.71	254195	326114	8.150	7.224
17)	MA 4,4'-DDT	13.50	16.57	5267949	4930203	93.007	97.459
18)	B Endrin aldehyde	14.09f	16.77f	98692	53826	1.706m	0.953m#
20)	A Methoxychlor	15.01	18.59	6512446	6331131	224.384	241.431
21)	B Endrin ketone	15.97f	18.97f	149353	244041	2.237m	3.712m#
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

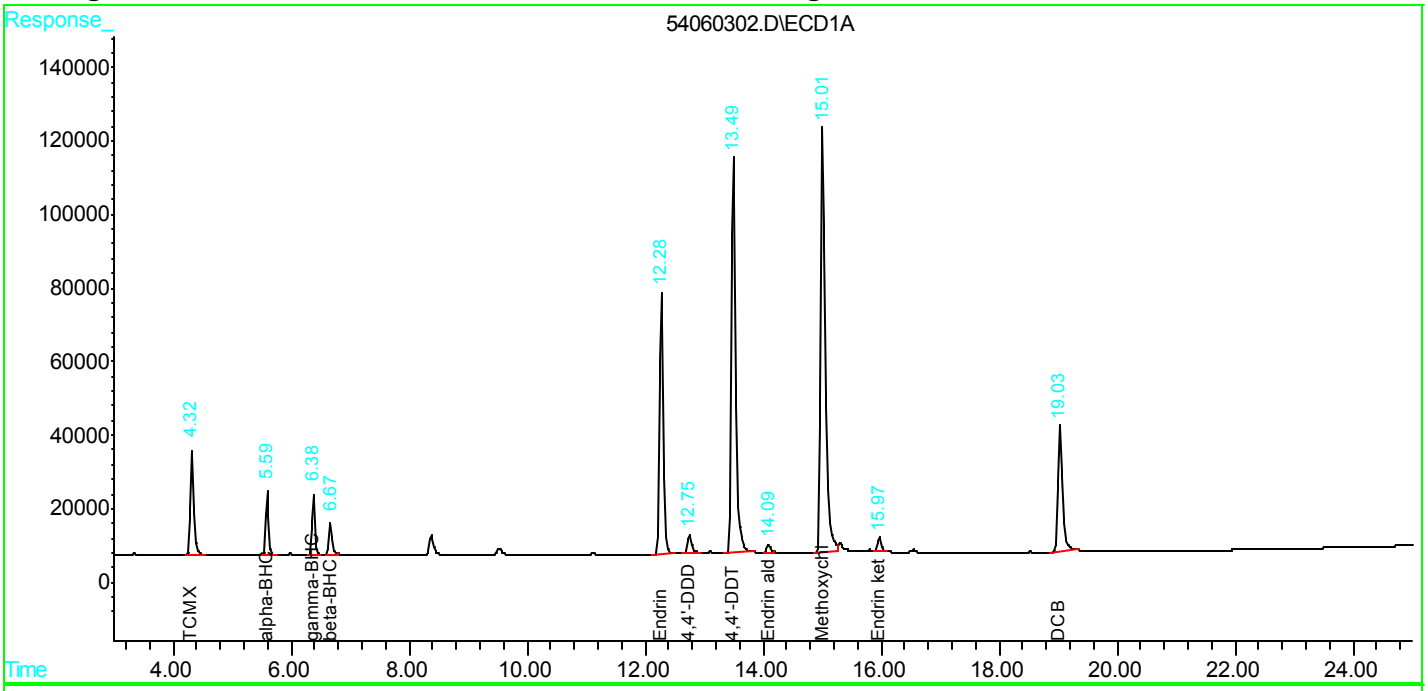
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

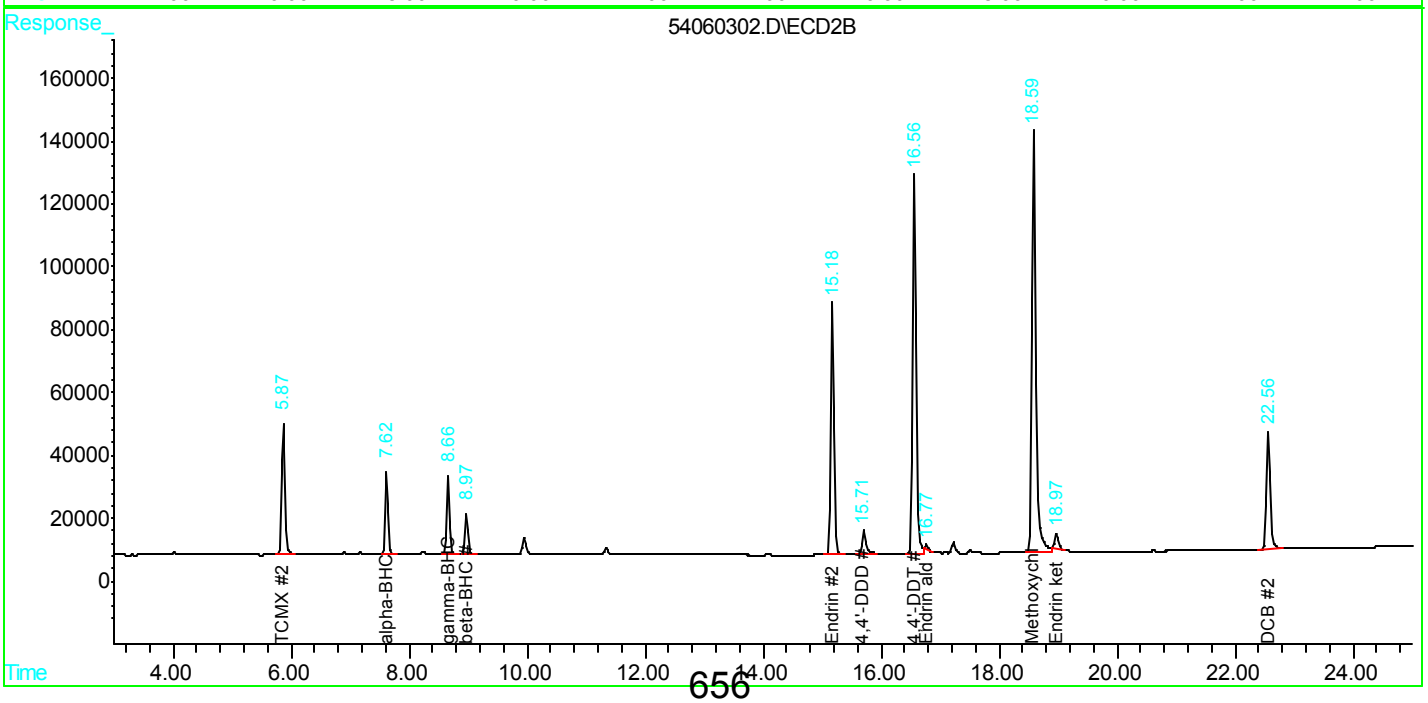
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD1A.CH Vial: 26
Signal #2 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD2B.CH
Acq On : 3 Jun 2004 10:11 am Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 10:56 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Jun 03 10:55:22 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX	4.30	5.86	549962	731344	9.582m	10.409m
	Spiked Amount 50.000	Range 30 - 150		Recovery =		19.16%#	20.82%#
45) S	DCB	19.02	22.56	991037	907733	10.714m	11.228m
	Spiked Amount 50.000	Range 30 - 150		Recovery =		21.43%#	22.46%#
	Target Compounds						
2) L1	Aroclor-1016 {1}	5.99	8.39	308632	360418	55.625m	89.962m#
3) L1	Aroclor-1016 {2}	7.16	9.69	614524	711066	58.219m	42.639 #
4) L1	Aroclor-1016 {3}	7.50	10.06	230354	337545	103.412m	65.349 #
5) L1	Aroclor-1016 {4}	8.55	10.65	234140	177895	100.869m	43.864 #
6) L1	Aroclor-1016 {5}	10.28	11.73	129778	227322	83.614m	102.813
	Sum Aroclor-1016			1517428	1814246	401.740	344.626
Average	Aroclor-1016					80.348	68.925
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060303.D 5PCB4G03.M Thu Jun 03 16:27:13 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	L7 Aroclor-1260 {1}	11.83	14.95	432034	421583	61.713m	41.389	#
31)	L7 Aroclor-1260 {2}	12.61	15.56	725352	506459	43.457m	46.157	
32)	L7 Aroclor-1260 {3}	13.36	16.54	560390	603449	99.450m	104.325	
33)	L7 Aroclor-1260 {4}	14.34	16.80	326760	402112	67.695m	35.525	#
34)	L7 Aroclor-1260 {5}	15.99	17.61	267294	387212	85.431m	68.605	
	Sum Aroclor-1260			2311830	2320815	357.745	296.001	
	Average Aroclor-1260					71.549	59.200	
	Sum Aroclor-1262			0	0	N.D.	N.D.	
	Average Aroclor-1262					0.000	0.000	
	Sum Aroclor-1268			0	0	N.D.	N.D.	
	Average Aroclor-1268					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060303.D 5PCB4G03.M Thu Jun 03 16:27:14 2004 Page 2

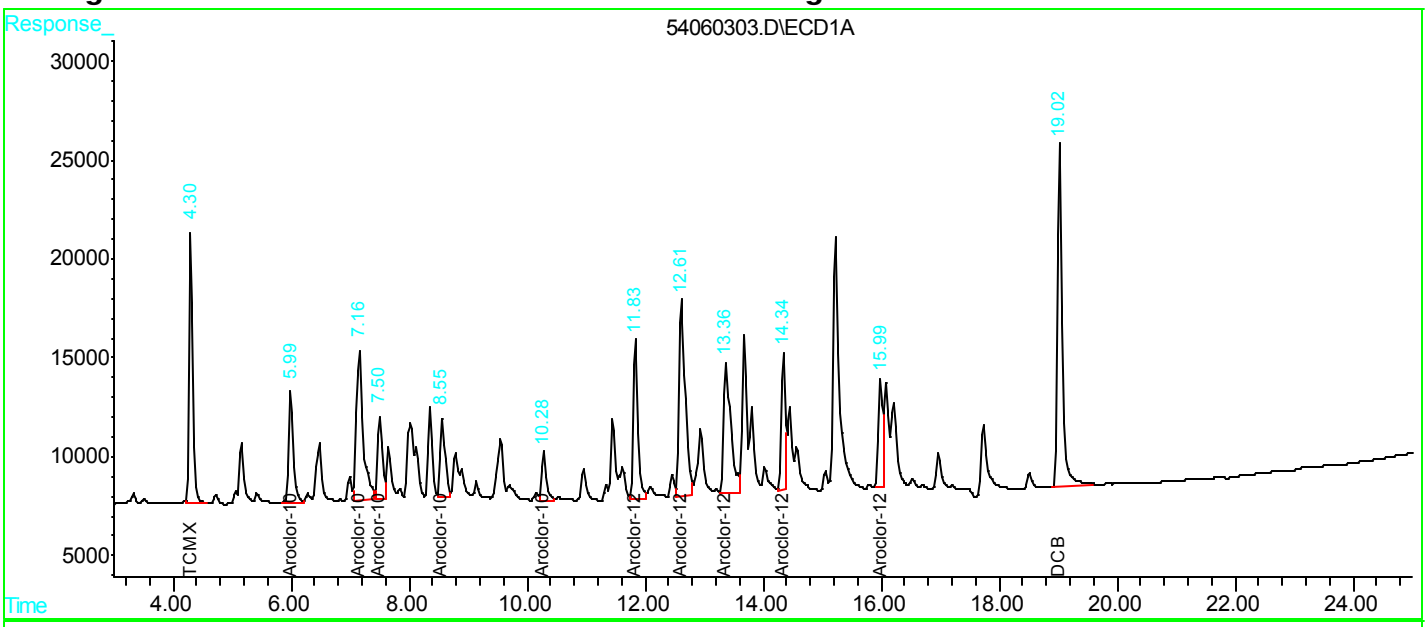
Quantitation Report

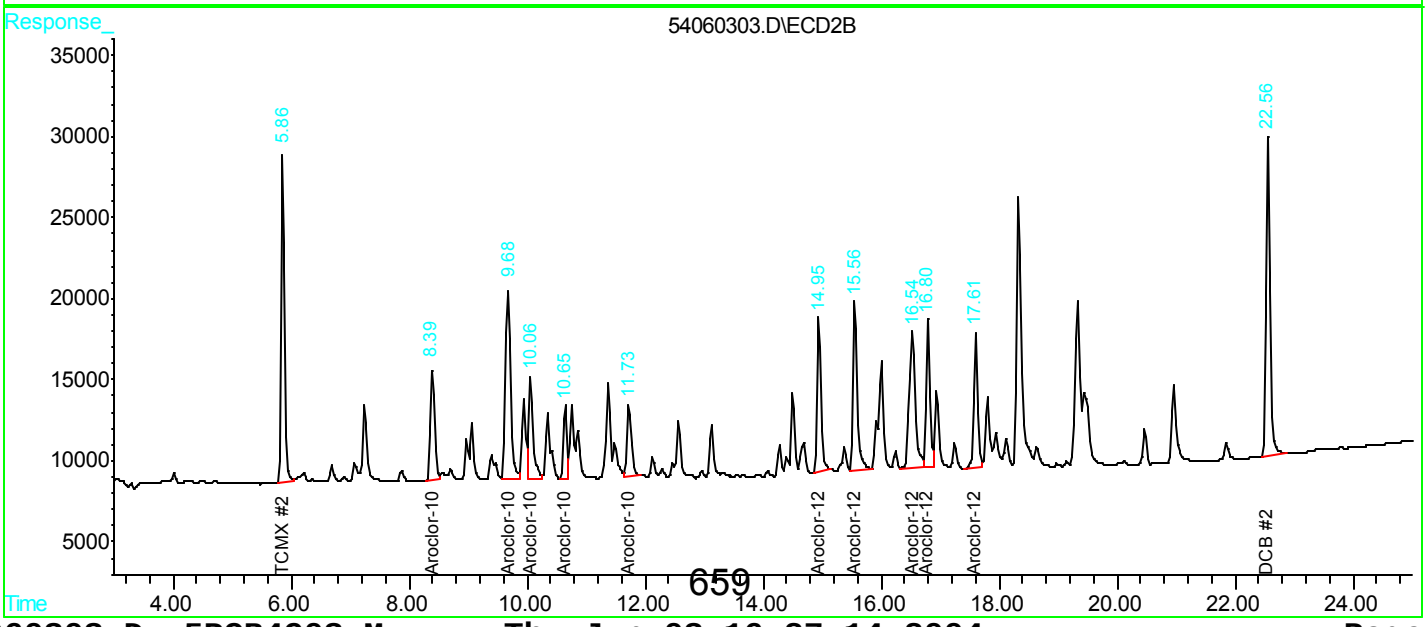
Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	1500258	1899735	26.018	26.915
Spiked Amount 50.000	Range 30 - 150		Recovery =		52.04%	53.83%
45) S DCB	19.03	22.56	2463214	2175921	26.319	26.833
Spiked Amount 50.000	Range 30 - 150		Recovery =		52.64%	53.67%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	720504	825519	243.773	263.315
3) L1 Aroclor-1016 {2}	7.16	9.68	1589532	1740125	250.212	251.070
4) L1 Aroclor-1016 {3}	7.50	10.06	618248	803562	275.079	260.052
5) L1 Aroclor-1016 {4}	8.55	10.65	630096	417265	268.731	255.074
6) L1 Aroclor-1016 {5}	10.28	11.73	309066	581998	244.483	263.226
Sum Aroclor-1016			3867447	4368470	1282.278	1292.738
Average Aroclor-1016					256.456	258.548
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30) L7 Aroclor-1260 {1}	11.83	14.95	988826	1101346	233.318m	263.065
31) L7 Aroclor-1260 {2}	12.61	15.56	1837779	1297371	239.933	255.851
32) L7 Aroclor-1260 {3}	13.37	16.53	1510251	1602400	267.931	277.026
33) L7 Aroclor-1260 {4}	14.34	16.80	861476	1042270	241.341	243.027
34) L7 Aroclor-1260 {5}	15.99	17.61	717353	980025	230.334	248.035
Sum Aroclor-1260			5915686	6023411	1212.856	1287.004
Average Aroclor-1260					242.571	257.401
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

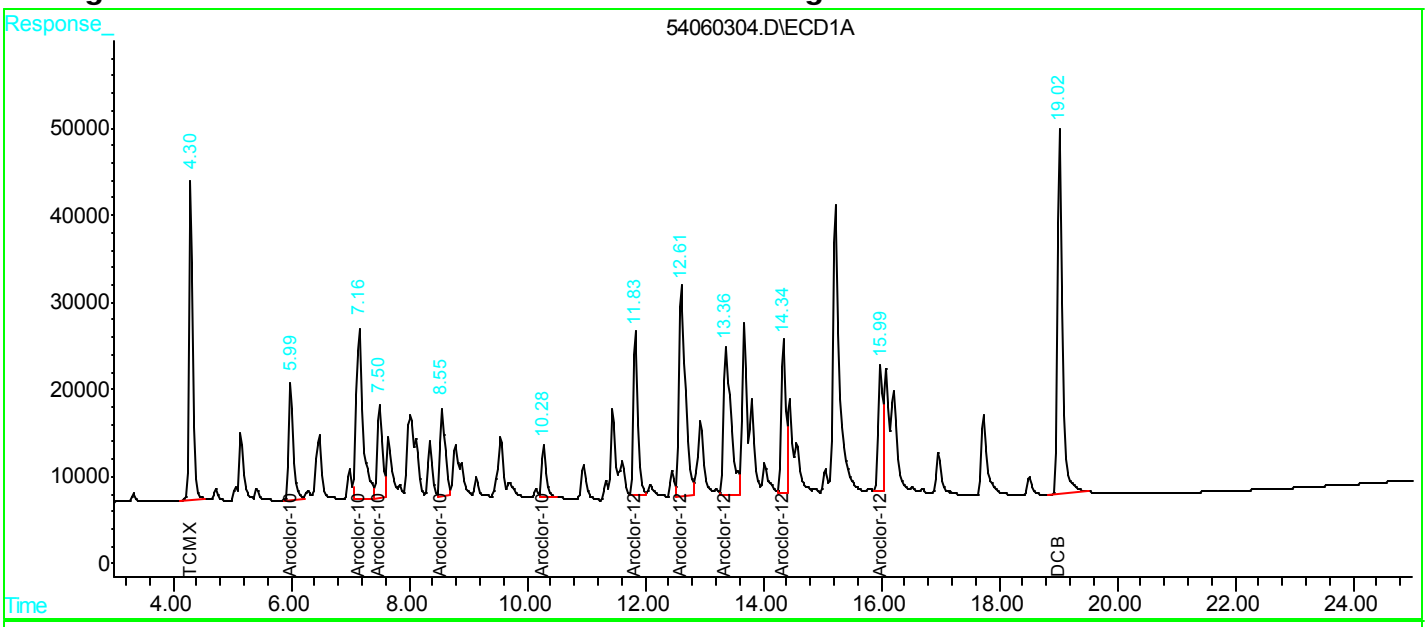
Quantitation Report

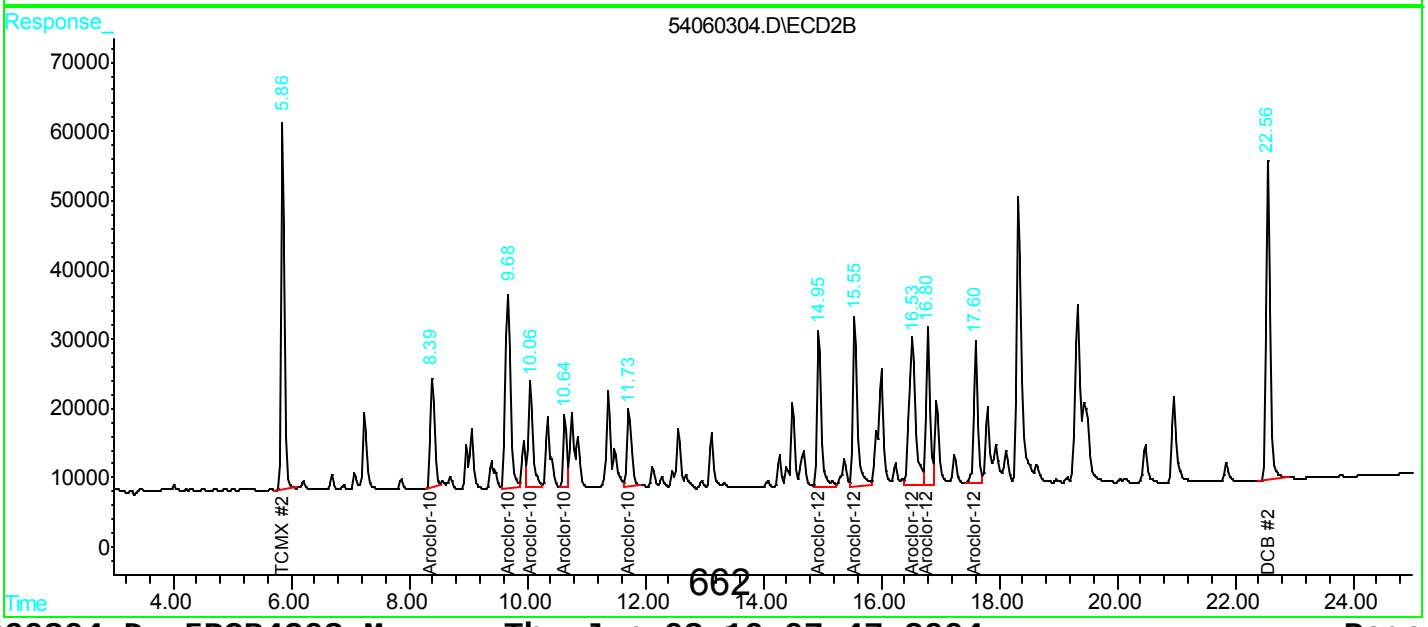
Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	2871115	3494910	49.792	49.515
Spiked Amount 50.000	Range 30 - 150		Recovery =		99.58%	99.03%
45) S DCB	19.02	22.56	4534971	3889512	48.456	47.965
Spiked Amount 50.000	Range 30 - 150		Recovery =		96.91%	95.93%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1297272	1437523	510.746	495.810
3) L1 Aroclor-1016 {2}	7.16	9.68	2817453	2973887	493.925	500.962
4) L1 Aroclor-1016 {3}	7.49	10.06	1100915	1360746	489.833	492.846
5) L1 Aroclor-1016 {4}	8.55	10.64	1129299	679738	481.637	486.669
6) L1 Aroclor-1016 {5}	10.28	11.73	555552	1040073	465.566	470.405
Sum Aroclor-1016			6900491	7491968	2441.707	2446.693
Average Aroclor-1016					488.341	489.339
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	1848023	1805334	503.211	492.641
31) L7 Aroclor-1260 {2}	12.61	15.55	3352484	2201977	507.141	495.689
32) L7 Aroclor-1260 {3}	13.36	16.53	2822910	2783999	500.807	481.303
33) L7 Aroclor-1260 {4}	14.34	16.80	1681229	1834218	506.995	499.732
34) L7 Aroclor-1260 {5}	15.98	17.60	1717942	1790633	551.611	493.385

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060305.D 5PCB4G03.M Thu Jun 03 16:08:49 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

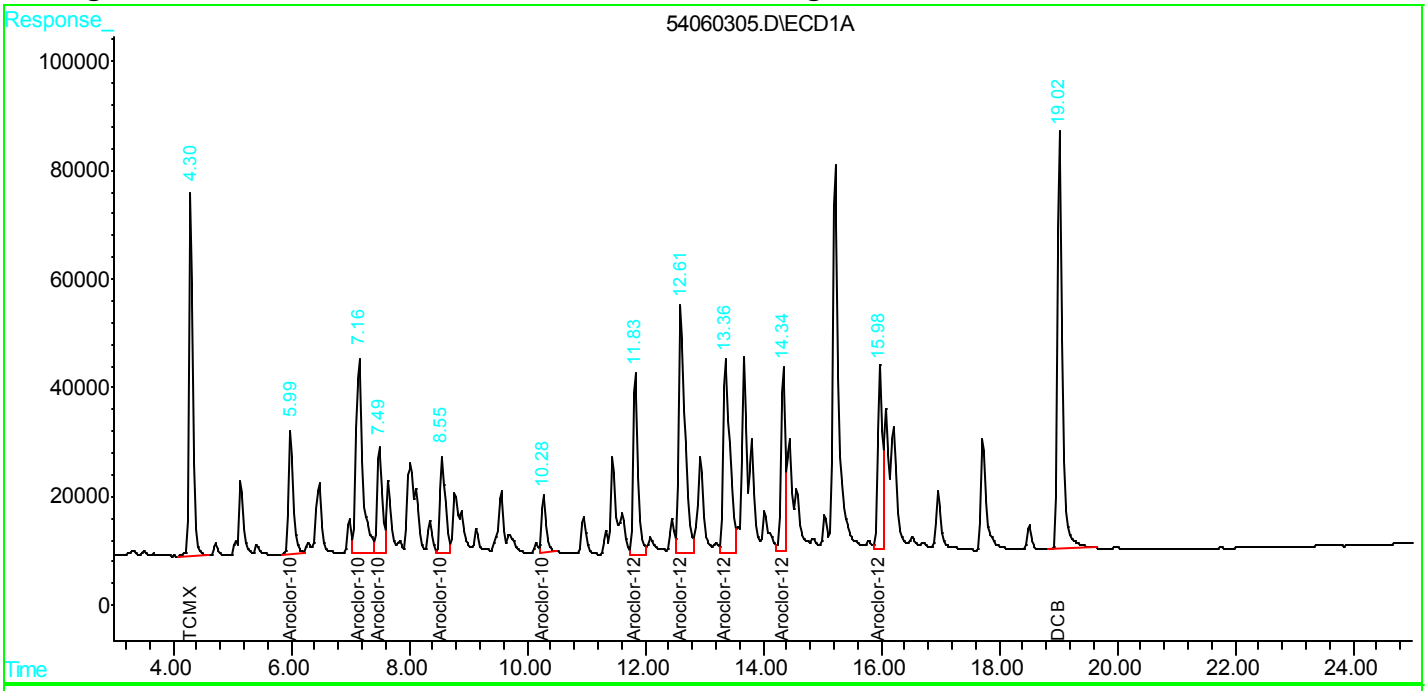
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			11422589	10416162	2569.765	2462.750
Average Aroclor-1260					513.953	492.550
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

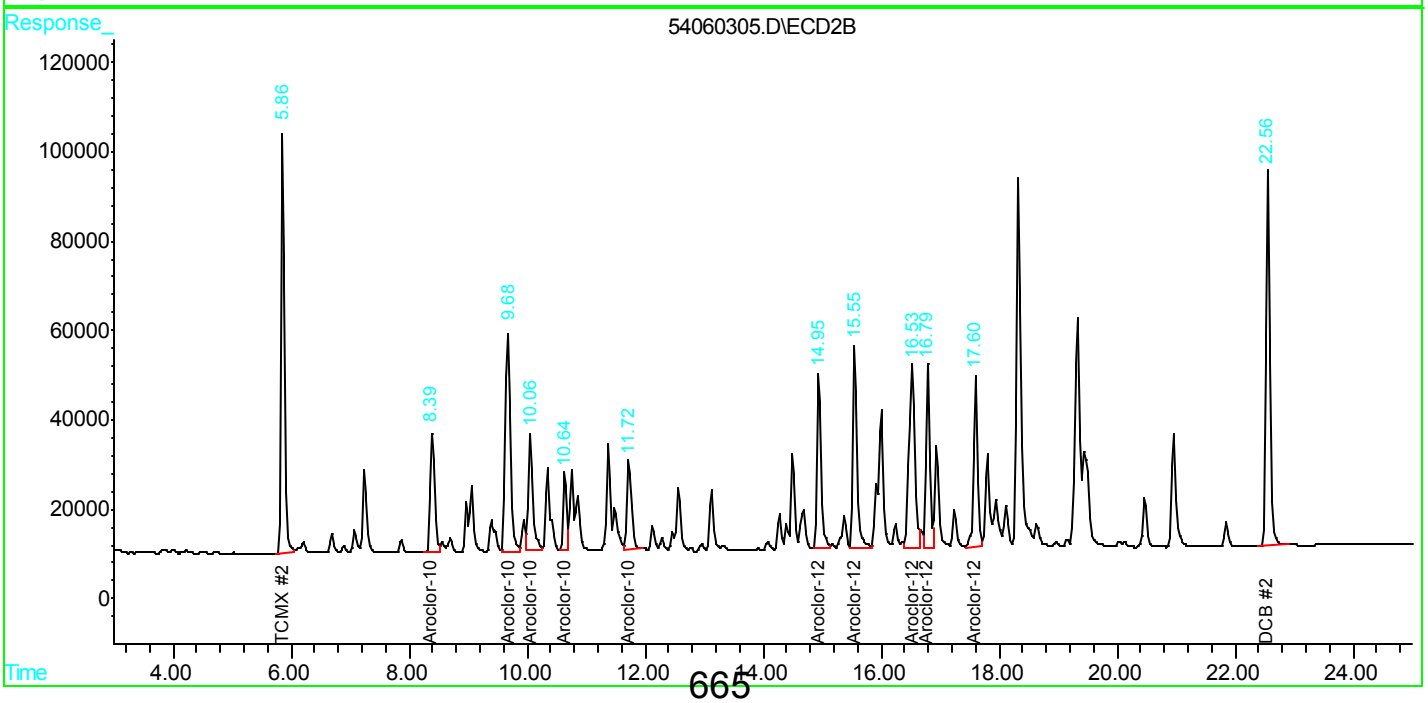
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	4446727	5329923	77.118	75.513
Spiked Amount 50.000	Range 30 - 150		Recovery =		154.24%#	151.03%#
45) S DCB	19.03	22.56	6829526	5719873	72.973	70.537
Spiked Amount 50.000	Range 30 - 150		Recovery =		145.95%	141.07%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1898510	2150284	789.045	766.583
3) L1 Aroclor-1016 {2}	7.16	9.68	4305233	4423050	789.214	794.483
4) L1 Aroclor-1016 {3}	7.49	10.06	1698277	2043446	755.620	778.081
5) L1 Aroclor-1016 {4}	8.55	10.64	1807209	1033708	770.761	798.998
6) L1 Aroclor-1016 {5}	10.28	11.73	910092	1718692	783.567	777.331
Sum Aroclor-1016			10619321	11369180	3888.207	3915.476
Average Aroclor-1016					777.641	783.095
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	2775748	2713304	797.421	788.737
31) L7 Aroclor-1260 {2}	12.61	15.55	4984843	3320191	795.104	792.161
32) L7 Aroclor-1260 {3}	13.36	16.53	4240480	4394849	752.295	759.789
33) L7 Aroclor-1260 {4}	14.34	16.79	2510958	2761438	775.882	800.284
34) L7 Aroclor-1260 {5}	15.99	17.60	2360180	2722422	757.827	775.413

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060306.D 5PCB4G03.M Thu Jun 03 16:09:52 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

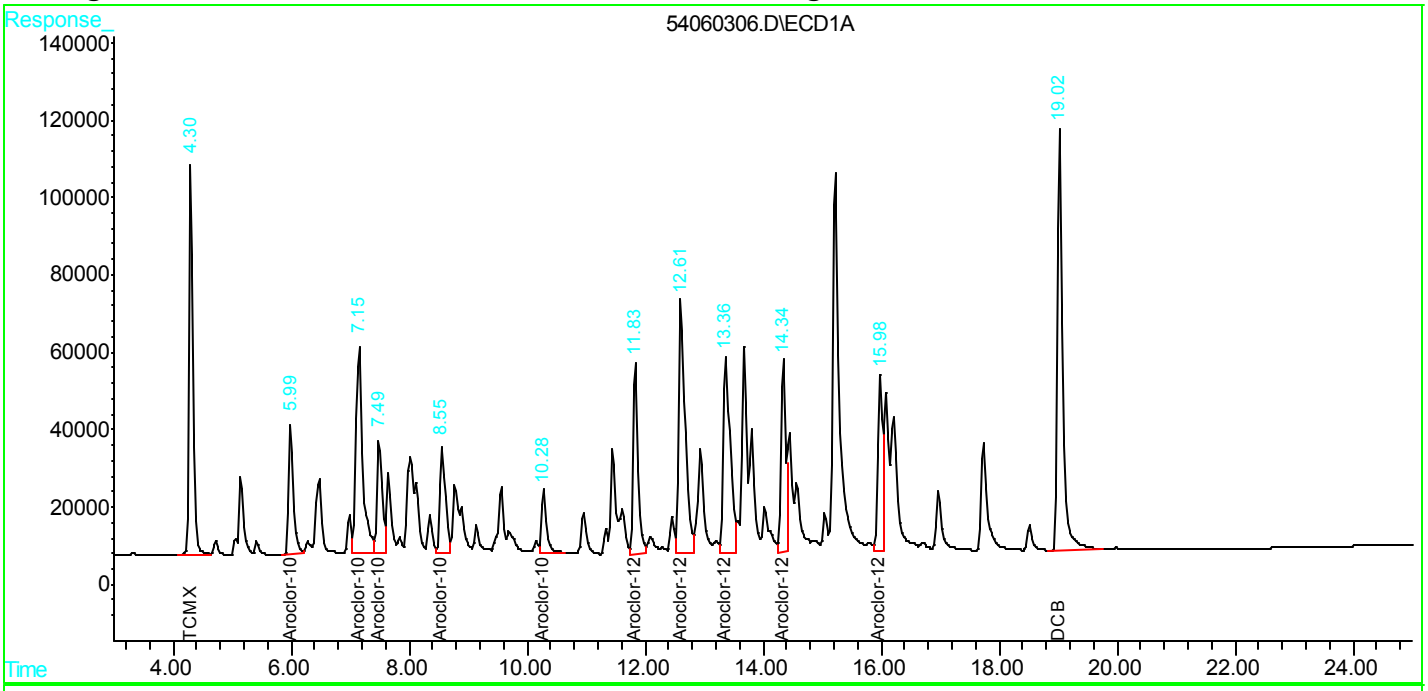
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			16872209	15912203	3878.529	3916.384
Average Aroclor-1260					775.706	783.277
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

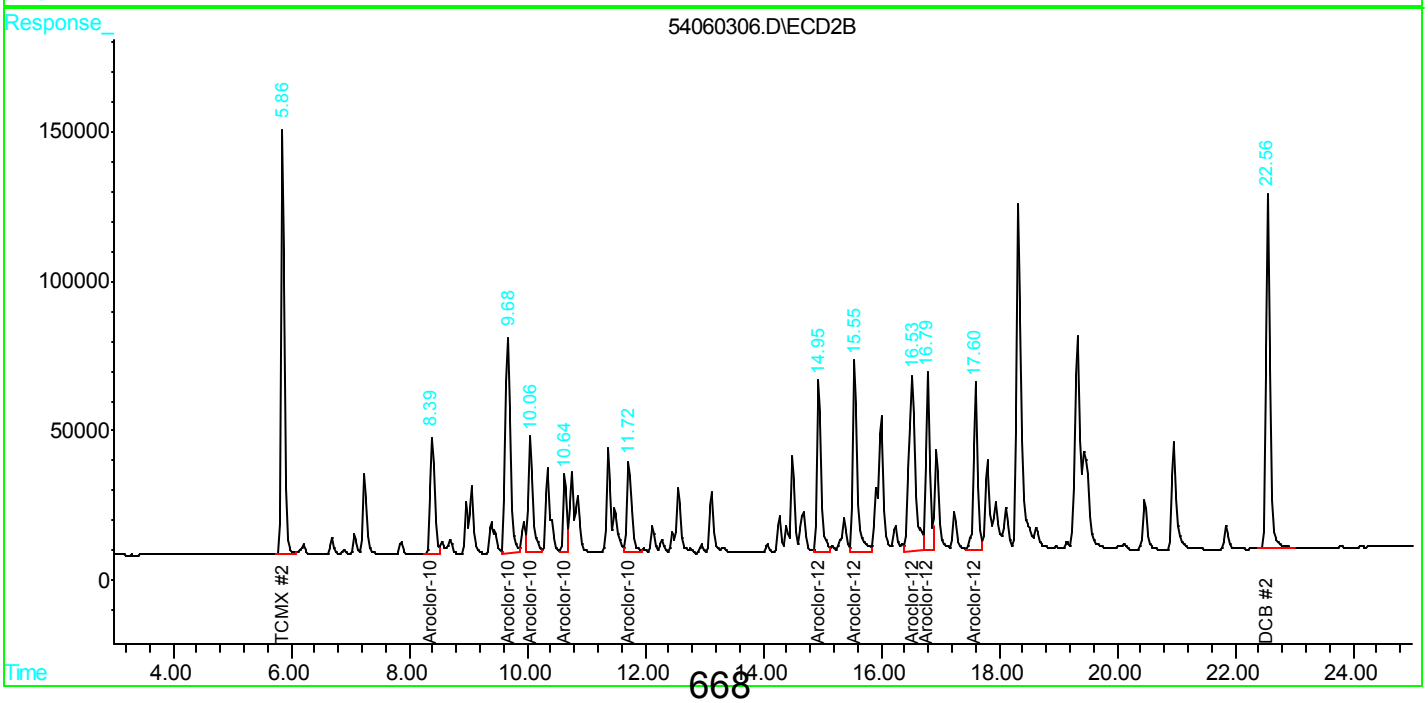
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	5890913	6934999	102.163	98.253
Spiked Amount 50.000	Range 30 - 150		Recovery =		204.33%#	196.51%#
45) S DCB	19.03	22.56	8855450	7358923	94.620	90.749
Spiked Amount 50.000	Range 30 - 150		Recovery =		189.24%#	181.50%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	2429941	2732248	1035.033	987.667
3) L1 Aroclor-1016 {2}	7.16	9.68	5578874	5684908	1042.002	1050.066
4) L1 Aroclor-1016 {3}	7.49	10.06	2209743	2631745	983.187	1023.875
5) L1 Aroclor-1016 {4}	8.56	10.65	2361429	1325576	1007.131	1056.529
6) L1 Aroclor-1016 {5}	10.28	11.73	1207550	2245915	1050.369	1015.784
Sum Aroclor-1016			13787537	14620391	5117.722	5133.921
Average Aroclor-1016					1023.544	1026.784
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	3593398	3517883	1056.722	1051.116
31) L7 Aroclor-1260 {2}	12.61	15.55	6472351	4276951	1057.514	1045.826
32) L7 Aroclor-1260 {3}	13.36	16.53	5606694	5790575	994.672	1001.084
33) L7 Aroclor-1260 {4}	14.34	16.79	3304365	3600472	1032.999	1072.251
34) L7 Aroclor-1260 {5}	15.99	17.60	3222303	3600700	1034.644	1041.245

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060307.D 5PCB4G03.M Thu Jun 03 16:10:47 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

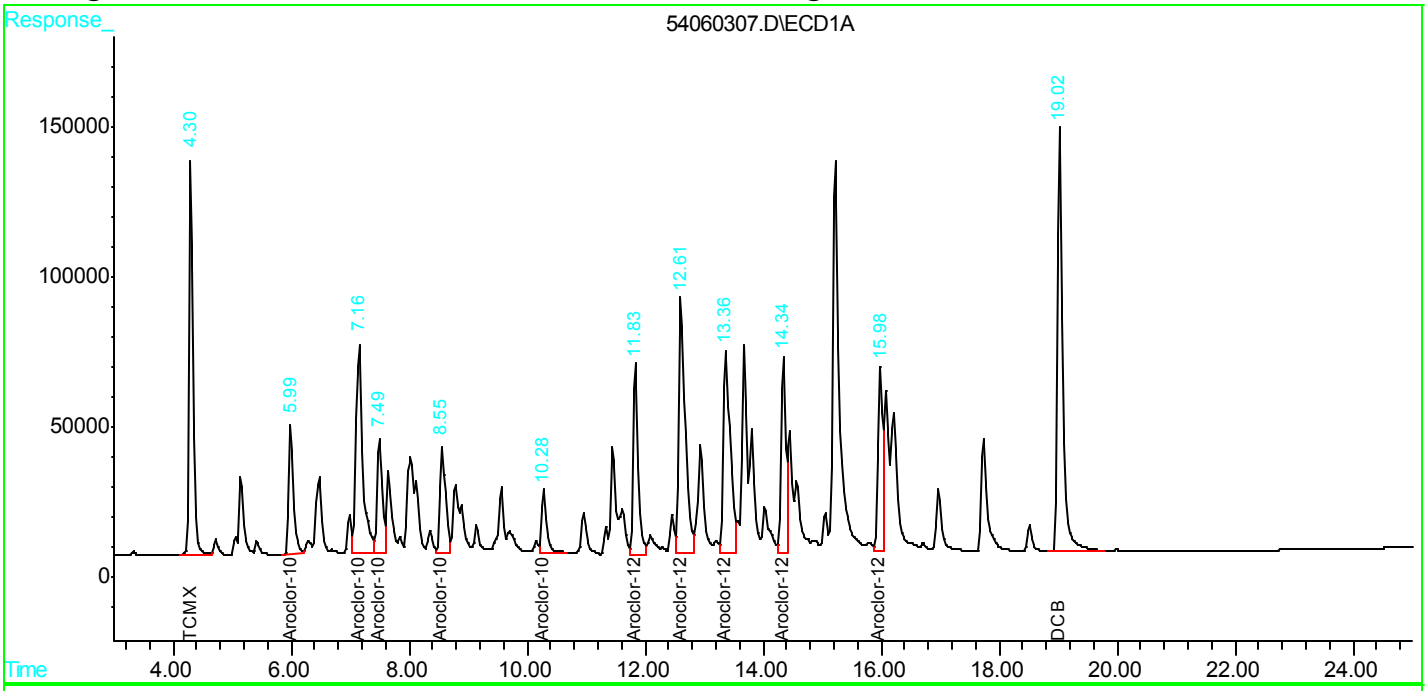
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			22199110	20786580	5176.551	5211.524
Average Aroclor-1260					1035.310	1042.305
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

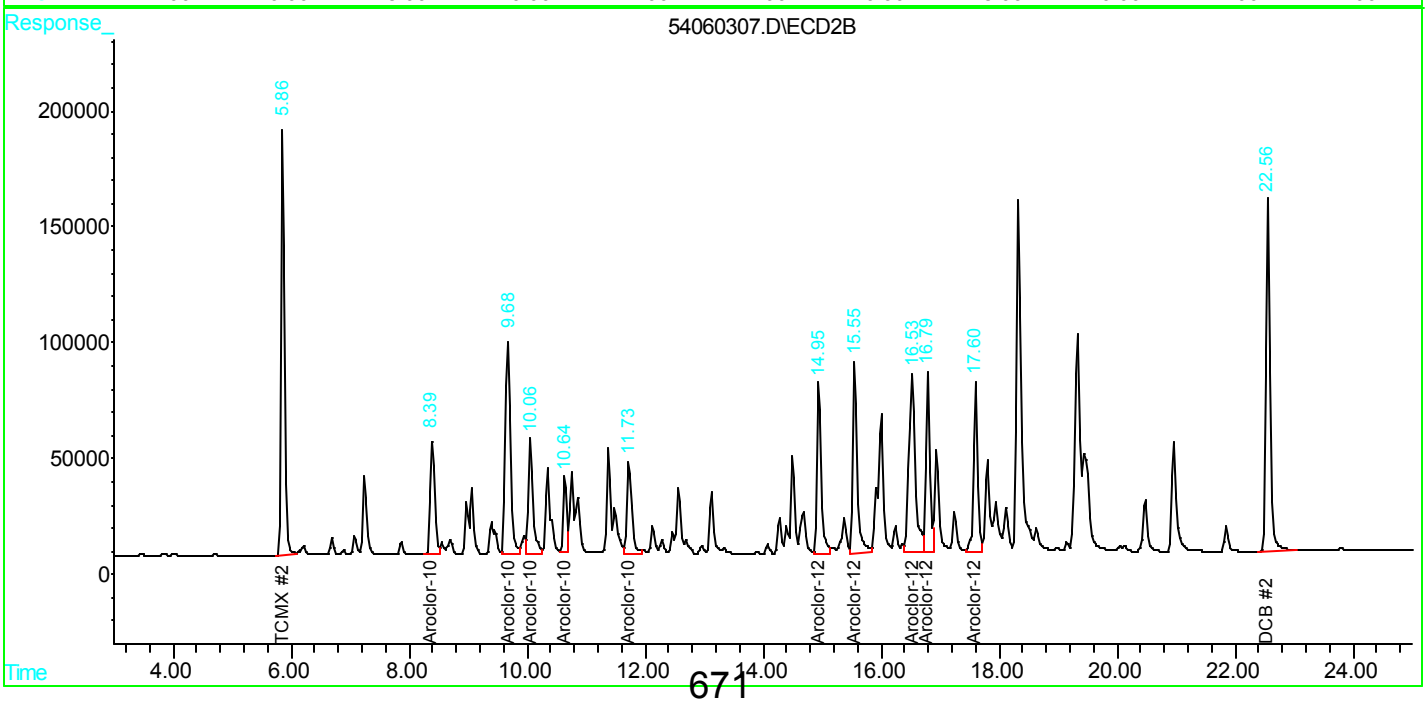
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	11068445	12812174	191.955	181.519
Spiked Amount 50.000	Range 30 - 150		Recovery =		383.91%#	363.04%#
45) S DCB	19.03	22.56	16258784	13330011	173.725	164.384
Spiked Amount 50.000	Range 30 - 150		Recovery =		347.45%#	328.77%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	4446121	4729851	1968.277	1746.541
3) L1 Aroclor-1016 {2}	7.15	9.68	10244168	10181265	1967.951	1960.780
4) L1 Aroclor-1016 {3}	7.49	10.06	4065400	4919709	1808.831	1979.796
5) L1 Aroclor-1016 {4}	8.55	10.64	4353651	2348219	1856.799	1958.867
6) L1 Aroclor-1016 {5}	10.28	11.72	2235459	4094473	1972.342	1851.852
Sum Aroclor-1016			25344800	26273517	9574.200	9497.836
Average Aroclor-1016					1914.840	1899.567
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	6434599	6314308	1957.753	1963.053
31) L7 Aroclor-1260 {2}	12.61	15.55	11569046	7741250	1956.618	1964.315
32) L7 Aroclor-1260 {3}	13.36	16.53	10537935	10086703	1869.513	1743.806
33) L7 Aroclor-1260 {4}	14.34	16.79	6210334	6305846	1974.725	1949.180
34) L7 Aroclor-1260 {5}	15.98	17.60	6677979	6680154	2144.223	1973.317

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060308.D 5PCB4G03.M Thu Jun 03 16:11:53 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

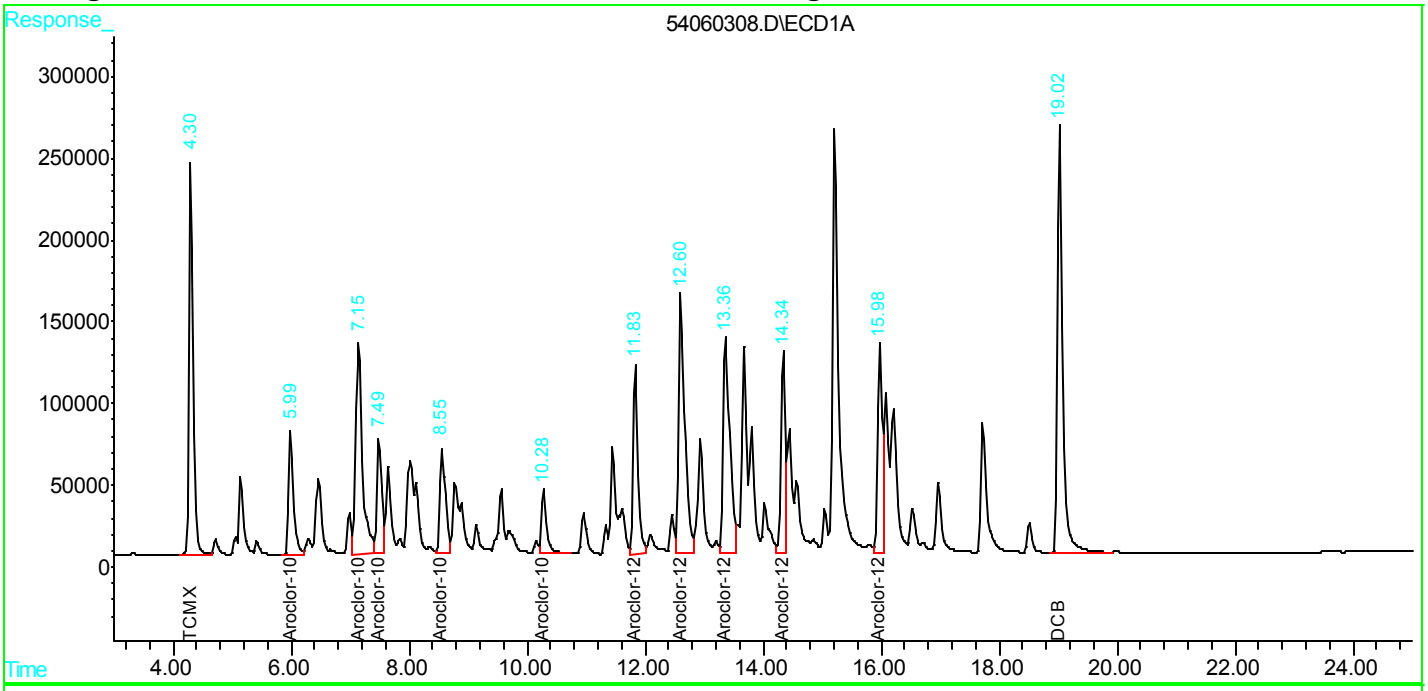
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			41429893	37128261	9902.832	9593.671
Average Aroclor-1260					1980.566	1918.734
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

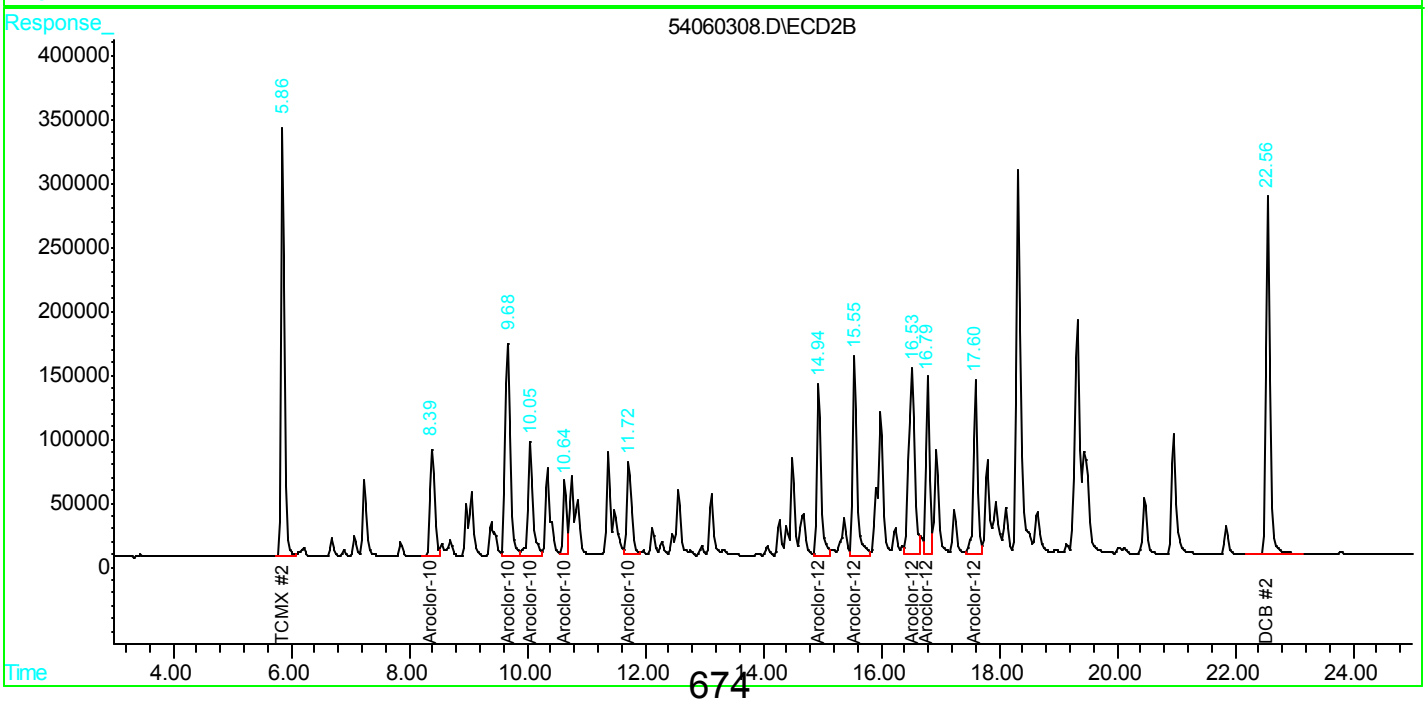
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	2959422	3533635	51.324	50.063
Spiked Amount 50.000	Range 30 - 150		Recovery =		102.65%	100.13%
45) S DCB	19.03	22.56	4768907	4077965	50.956	50.289
Spiked Amount 50.000	Range 30 - 150		Recovery =		101.91%	100.58%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1384203	1582255	550.984	550.793
3) L1 Aroclor-1016 {2}	7.16	9.68	2961288	3187256	522.473m	544.179m
4) L1 Aroclor-1016 {3}	7.49	10.06	1184546	1374642	527.044m	498.652m
5) L1 Aroclor-1016 {4}	8.55	10.65	1179512	777753	503.053m	573.153
6) L1 Aroclor-1016 {5}	10.28	11.73	810434	1021592	694.180m	462.046m#
Sum Aroclor-1016			7519983	7943498	2797.733	2628.824
Average Aroclor-1016					559.547	525.765
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	1882394	2017100	514.111m	561.699m
31) L7 Aroclor-1260 {2}	12.61	15.55	3465884	2310578	527.146m	524.483m
32) L7 Aroclor-1260 {3}	13.36	16.53	3172828	3217624	562.885m	556.268m
33) L7 Aroclor-1260 {4}	14.34	16.79	1435642	1643990	427.409m	438.071m
34) L7 Aroclor-1260 {5}	15.99	17.60	1549616	1744626	497.564	479.460m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060309.D 5PCB4G03.M Thu Jun 03 16:14:57 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

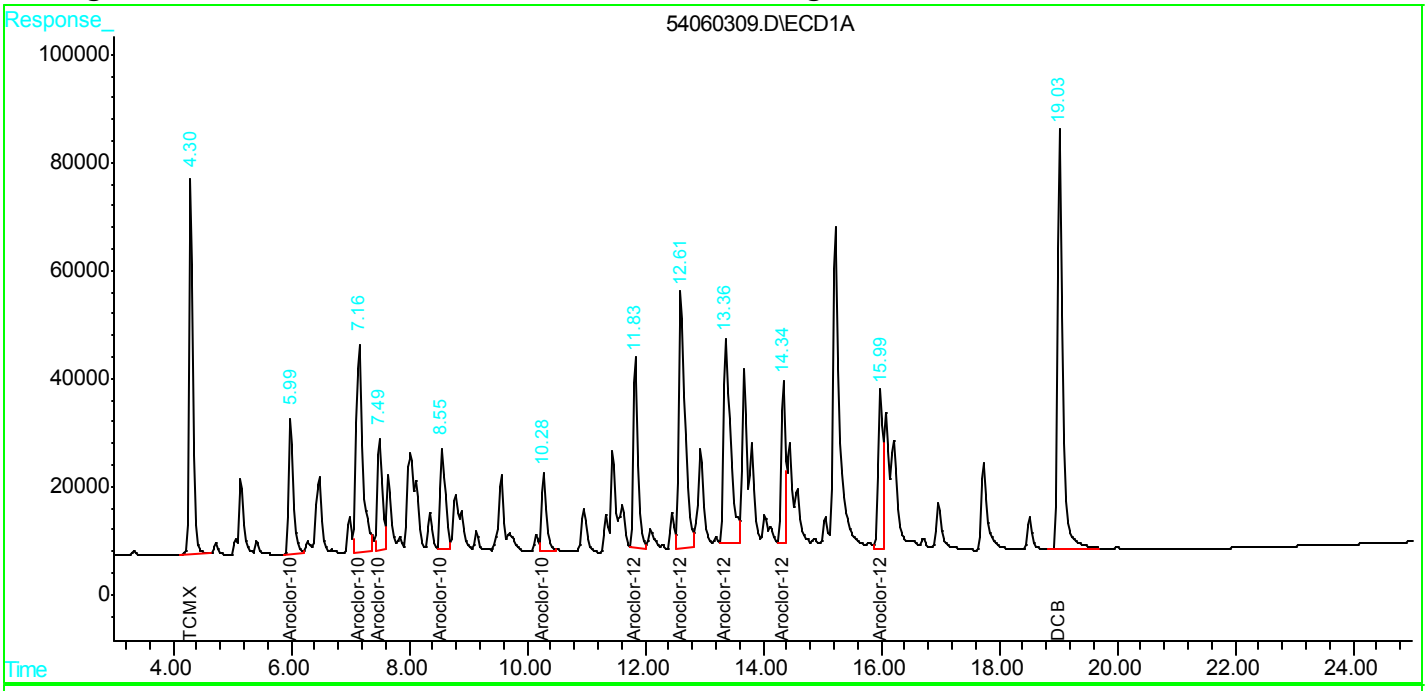
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			11506364	10933918	2529.114	2559.981
Average Aroclor-1260					505.823	511.996
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

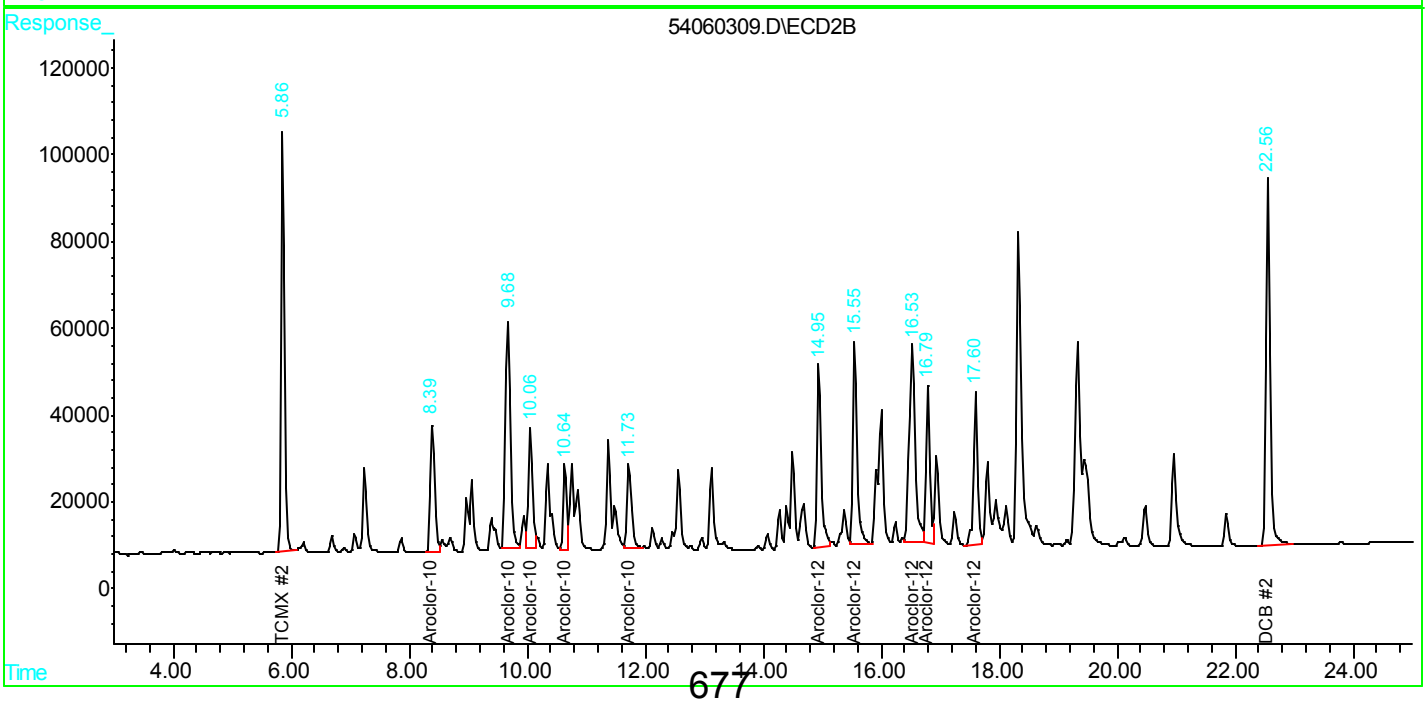
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	4475083	5386254	77.609	76.311
Spiked Amount 50.000	Range 30 - 150		Recovery =		155.22%#	152.62%#
45) S DCB	19.03	22.56	6908888	5841049	73.821	72.031
Spiked Amount 50.000	Range 30 - 150		Recovery =		147.64%	144.06%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1908936	2172605	793.871	775.062
3) L1 Aroclor-1016 {2}	7.16	9.68	4332693	4487401	794.664	807.517
4) L1 Aroclor-1016 {3}	7.49	10.06	1715144	2060598	763.124	785.248
5) L1 Aroclor-1016 {4}	8.55	10.64	1808497	1048462	771.310	812.016
6) L1 Aroclor-1016 {5}	10.28	11.73	914374	1700307	787.408	769.016
Sum Aroclor-1016			10679644	11469373	3910.377	3948.858
Average Aroclor-1016					782.075	789.772
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.94	2761242	2658646	792.821	770.912m
31) L7 Aroclor-1260 {2}	12.61	15.55	4982564	3131882	794.702	742.235m
32) L7 Aroclor-1260 {3}	13.36	16.53	4244015	4186096	752.922	723.699m
33) L7 Aroclor-1260 {4}	14.34	16.79	2518188	2818382	778.225	818.742
34) L7 Aroclor-1260 {5}	15.99	17.60	2371020	2772985	761.307	790.717

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

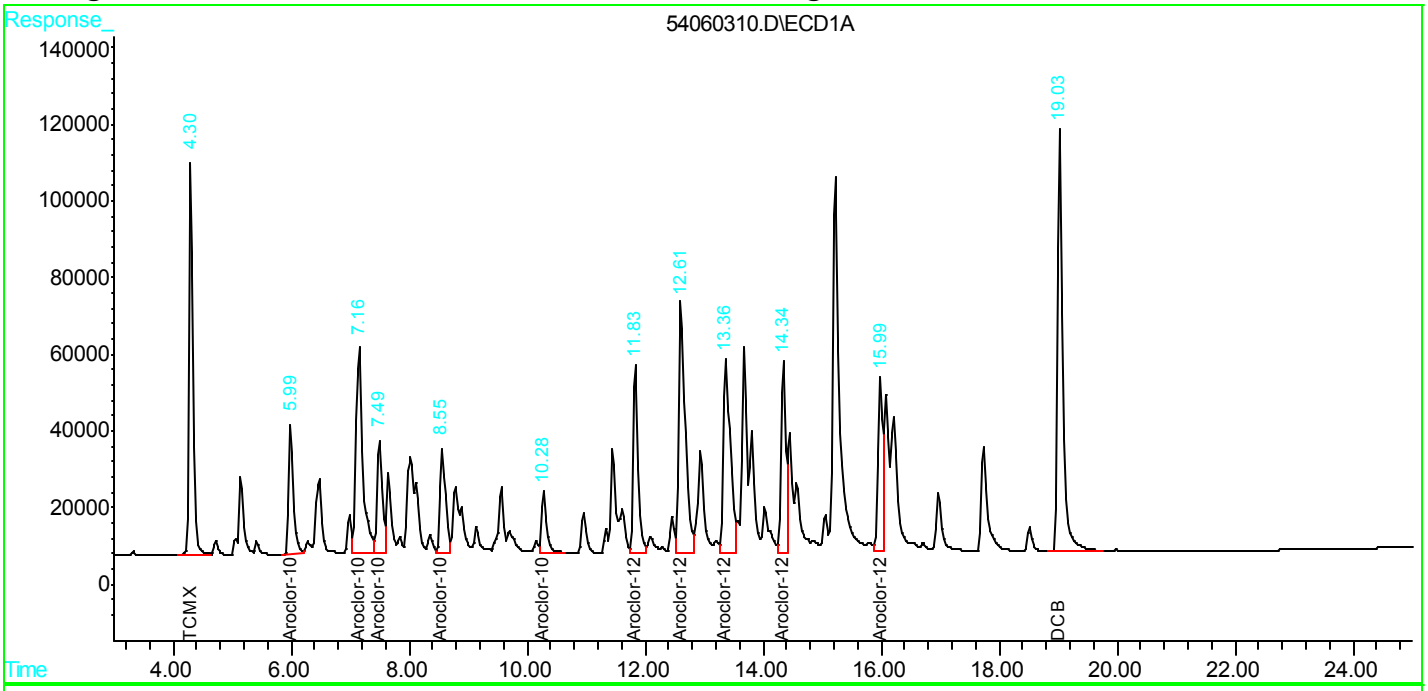
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			16877029	15567990	3879.977	3846.306
Average Aroclor-1260					775.995	769.261
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

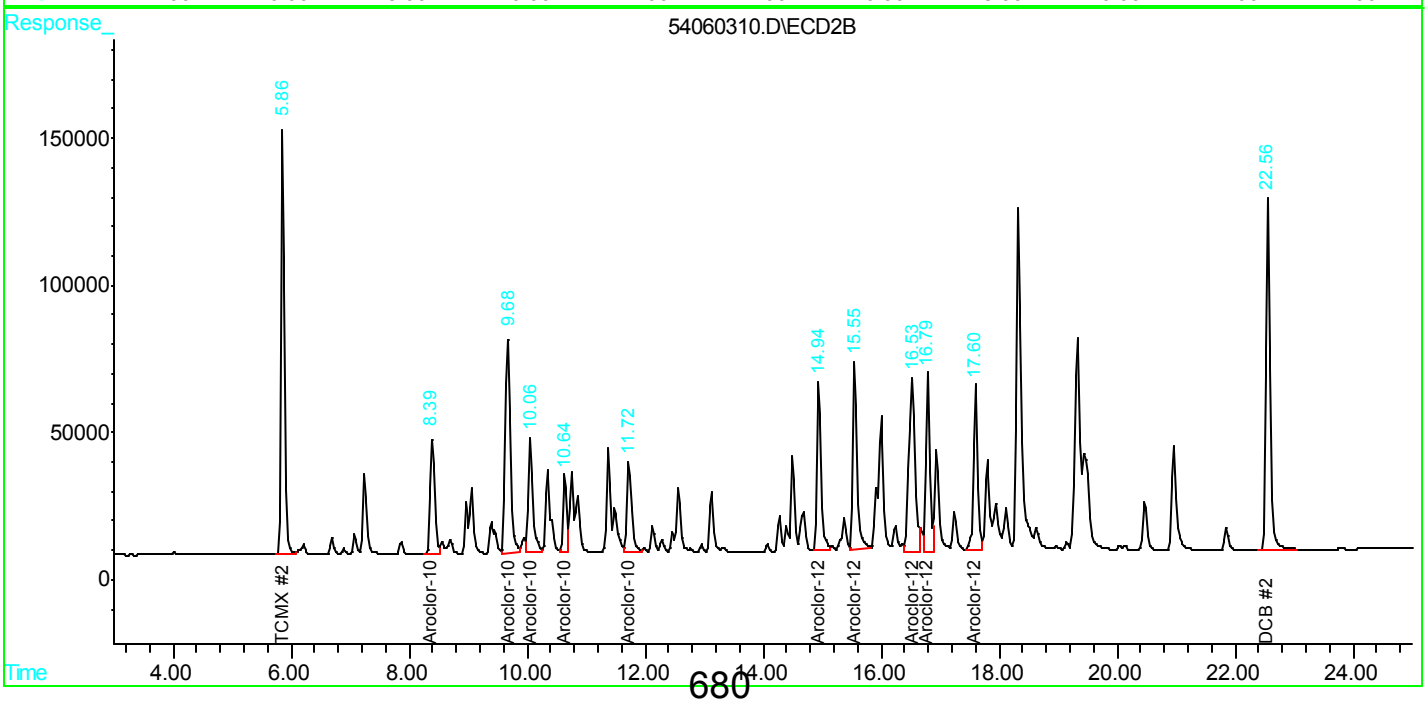
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Injection Log

Directory: E:\HPCHEM\1\DATA\540625

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
1	29	54062501.D	1.	HEX		CCB 8081_TCL_S	25 Jun 2004 16:49
2	30	54062502.D	1.	PEM		CCV 8081_TCL_S	25 Jun 2004 17:19
3	31	54062503.D	1.	INDA-05		CCV 8081_TCL_S	25 Jun 2004 17:48
4	32	54062504.D	1.	INDB-05		CCV 8081_TCL_S	25 Jun 2004 18:19
5	33	54062505.D	1.	1660-06		CCV 8081_TCL_S	25 Jun 2004 18:49
6	34	54062506.D	1.	0406919-001B	100X 46983	SAMP 8081_TCL_S	25 Jun 2004 19:19
7	35	54062507.D	1.	0406919-009B	100X 46983	SAMP 8081_TCL_S	25 Jun 2004 19:48
8	36	54062508.D	1.	INDA-06		CCV 8081_TCL_S	25 Jun 2004 20:17
9	37	54062509.D	1.	INDB-06		CCV 8081_TCL_S	25 Jun 2004 20:46
10	38	54062510.D	1.	MB-47055		MBLK 8082_S	25 Jun 2004 21:15
11	39	54062511.D	1.	LCS-47055		LCS 8082_S	25 Jun 2004 21:44
12	40	54062512.D	1.	0406B21-008A	47055	SAMP 8082_S	25 Jun 2004 22:14
13	41	54062513.D	1.	0406B21-008AMS	47055	MS 8082_S	25 Jun 2004 22:43
14	42	54062514.D	1.	0406B21-008AMSD	47055	MSD 8082_S	25 Jun 2004 23:12
15	43	54062515.D	1.	0406949-003A	10X	SAMP 8082_S	25 Jun 2004 23:41
16	44	54062516.D	1.	0406949-006A	10X	SAMP 8082_S	26 Jun 2004 00:10
17	45	54062517.D	1.	0406C14-004A	47055 0.5ML	SAMP 8082_S	26 Jun 2004 00:39
18	46	54062518.D	1.	0406C14-005A	47055	SAMP 8082_S	26 Jun 2004 01:08
19	47	54062519.D	1.	0406925-001B	47055	SAMP 8082_S	26 Jun 2004 01:37
20	48	54062520.D	1.	0406925-002B	47055	SAMP 8082_S	26 Jun 2004 02:06
21	49	54062521.D	1.	0406925-003B	47055	SAMP 8082_S	26 Jun 2004 02:35
22	50	54062522.D	1.	HEXANE		SAMP 8082_S	26 Jun 2004 03:05
23	50	54062523.D	1.	HEXANE		CCB 8082_S	26 Jun 2004 03:34
24	51	54062524.D	1.	1660-05		SAMP 8082_S	26 Jun 2004 04:03
25	52	54062525.D	1.	0406925-004B	47055	SAMP 8082_S	26 Jun 2004 04:32
26	53	54062526.D	1.	0406995-003B	47055	SAMP 8082_S	26 Jun 2004 05:01
27	54	54062527.D	1.	0406995-006B	47055	SAMP 8082_S	26 Jun 2004 05:30
28	55	54062528.D	1.	0406995-007B	47055	SAMP 8082_S	26 Jun 2004 05:59
29	56	54062529.D	1.	0406A91-001A	47055	SAMP 8082_S	26 Jun 2004 06:28
30	57	54062530.D	1.	0406A91-002A	47055	SAMP 8082_S	26 Jun 2004 06:57
31	58	54062531.D	1.	0406A91-003A	47055	SAMP 8082_S	26 Jun 2004 07:27
32	59	54062532.D	1.	0406A91-004A	47055	SAMP 8082_S	26 Jun 2004 07:56
33	60	54062533.D	1.	0406A91-005A	47055	SAMP 8082_S	26 Jun 2004 08:26
34	61	54062534.D	1.	0406B54-002B	47055	SAMP 8082_S	26 Jun 2004 08:55
35	62	54062535.D	1.	0406B54-007B	47055	SAMP 8082_S	26 Jun 2004 09:24
36	50	54062536.D	1.	HEXANE		CCB 8082_S	26 Jun 2004 09:54
37	63	54062538.D	1.	1660-06		SAMP 8082_S	26 Jun 2004 10:24
38	64	54062539.D	1.	1254-06		CCV 8082_S	26 Jun 2004 10:54

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062501.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540625\54062501.D\ECD2B.CH
Acq On : 25 Jun 2004 4:49 pm Operator: JMZ
Sample : HEX Inst : GC-5
Misc : CCB 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 11:37 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

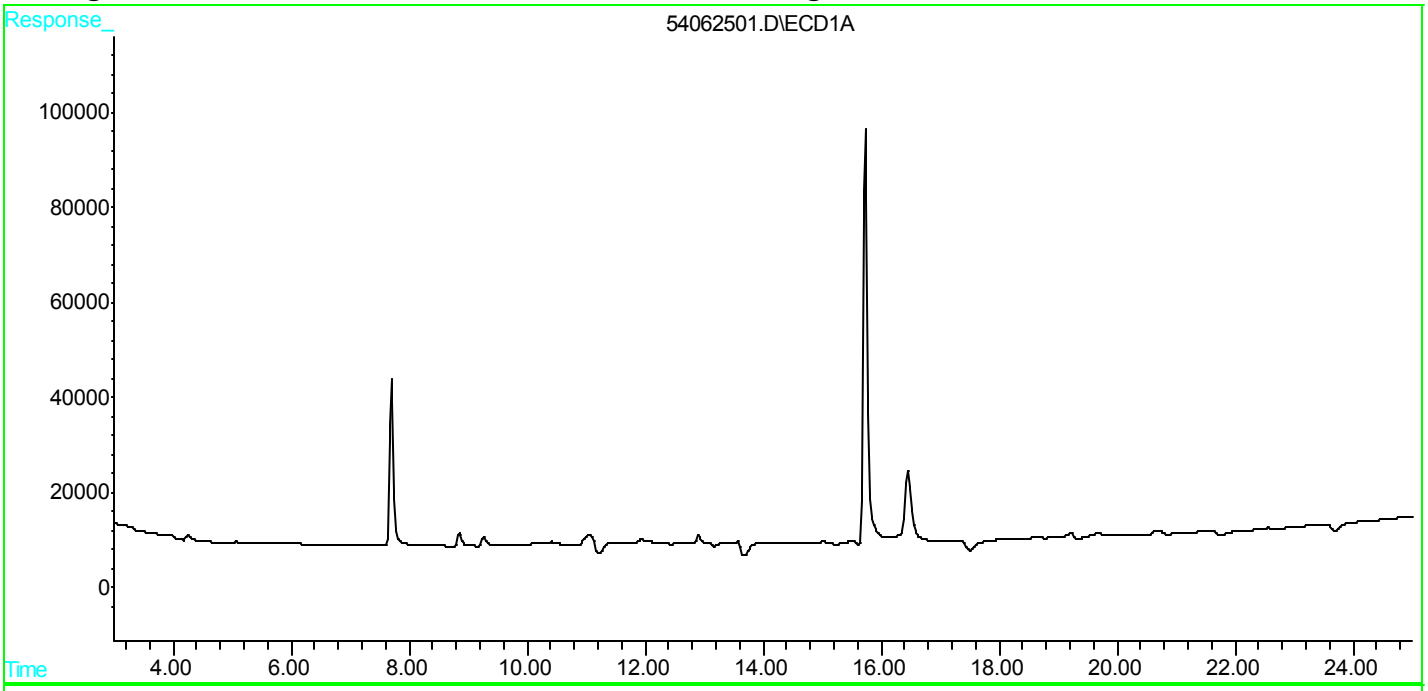
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

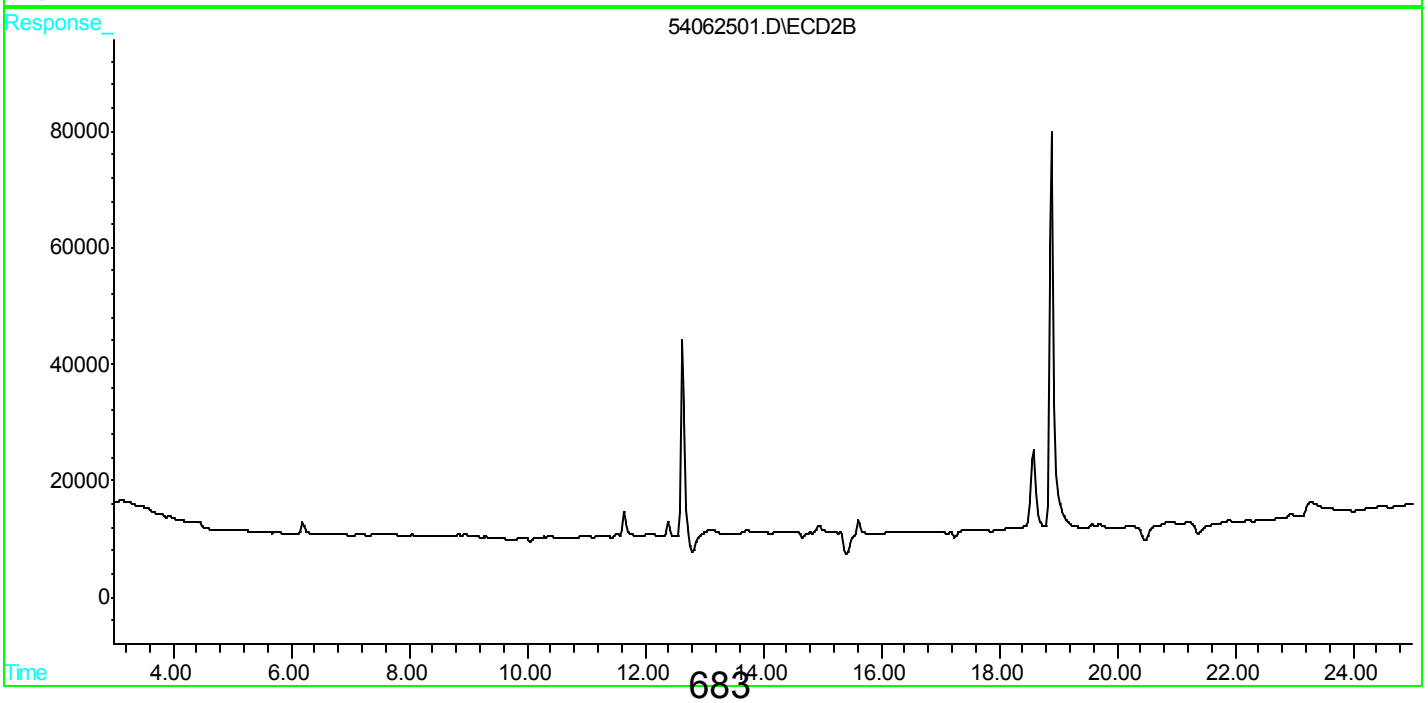
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062501.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540625\54062501.D\ECD2B.CH
Acq On : 25 Jun 2004 4:49 pm Operator: JMZ
Sample : HEX Inst : GC-5
Misc : CCB 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 11:37 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 25 19:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.28	5.82	11182856	12911873	194.830	183.769
Spiked Amount 50.000	Range 30 - 150		Recovery =		389.66%#	367.54%#
45) S DCB	18.94	22.48	14941204	11896542	161.529	147.153
Spiked Amount 50.000	Range 30 - 150		Recovery =		323.06%#	294.31%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.97	8.34	4320820	4815605	1909.216	1774.239
3) L1 Aroclor-1016 {2}	7.13	9.63	9872761	10170823	1893.605	1958.665
4) L1 Aroclor-1016 {3}	7.47	10.00	3929887	4681145	1764.234	1880.123
5) L1 Aroclor-1016 {4}	8.53	10.59	3995883	2286101	1721.444	1904.057
6) L1 Aroclor-1016 {5}	10.25	11.67	2025334	3940206	1783.892	1782.080
Sum Aroclor-1016			24144686	25893880	9072.391	9299.163
Average Aroclor-1016					1814.478	1859.833
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.80	14.89	6124487	6044926	1856.960	1875.205
31) L7 Aroclor-1260 {2}	12.57	15.49	11185816	7516105	1889.107	1904.622
32) L7 Aroclor-1260 {3}	13.31	16.46	10041350	9182279	1781.997	1587.448
33) L7 Aroclor-1260 {4}	14.30	16.73	6011111	5891353	1910.320	1814.825
34) L7 Aroclor-1260 {5}	15.92	17.54	7136067	6312997	2280.798	1862.188

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062505.D 5PCB4G03.M Fri Jun 25 19:17:05 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 25 19:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

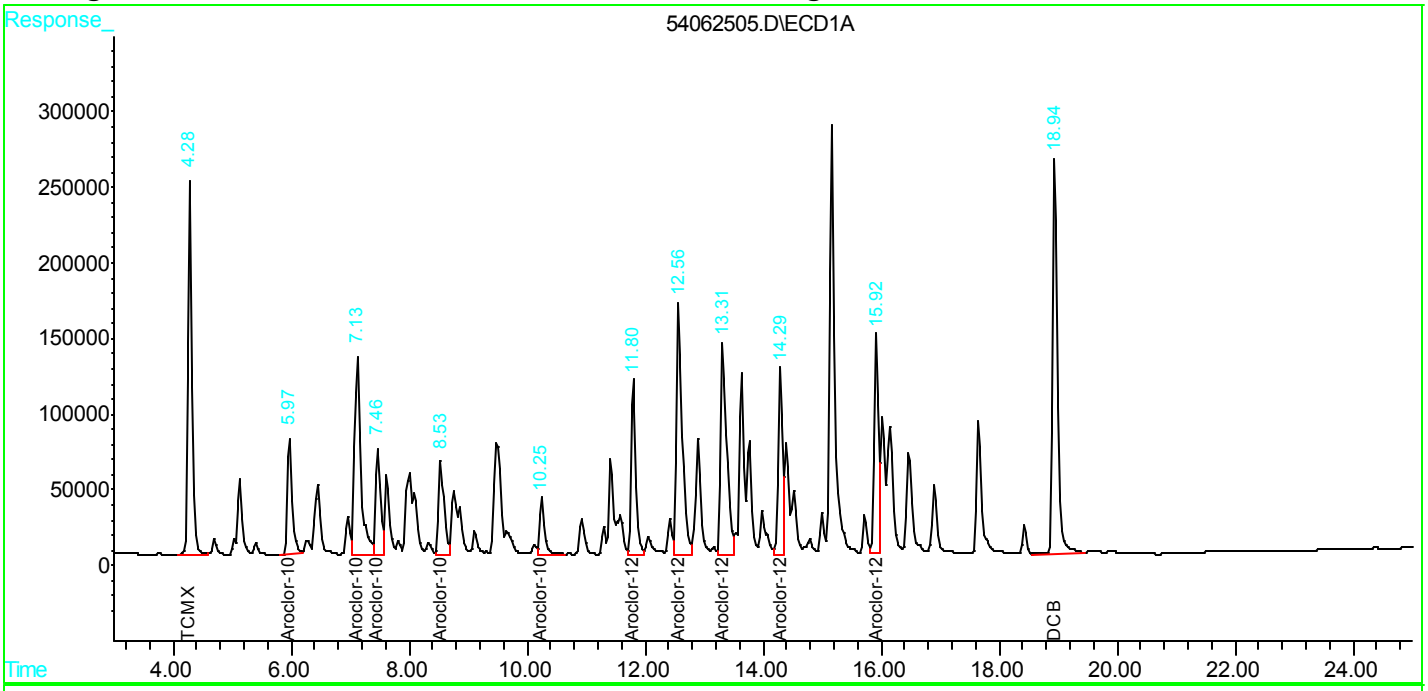
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			40498831	34947659	9719.182	9044.288
Average Aroclor-1260					1943.836	1808.858
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

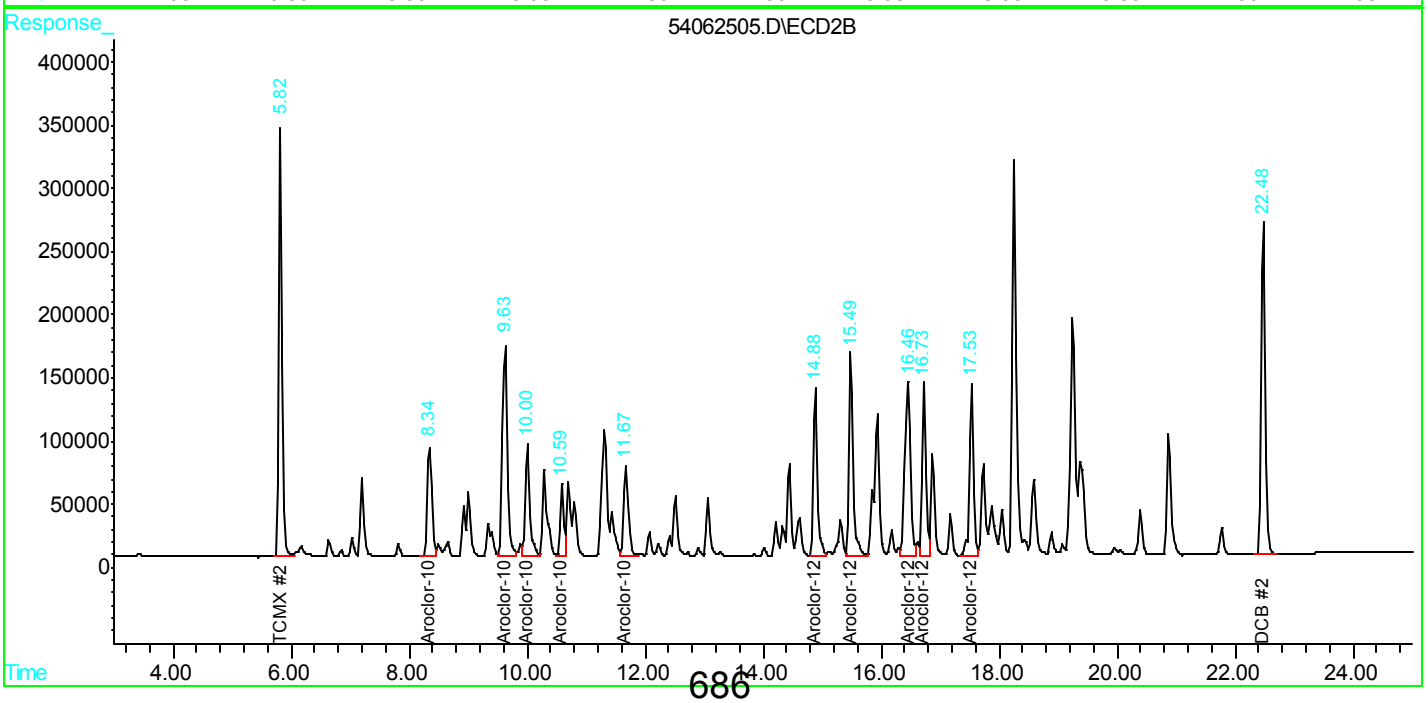
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 25 19:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	TCMX	57.398	55.914 E3	2.6	101	-0.01
2	L1	Aroclor-1016 {1}	2.600	2.160 E3	16.9	97	0.00
3	L1	Aroclor-1016 {2}	5.728	4.936 E3	13.8	96	0.00
4	L1	Aroclor-1016 {3}	2.228	1.965 E3	11.8	97	0.00
5	L1	Aroclor-1016 {4}	2.321	1.998 E3	13.9	92	0.00
6	L1	Aroclor-1016 {5}	1.198	1.013 E3	15.4	91	0.00
30	L7	Aroclor-1260 {1}	3.662	3.062 E3	16.4	95	0.00
31	L7	Aroclor-1260 {2}	6.708	5.593 E3	16.6	97	0.00
32	L7	Aroclor-1260 {3}	5.635	5.021 E3	10.9	95	0.00
33	L7	Aroclor-1260 {4}	3.311	3.006 E3	9.2	97	0.00
34	L7	Aroclor-1260 {5}	3.129	3.568 E3	-14.0	107	0.00
45	S	DCB	92.498	0.000 E3	100.0#	92	0.00
		Signal #2					
47	S	TCMX #2	70.262	64.559 E3	8.1	101	-0.01
48	L1	Aroclor-1016 {1} #2	3.044	0.000 E3	100.0#	102	0.00
49	L1	Aroclor-1016 {2} #2	6.115	5.085 E3	16.8	100	0.00
50	L1	Aroclor-1016 {3} #2	2.855	2.341 E3	18.0	95	0.00
51	L1	Aroclor-1016 {4} #2	1.448	1.143 E3	21.1	97	0.00
52	L1	Aroclor-1016 {5} #2	2.211	1.970 E3	10.9	96	0.00
76	L7	Aroclor-1260 {1} #2	3.754	3.022 E3	19.5	96	0.00
77	L7	Aroclor-1260 {2} #2	4.539	3.758 E3	17.2	97	0.00
78	L7	Aroclor-1260 {3} #2	5.784	4.591 E3	20.6	91	0.00
79	L7	Aroclor-1260 {4} #2	3.716	2.946 E3	20.7	93	0.00
80	L7	Aroclor-1260 {5} #2	3.657	3.156 E3	13.7	95	0.00
91	S	DCB #2	80.845	0.000 E3	100.0#	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062505.D 5PCB4G03.M Sat Jun 26 10:19:13 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	668.004	0.000		100.0#	0#	-4.71#
8	L2 Aroclor-1221 {2}	373.771	0.000		100.0#	0#	-5.04#
9	L2 Aroclor-1221 {3}	1.901	0.000	E3	100.0#	0#	-5.14#
10	L3 Aroclor-1232 {1}	1.633	0.000	E3	100.0#	0#	-5.14#
11	L3 Aroclor-1232 {2}	1.192	0.000	E3	100.0#	0#	-5.98#
12	L3 Aroclor-1232 {3}	0.933	0.000	E3	100.0#	0#	-7.47#
13	L3 Aroclor-1232 {4}	911.231	0.000		100.0#	0#	-8.53#
14	L3 Aroclor-1232 {5}	664.724	0.000		100.0#	0#	-10.25#
15	L4 Aroclor-1242 {1}	1.173	0.000	E3	100.0#	0#	-5.14#
16	L4 Aroclor-1242 {2}	1.732	0.000	E3	100.0#	0#	-7.47#
17	L4 Aroclor-1242 {3}	1.079	0.000	E3	100.0#	0#	-7.63#
18	L4 Aroclor-1242 {4}	1.843	0.000	E3	100.0#	0#	-8.53#
19	L4 Aroclor-1242 {5}	709.905	0.000		100.0#	0#	-10.13#
20	L5 Aroclor-1248 {1}	2.671	0.000	E3	100.0#	0#	-7.14#
21	L5 Aroclor-1248 {2}	3.049	0.000	E3	100.0#	0#	-8.53#
22	L5 Aroclor-1248 {3}	1.687	0.000	E3	100.0#	0#	-8.76#
23	L5 Aroclor-1248 {4}	1.377	0.000	E3	100.0#	0#	-9.41#
24	L5 Aroclor-1248 {5}	1.445	0.000	E3	100.0#	0#	-11.31#
25	L6 Aroclor-1254 {1}	2.201	0.000	E3	100.0#	0#	-9.49#
26	L6 Aroclor-1254 {2}	3.062	0.000	E3	100.0#	0#	-10.25#
27	L6 Aroclor-1254 {3}	3.438	0.000	E3	100.0#	0#	-12.06#
28	L6 Aroclor-1254 {4}	3.058	0.000	E3	100.0#	0#	-12.57#
29	L6 Aroclor-1254 {5}	4.051	0.000	E3	100.0#	0#	-13.32#
35	L8 Aroclor-1262 {1}	4.511	0.000	E3	100.0#	0#	-13.77#
36	L8 Aroclor-1262 {2}	3.725	0.000	E3	100.0#	0#	-14.41#
37	L8 Aroclor-1262 {3}	9.373	0.000	E3	100.0#	0#	-15.28#
38	L8 Aroclor-1262 {4}	3.975	0.000	E3	100.0#	0#	-16.16#
39	L8 Aroclor-1262 {5}	3.776	0.000	E3	100.0#	0#	-17.74#
40	L9 Aroclor-1268 {1}	2.806	0.000	E3	100.0#	0#	-16.04#
41	L9 Aroclor-1268 {2}	13.286	0.000	E3	100.0#	0#	-16.16#
42	L9 Aroclor-1268 {3}	9.686	0.000	E3	100.0#	0#	-16.65#
43	L9 Aroclor-1268 {4}	3.991	0.000	E3	100.0#	0#	-17.66#
44	L9 Aroclor-1268 {5}	25.754	0.000	E3	100.0#	0#	-18.44#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
Signal #2							
53 L2	Aroclor-1221 {1} #2	668.686	0.000		100.0#	0#	-6.72#
54 L2	Aroclor-1221 {2} #2	480.866	0.000		100.0#	0#	-7.11#
55 L2	Aroclor-1221 {3} #2	1.785	0.000	E3	100.0#	0#	-7.28#
56 L3	Aroclor-1232 {1} #2	1.478	0.000	E3	100.0#	0#	-7.21#
57 L3	Aroclor-1232 {2} #2	1.115	0.000	E3	100.0#	0#	-8.35#
58 L3	Aroclor-1232 {3} #2	1.042	0.000	E3	100.0#	0#	-10.01#
59 L3	Aroclor-1232 {4} #2	731.248	0.000		100.0#	0#	-10.30#
60 L3	Aroclor-1232 {5} #2	725.574	0.000		100.0#	0#	-11.32#
61 L4	Aroclor-1242 {1} #2	847.060	0.000		100.0#	0#	-9.09#
62 L4	Aroclor-1242 {2} #2	998.507	0.000		100.0#	0#	-10.37#
63 L4	Aroclor-1242 {3} #2	952.275	0.000		100.0#	0#	-10.60#
64 L4	Aroclor-1242 {4} #2	1.570	0.000	E3	100.0#	0#	-11.67#
65 L4	Aroclor-1242 {5} #2	1.391	0.000	E3	100.0#	0#	-12.41#
66 L5	Aroclor-1248 {1} #2	3.348	0.000	E3	100.0#	0#	-9.64#
67 L5	Aroclor-1248 {2} #2	2.061	0.000	E3	100.0#	0#	-10.60#
68 L5	Aroclor-1248 {3} #2	2.850	0.000	E3	100.0#	0#	-11.38#
69 L5	Aroclor-1248 {4} #2	2.831	0.000	E3	100.0#	0#	-12.41#
70 L5	Aroclor-1248 {5} #2	3.629	0.000	E3	100.0#	0#	-12.58#
71 L6	Aroclor-1254 {1} #2	2.648	0.000	E3	100.0#	0#	-12.52#
72 L6	Aroclor-1254 {2} #2	2.935	0.000	E3	100.0#	0#	-13.07#
73 L6	Aroclor-1254 {3} #2	2.058	0.000	E3	100.0#	0#	-14.02#
74 L6	Aroclor-1254 {4} #2	3.278	0.000	E3	100.0#	0#	-15.04#
75 L6	Aroclor-1254 {5} #2	1.938	0.000	E3	100.0#	0#	-15.49#
81 L8	Aroclor-1262 {1} #2	3.703	0.000	E3	100.0#	0#	-16.88#
82 L8	Aroclor-1262 {2} #2	3.169	0.000	E3	100.0#	0#	-17.73#
83 L8	Aroclor-1262 {3} #2	6.783	0.000	E3	100.0#	0#	-18.50#
84 L8	Aroclor-1262 {4} #2	5.036	0.000	E3	100.0#	0#	-19.52#
85 L8	Aroclor-1262 {5} #2	2.979	0.000	E3	100.0#	0#	-21.14#
86 L9	Aroclor-1268 {1} #2	2.322	0.000	E3	100.0#	0#	-19.38#
87 L9	Aroclor-1268 {2} #2	10.923	0.000	E3	100.0#	0#	-19.55#
88 L9	Aroclor-1268 {3} #2	8.126	0.000	E3	100.0#	0#	-20.25#
89 L9	Aroclor-1268 {4} #2	3.497	0.000	E3	100.0#	0#	-21.06#
90 L9	Aroclor-1268 {5} #2	20.960	0.000	E3	100.0#	0#	-21.95#

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	TCMX	200.000	194.830	2.6	101	-0.01
2	L1	Aroclor-1016 {1}	2000.000	1909.216	4.5	97	0.00
3	L1	Aroclor-1016 {2}	2000.000	1893.605	5.3	96	0.00
4	L1	Aroclor-1016 {3}	2000.000	1764.234	11.8	97	0.00
5	L1	Aroclor-1016 {4}	2000.000	1721.444	13.9	92	0.00
6	L1	Aroclor-1016 {5}	2000.000	1783.892	10.8	91	0.00
30	L7	Aroclor-1260 {1}	2000.000	1856.960	7.2	95	0.00
31	L7	Aroclor-1260 {2}	2000.000	1889.107	5.5	97	0.00
32	L7	Aroclor-1260 {3}	2000.000	1781.997	10.9	95	0.00
33	L7	Aroclor-1260 {4}	2000.000	1910.320	4.5	97	0.00
34	L7	Aroclor-1260 {5}	2000.000	2280.798	-14.0	107	0.00
45	S	DCB	-1.000	161.529	0.0	92	0.00
		Signal #2					
47	S	TCMX #2	200.000	183.769	8.1	101	-0.01
48	L1	Aroclor-1016 {1} #2	-1.000	1774.239	0.0	102	0.00
49	L1	Aroclor-1016 {2} #2	2000.000	1958.665	2.1	100	0.00
50	L1	Aroclor-1016 {3} #2	2000.000	1880.123	6.0	95	0.00
51	L1	Aroclor-1016 {4} #2	2000.000	1904.057	4.8	97	0.00
52	L1	Aroclor-1016 {5} #2	2000.000	1782.080	10.9	96	0.00
76	L7	Aroclor-1260 {1} #2	2000.000	1875.205	6.2	96	0.00
77	L7	Aroclor-1260 {2} #2	2000.000	1904.622	4.8	97	0.00
78	L7	Aroclor-1260 {3} #2	2000.000	1587.448	20.6	91	0.00
79	L7	Aroclor-1260 {4} #2	2000.000	1814.825	9.3	93	0.00
80	L7	Aroclor-1260 {5} #2	2000.000	1862.188	6.9	95	0.00
91	S	DCB #2	-1.000	147.153	0.0	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062505.D 5PCB4G03.M Sat Jun 26 10:18:29 2004 Page 1

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	2000.000	0.000	100.0#	0	-4.71#
8	L2 Aroclor-1221 {2}	2000.000	0.000	100.0#	0	-5.04#
9	L2 Aroclor-1221 {3}	2000.000	0.000	100.0#	0	-5.14#
10	L3 Aroclor-1232 {1}	2000.000	0.000	100.0#	0	-5.14#
11	L3 Aroclor-1232 {2}	2000.000	0.000	100.0#	0	-5.98#
12	L3 Aroclor-1232 {3}	2000.000	0.000	100.0#	0	-7.47#
13	L3 Aroclor-1232 {4}	2000.000	0.000	100.0#	0	-8.53#
14	L3 Aroclor-1232 {5}	2000.000	0.000	100.0#	0	-10.25#
15	L4 Aroclor-1242 {1}	2000.000	0.000	100.0#	0	-5.14#
16	L4 Aroclor-1242 {2}	2000.000	0.000	100.0#	0	-7.47#
17	L4 Aroclor-1242 {3}	2000.000	0.000	100.0#	0	-7.63#
18	L4 Aroclor-1242 {4}	2000.000	0.000	100.0#	0	-8.53#
19	L4 Aroclor-1242 {5}	2000.000	0.000	100.0#	0	-10.13#
20	L5 Aroclor-1248 {1}	2000.000	0.000	100.0#	0	-7.14#
21	L5 Aroclor-1248 {2}	2000.000	0.000	100.0#	0	-8.53#
22	L5 Aroclor-1248 {3}	2000.000	0.000	100.0#	0	-8.76#
23	L5 Aroclor-1248 {4}	2000.000	-87.442	104.4#	0	-9.41#
24	L5 Aroclor-1248 {5}	2000.000	0.000	100.0#	0	-11.31#
25	L6 Aroclor-1254 {1}	2000.000	0.000	100.0#	0	-9.49#
26	L6 Aroclor-1254 {2}	2000.000	0.000	100.0#	0	-10.25#
27	L6 Aroclor-1254 {3}	2000.000	0.000	100.0#	0	-12.06#
28	L6 Aroclor-1254 {4}	2000.000	0.000	100.0#	0	-12.57#
29	L6 Aroclor-1254 {5}	2000.000	0.000	100.0#	0	-13.32#
35	L8 Aroclor-1262 {1}	2000.000	0.000	100.0#	0	-13.77#
36	L8 Aroclor-1262 {2}	2000.000	0.000	100.0#	0	-14.41#
37	L8 Aroclor-1262 {3}	2000.000	0.000	100.0#	0	-15.28#
38	L8 Aroclor-1262 {4}	2000.000	0.000	100.0#	0	-16.16#
39	L8 Aroclor-1262 {5}	2000.000	0.000	100.0#	0	-17.74#
40	L9 Aroclor-1268 {1}	2000.000	0.000	100.0#	0	-16.04#
41	L9 Aroclor-1268 {2}	2000.000	0.000	100.0#	0	-16.16#
42	L9 Aroclor-1268 {3}	2000.000	0.000	100.0#	0	-16.65#
43	L9 Aroclor-1268 {4}	2000.000	0.000	100.0#	0	-17.66#
44	L9 Aroclor-1268 {5}	2000.000	0.000	100.0#	0	-18.44#

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540625\54062505.D\ECD2B.CH
Acq On : 25 Jun 2004 6:49 pm Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
Signal #2						
53 L2	Aroclor-1221 {1} #2	2000.000	0.000	100.0#	0	-6.72#
54 L2	Aroclor-1221 {2} #2	2000.000	0.000	100.0#	0	-7.11#
55 L2	Aroclor-1221 {3} #2	2000.000	0.000	100.0#	0	-7.28#
56 L3	Aroclor-1232 {1} #2	2000.000	0.000	100.0#	0	-7.21#
57 L3	Aroclor-1232 {2} #2	2000.000	0.000	100.0#	0	-8.35#
58 L3	Aroclor-1232 {3} #2	2000.000	0.000	100.0#	0	-10.01#
59 L3	Aroclor-1232 {4} #2	2000.000	0.000	100.0#	0	-10.30#
60 L3	Aroclor-1232 {5} #2	2000.000	0.000	100.0#	0	-11.32#
61 L4	Aroclor-1242 {1} #2	2000.000	0.000	100.0#	0	-9.09#
62 L4	Aroclor-1242 {2} #2	2000.000	0.000	100.0#	0	-10.37#
63 L4	Aroclor-1242 {3} #2	2000.000	0.000	100.0#	0	-10.60#
64 L4	Aroclor-1242 {4} #2	2000.000	0.000	100.0#	0	-11.67#
65 L4	Aroclor-1242 {5} #2	2000.000	0.000	100.0#	0	-12.41#
66 L5	Aroclor-1248 {1} #2	2000.000	0.000	100.0#	0	-9.64#
67 L5	Aroclor-1248 {2} #2	2000.000	-127.179	106.4#	0	-10.60#
68 L5	Aroclor-1248 {3} #2	2000.000	-152.344	107.6#	0	-11.38#
69 L5	Aroclor-1248 {4} #2	2000.000	-78.728	103.9#	0	-12.41#
70 L5	Aroclor-1248 {5} #2	2000.000	-69.000	103.5#	0	-12.58#
71 L6	Aroclor-1254 {1} #2	2000.000	0.000	100.0#	0	-12.52#
72 L6	Aroclor-1254 {2} #2	2000.000	0.000	100.0#	0	-13.07#
73 L6	Aroclor-1254 {3} #2	2000.000	0.000	100.0#	0	-14.02#
74 L6	Aroclor-1254 {4} #2	2000.000	0.000	100.0#	0	-15.04#
75 L6	Aroclor-1254 {5} #2	2000.000	0.000	100.0#	0	-15.49#
81 L8	Aroclor-1262 {1} #2	2000.000	0.000	100.0#	0	-16.88#
82 L8	Aroclor-1262 {2} #2	2000.000	0.000	100.0#	0	-17.73#
83 L8	Aroclor-1262 {3} #2	2000.000	0.000	100.0#	0	-18.50#
84 L8	Aroclor-1262 {4} #2	2000.000	0.000	100.0#	0	-19.52#
85 L8	Aroclor-1262 {5} #2	2000.000	0.000	100.0#	0	-21.14#
86 L9	Aroclor-1268 {1} #2	2000.000	0.000	100.0#	0	-19.38#
87 L9	Aroclor-1268 {2} #2	2000.000	0.000	100.0#	0	-19.55#
88 L9	Aroclor-1268 {3} #2	2000.000	0.000	100.0#	0	-20.25#
89 L9	Aroclor-1268 {4} #2	2000.000	0.000	100.0#	0	-21.06#
90 L9	Aroclor-1268 {5} #2	2000.000	0.000	100.0#	0	-21.95#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062510.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540625\54062510.D\ECD2B.CH
Acq On : 25 Jun 2004 9:15 pm Operator: JMZ
Sample : MB-47055 Inst : GC-5
Misc : MBLK 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:28 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

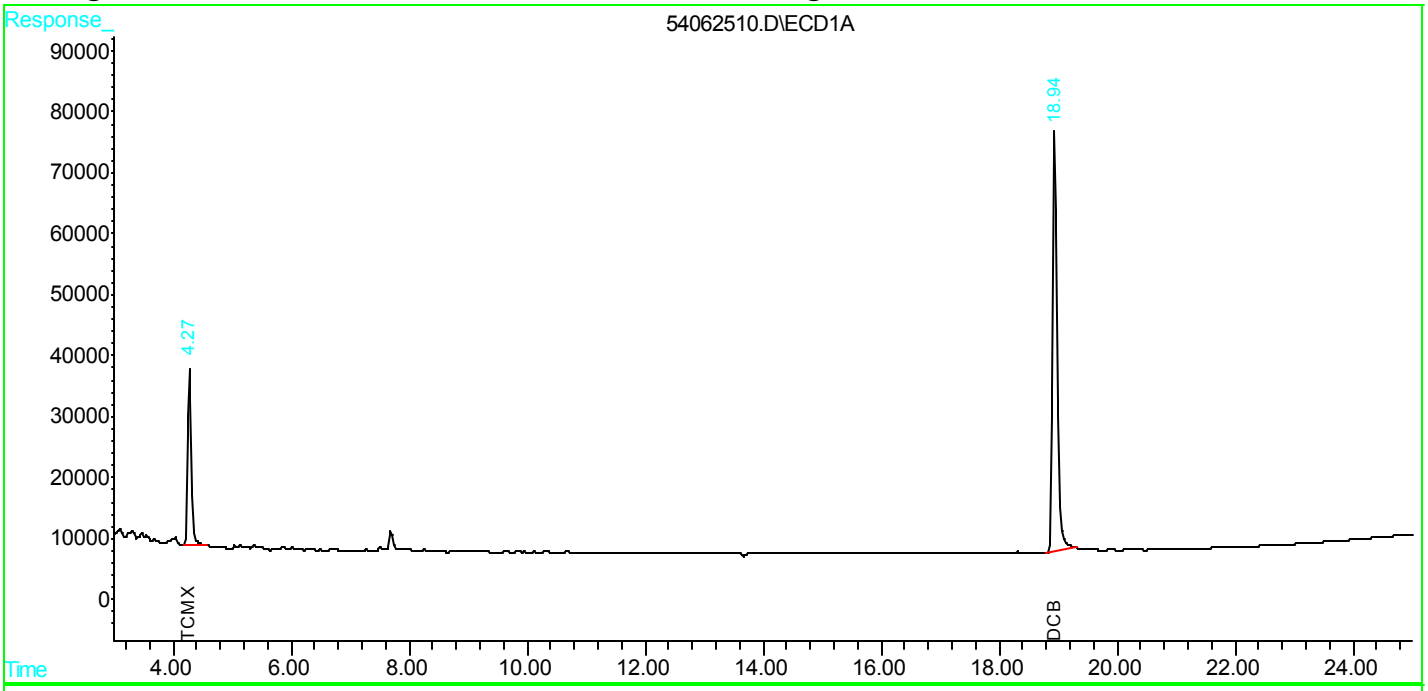
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.28	5.82	1173403	1575843	20.443	22.428
Spiked Amount 50.000	Range 30 - 150		Recovery =		40.89%	44.86%
45) S DCB	18.94	22.48	3712566	3271858	40.137	40.471
Spiked Amount 50.000	Range 30 - 150		Recovery =		80.27%	80.94%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

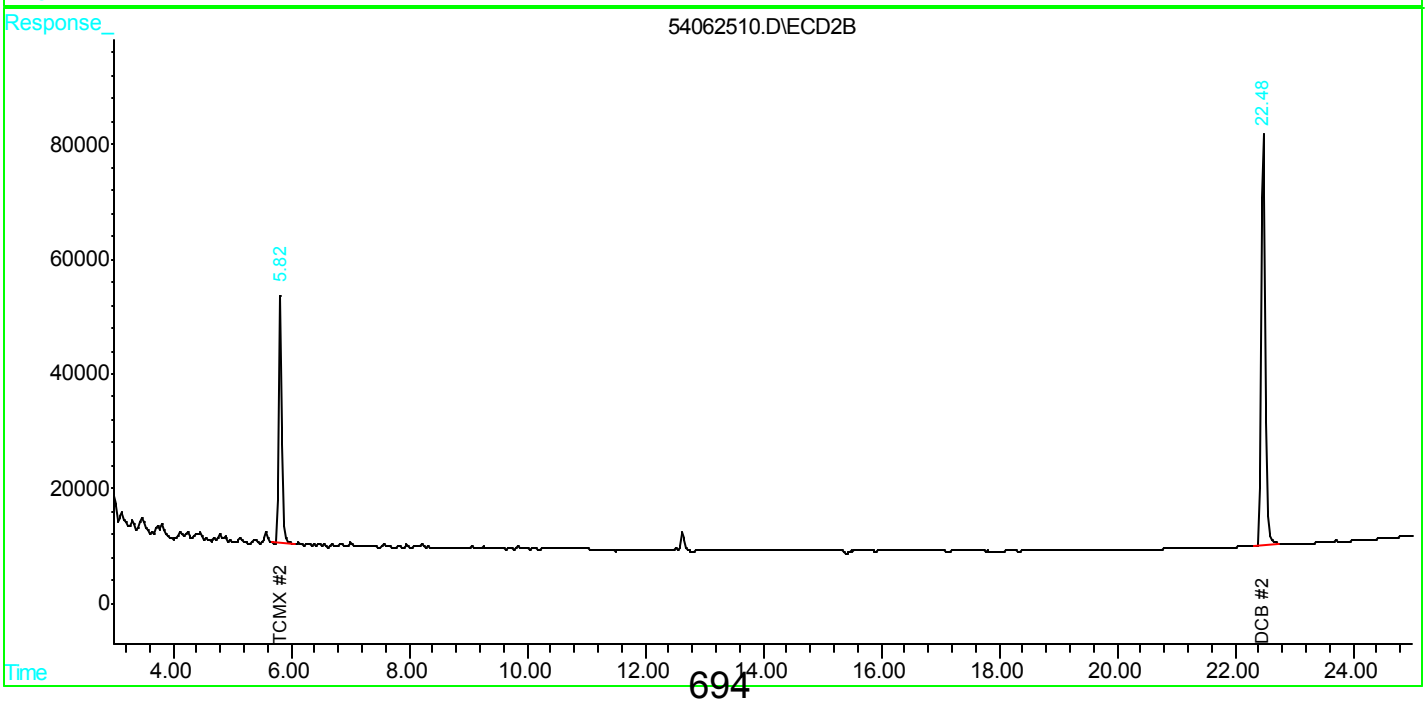
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062510.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540625\54062510.D\ECD2B.CH
Acq On : 25 Jun 2004 9:15 pm Operator: JMZ
Sample : MB-47055 Inst : GC-5
Misc : MBLK 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:28 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD1A.CH Vial: 39
Signal #2 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD2B.CH
Acq On : 25 Jun 2004 9:44 pm Operator: JMZ
Sample : LCS-47055 Inst : GC-5
Misc : LCS 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:30 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.28	5.82	2288173	2880407	39.865	40.995
Spiked Amount 50.000	Range 30 - 150		Recovery =		79.73%	81.99%
45) S DCB	18.94	22.48	3834677	3374809	41.457	41.744
Spiked Amount 50.000	Range 30 - 150		Recovery =		82.91%	83.49%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.97	8.34	1130468	1251777	435.305	426.939
3) L1 Aroclor-1016 {2}	7.13	9.63	2368486	2618582	405.931	428.997
4) L1 Aroclor-1016 {3}	7.47	10.00	942422	1187407	423.079	420.424
5) L1 Aroclor-1016 {4}	8.52	10.59	926170	635459	398.998	447.599
6) L1 Aroclor-1016 {5}	10.25	11.67	682394	865630	579.300	391.508 #
Sum Aroclor-1016			6049940	6558854	2242.614	2115.466
Average Aroclor-1016					448.523	423.093
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.80	14.89	1632855	1761972	440.419	478.500
31) L7 Aroclor-1260 {2}	12.56	15.49	3002866	2074224	445.303	461.818
32) L7 Aroclor-1260 {3}	13.31	16.47	2763819	2889783	490.483	499.591
33) L7 Aroclor-1260 {4}	14.29	16.73	1356049	1478788	401.346	384.522
34) L7 Aroclor-1260 {5}	15.92	17.54	1545251	1413085	493.886	379.111

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062511.D 5PCB4G03.M Sat Jun 26 10:30:24 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD1A.CH Vial: 39
Signal #2 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD2B.CH
Acq On : 25 Jun 2004 9:44 pm Operator: JMZ
Sample : LCS-47055 Inst : GC-5
Misc : LCS 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:30 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

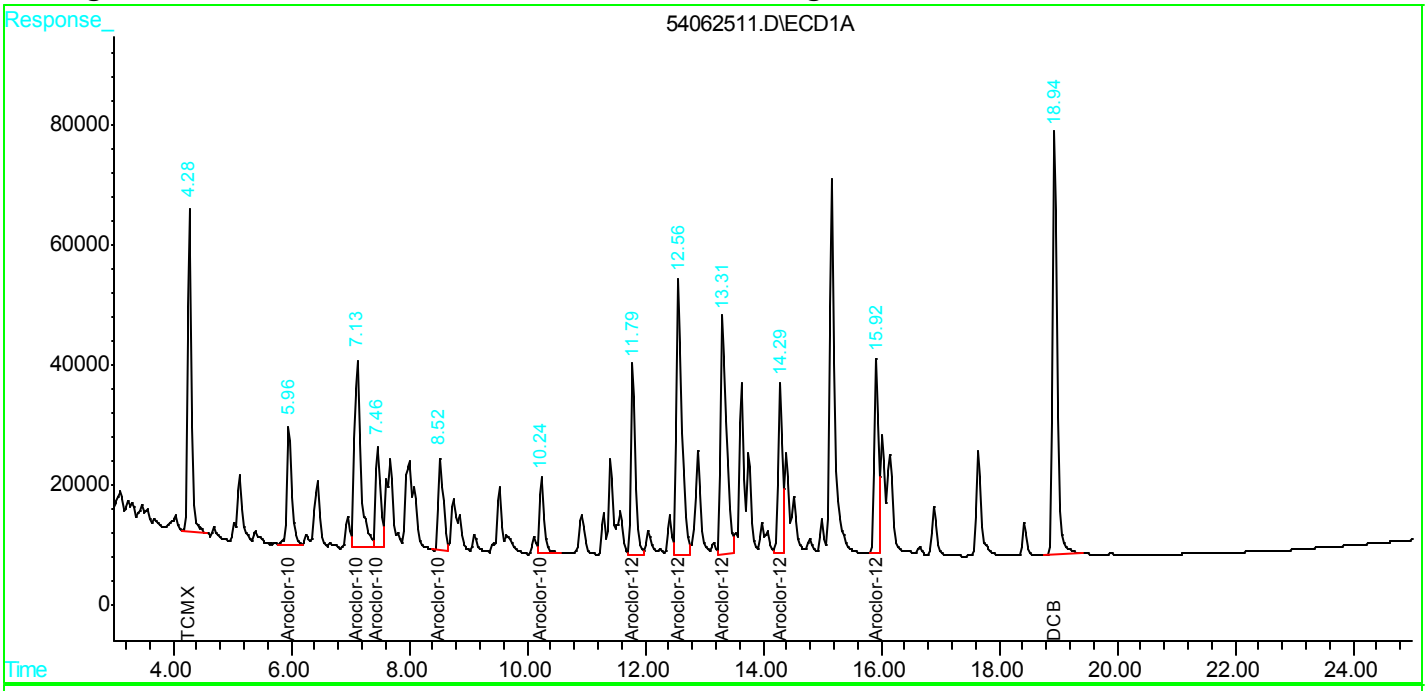
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			10300840	9617852	2271.438	2203.541
Average Aroclor-1260					454.288	440.708
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

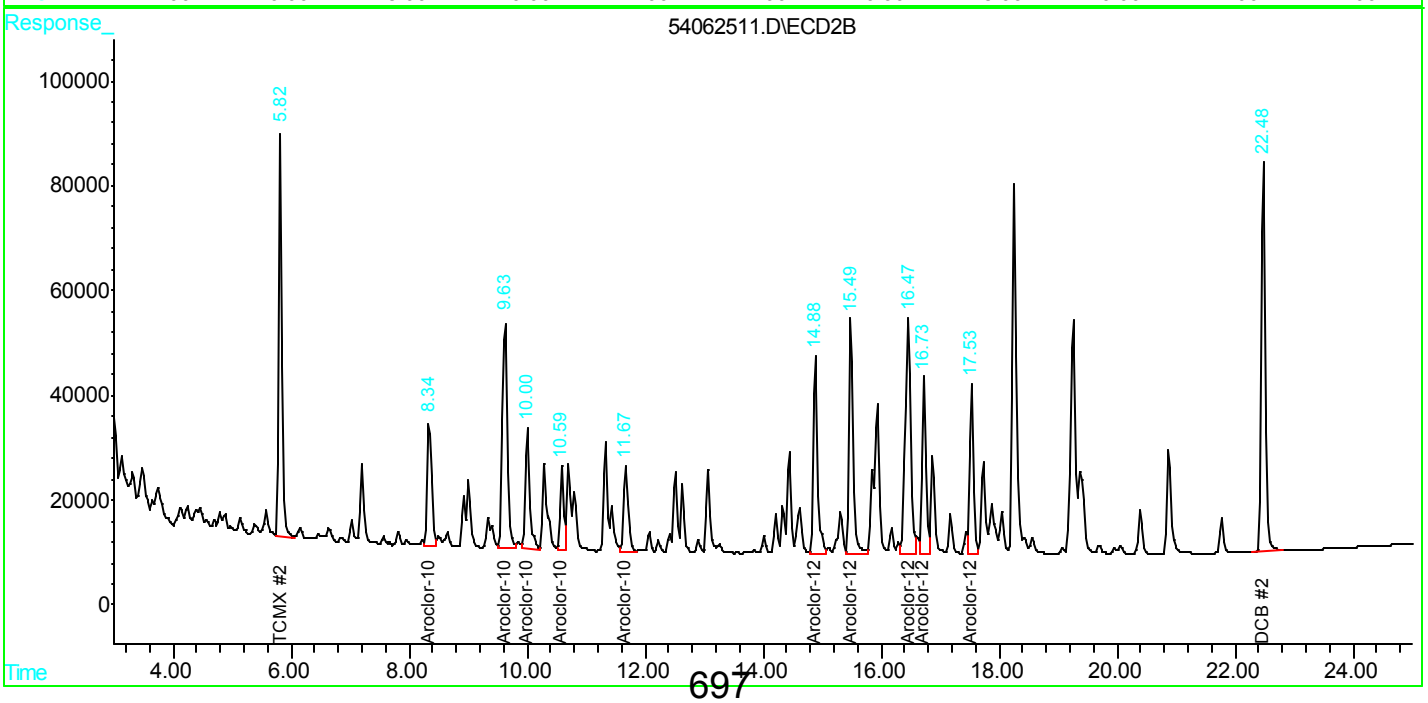
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD1A.CH Vial: 39
Signal #2 : E:\HPCHEM\1\DATA\540625\54062511.D\ECD2B.CH
Acq On : 25 Jun 2004 9:44 pm Operator: JMZ
Sample : LCS-47055 Inst : GC-5
Misc : LCS 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:30 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062517.D\ECD1A.CH Vial: 45
Signal #2 : E:\HPCHEM\1\DATA\540625\54062517.D\ECD2B.CH
Acq On : 26 Jun 2004 12:39 am Operator: JMZ
Sample : 0406C14-004A 47055 0.5ML Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:43 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

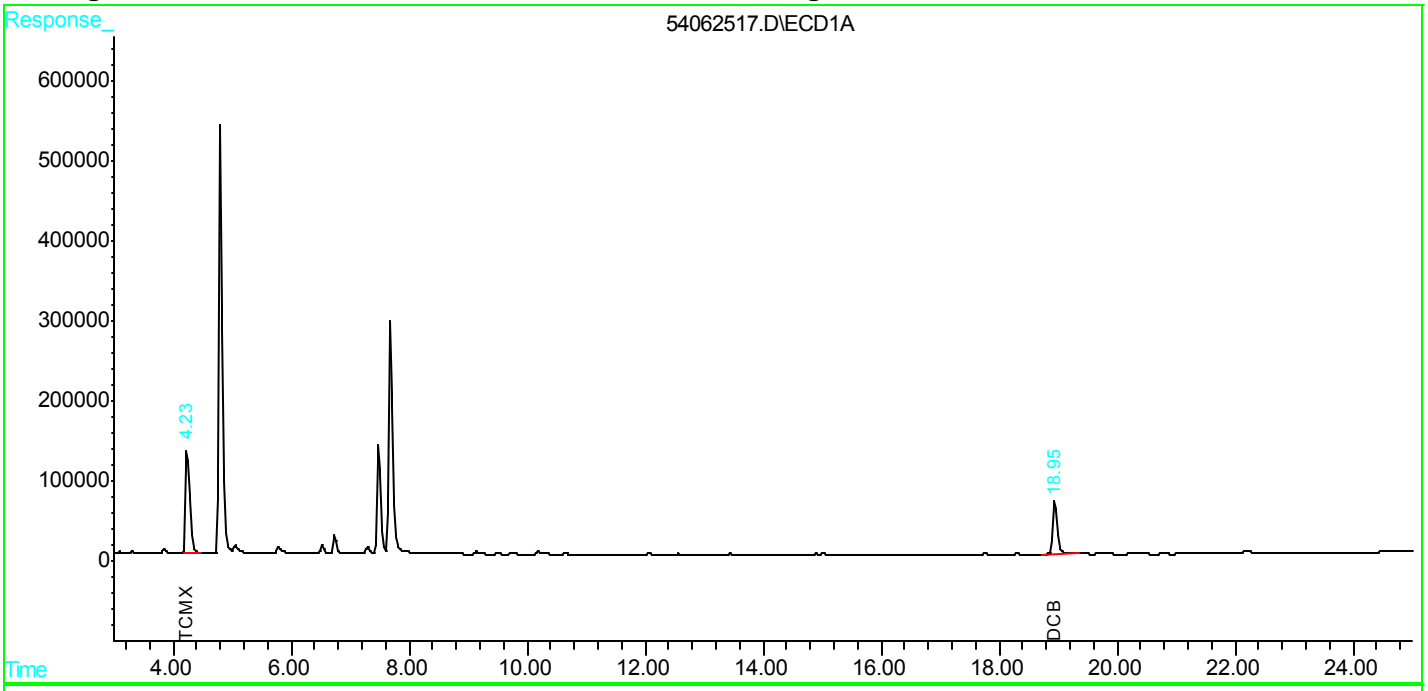
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.23f	5.82	6642053	2740195	115.719m	39.000 #
Spiked Amount 50.000	Range 30 - 150		Recovery =		231.44%#	78.00%
45) S DCB	18.95	22.48	3592180	3327918	38.835	41.164
Spiked Amount 50.000	Range 30 - 150		Recovery =		77.67%	82.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

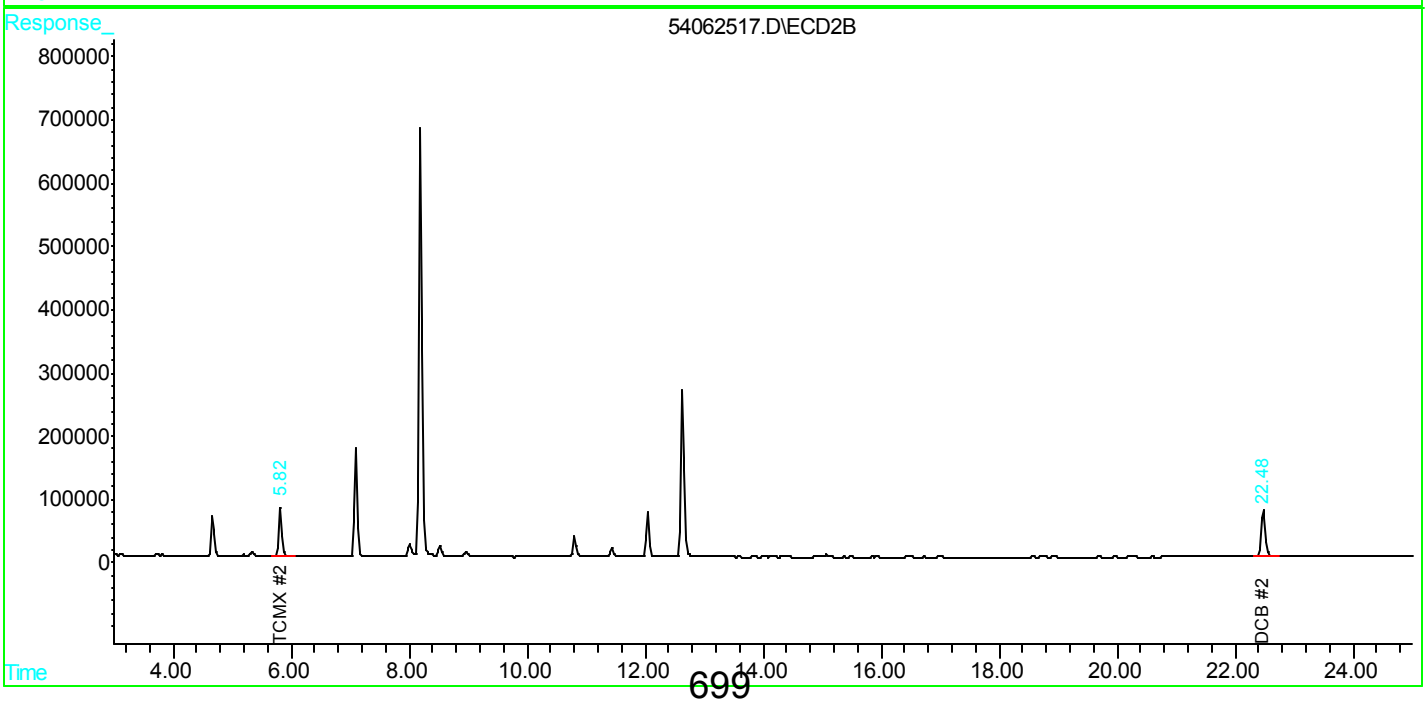
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062517.D\ECD1A.CH Vial: 45
Signal #2 : E:\HPCHEM\1\DATA\540625\54062517.D\ECD2B.CH
Acq On : 26 Jun 2004 12:39 am Operator: JMZ
Sample : 0406C14-004A 47055 0.5ML Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:43 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062518.D\ECD1A.CH Vial: 46
Signal #2 : E:\HPCHEM\1\DATA\540625\54062518.D\ECD2B.CH
Acq On : 26 Jun 2004 1:08 am Operator: JMZ
Sample : 0406C14-005A 47055 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:46 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

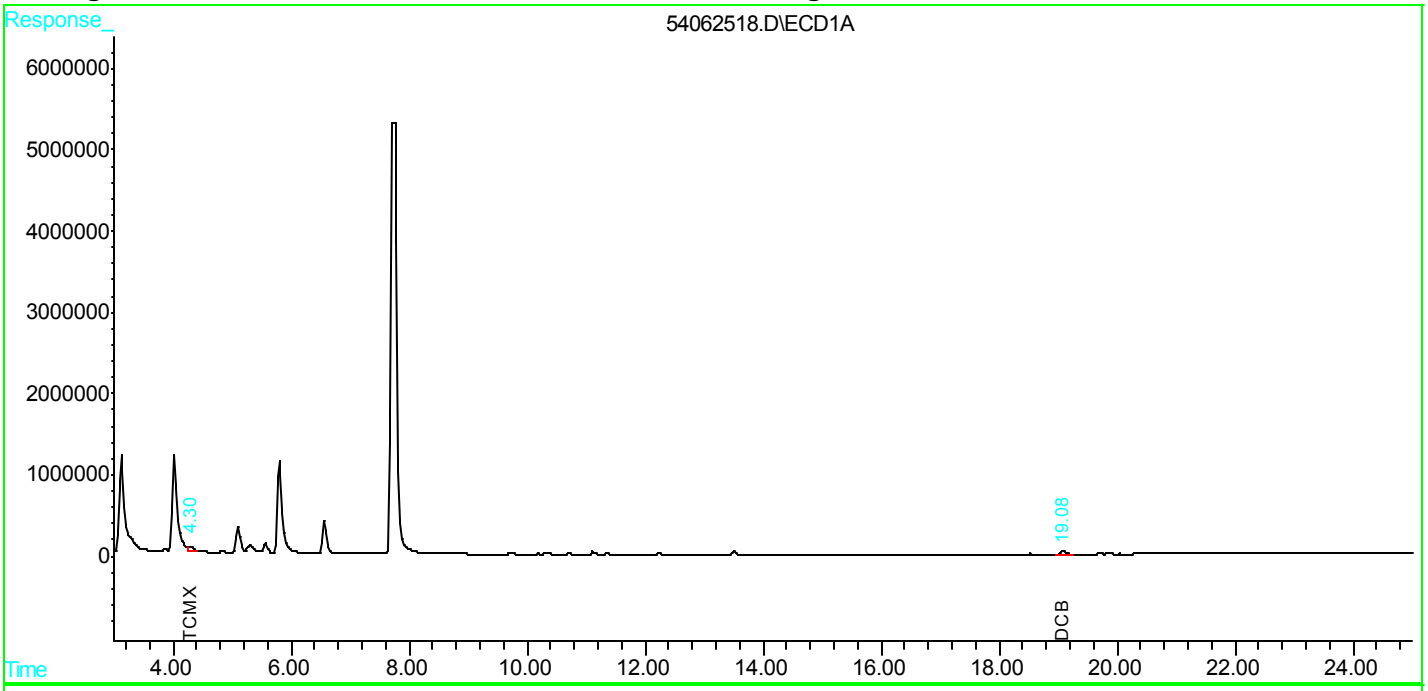
Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

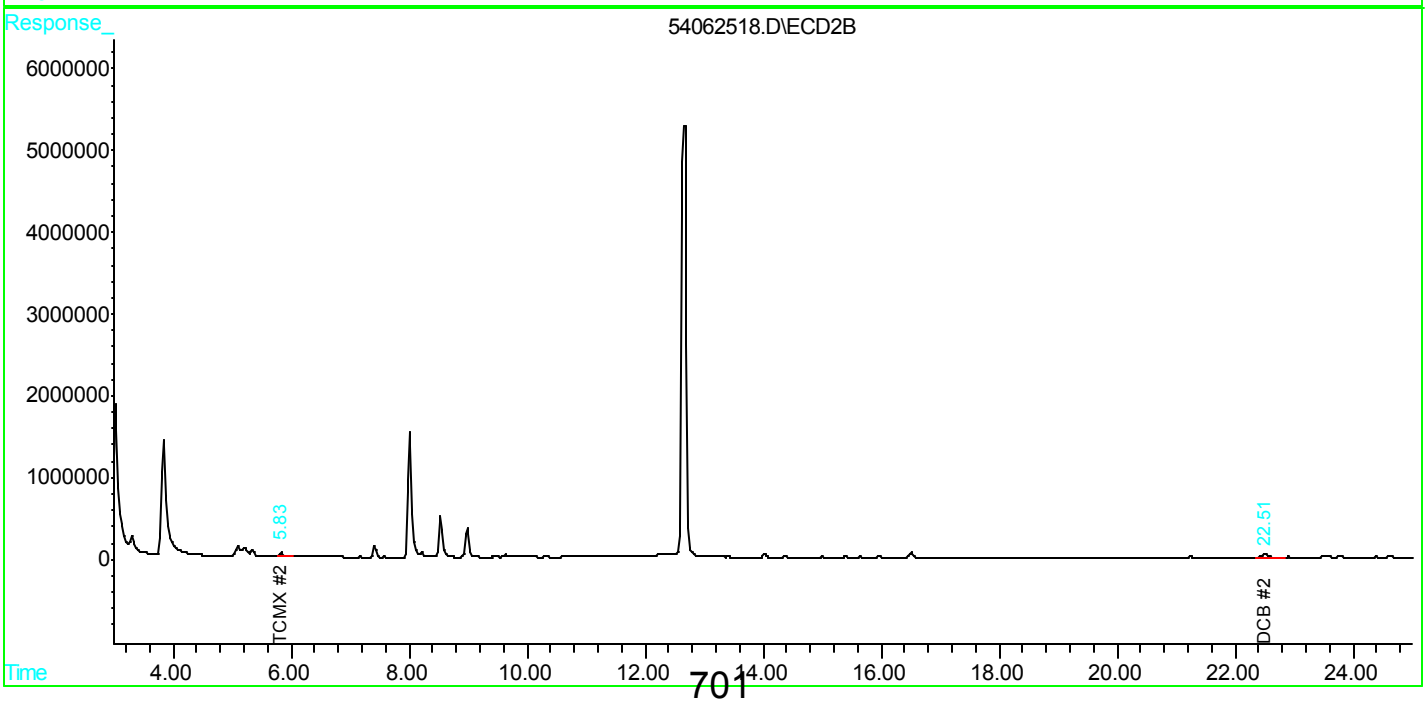
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.84	2228463	1755216	38.825m	24.981 #
Spiked Amount	50.000	Range 30 - 150		Recovery =	77.65%	49.96%
45) S DCB	19.08f	22.51	2356566	2340540	25.477m	28.951
Spiked Amount	50.000	Range 30 - 150		Recovery =	50.95%	57.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Signal #1 : E:\HPCHEM\1\DATA\540625\54062518.D\ECD1A.CH Vial: 46
Signal #2 : E:\HPCHEM\1\DATA\540625\54062518.D\ECD2B.CH
Acq On : 26 Jun 2004 1:08 am Operator: JMZ
Sample : 0406C14-005A 47055 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:46 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (Not Reviewed)

Data File : E:\HPCHEM\1\DATA\540625\54062523.D\ECD1A.CH Vial: 50
Acq On : 26 Jun 2004 3:34 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540625\54062523.D\ECD2B.CH Vial: 50
Acq On : 26 Jun 2004 3:34 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 26 10:54 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

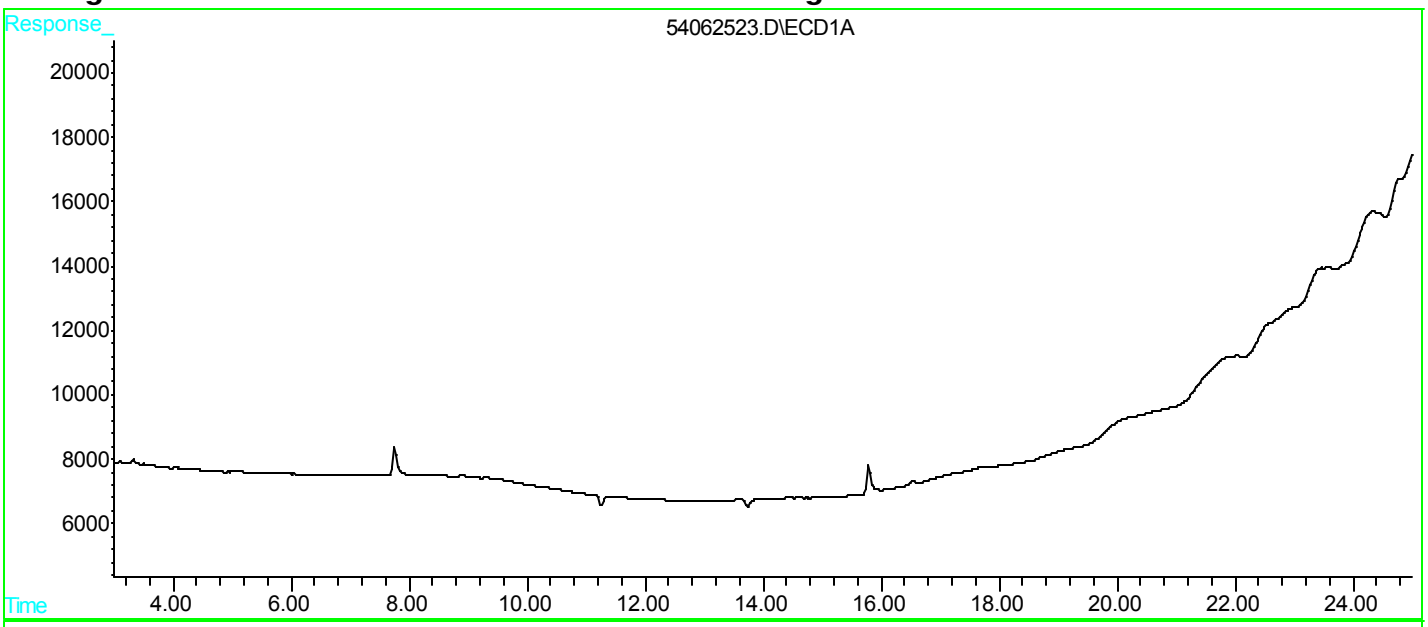
Quantitation Report

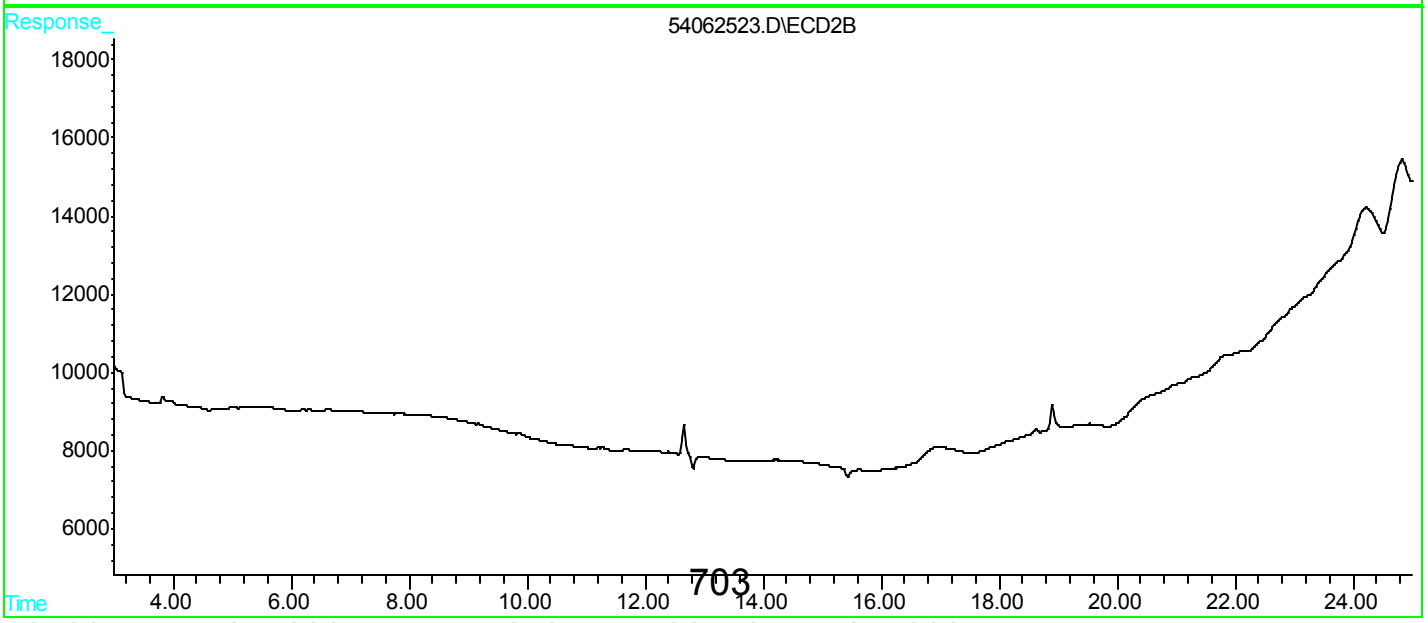
Data File : E:\HPCHEM\1\DATA\540625\54062523.D\ECD1A.CH Vial: 50
Acq On : 26 Jun 2004 3:34 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540625\54062523.D\ECD2B.CH Vial: 50
Acq On : 26 Jun 2004 3:34 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 26 10:54 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:20 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.83	6191431	7385670	107.868	105.117
Spiked Amount 50.000	Range 30 - 150		Recovery =		215.74%#	210.23%#
45) S DCB	19.00	22.50	6160365	5723100	66.600	70.791
Spiked Amount 50.000	Range 30 - 150		Recovery =		133.20%	141.58%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.36	2604049	2916538	1116.085	1056.299
3) L1 Aroclor-1016 {2}	7.15	9.65	5871547	5893330	1100.390	1092.281
4) L1 Aroclor-1016 {3}	7.49	10.02	2351710	2666548	1055.747	1038.416
5) L1 Aroclor-1016 {4}	8.55	10.61	2501061	1300085	1077.468	1034.037
6) L1 Aroclor-1016 {5}	10.28	11.69	1220516	2044630	1061.985	924.747
Sum Aroclor-1016			14548884	14821132	5411.676	5145.780
Average Aroclor-1016					1082.335	1029.156
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.91	3095027	2967078	901.549	871.495
31) L7 Aroclor-1260 {2}	12.60	15.51	5404433	3761939	869.037	909.282
32) L7 Aroclor-1260 {3}	13.35	16.49	4578874	4204582	812.594	726.895
33) L7 Aroclor-1260 {4}	14.33	16.75	2726807	2630248	845.688	757.760
34) L7 Aroclor-1260 {5}	15.96	17.56	2881216	2645268	920.881	752.061

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062524.D 5PCB4G03.M Sat Jun 26 10:20:36 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:20 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

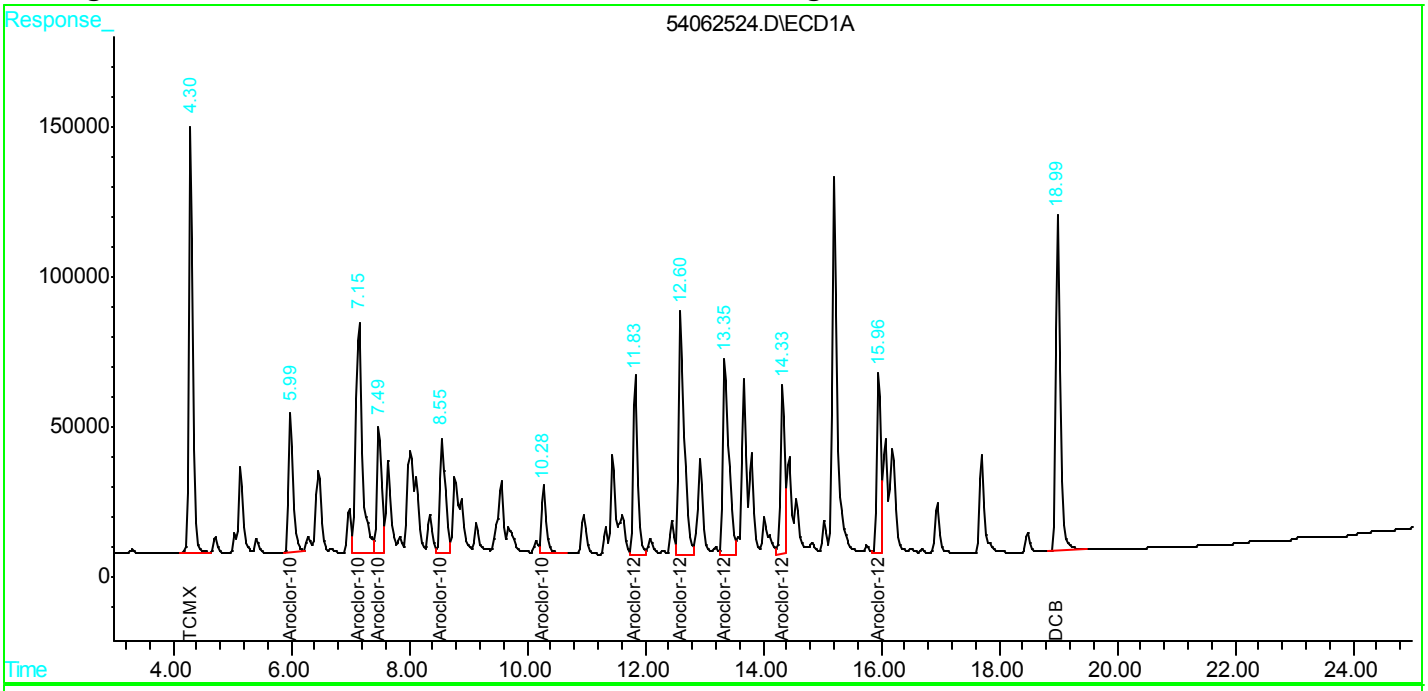
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			18686357	16209115	4349.749	4017.492
Average Aroclor-1260					869.950	803.498
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

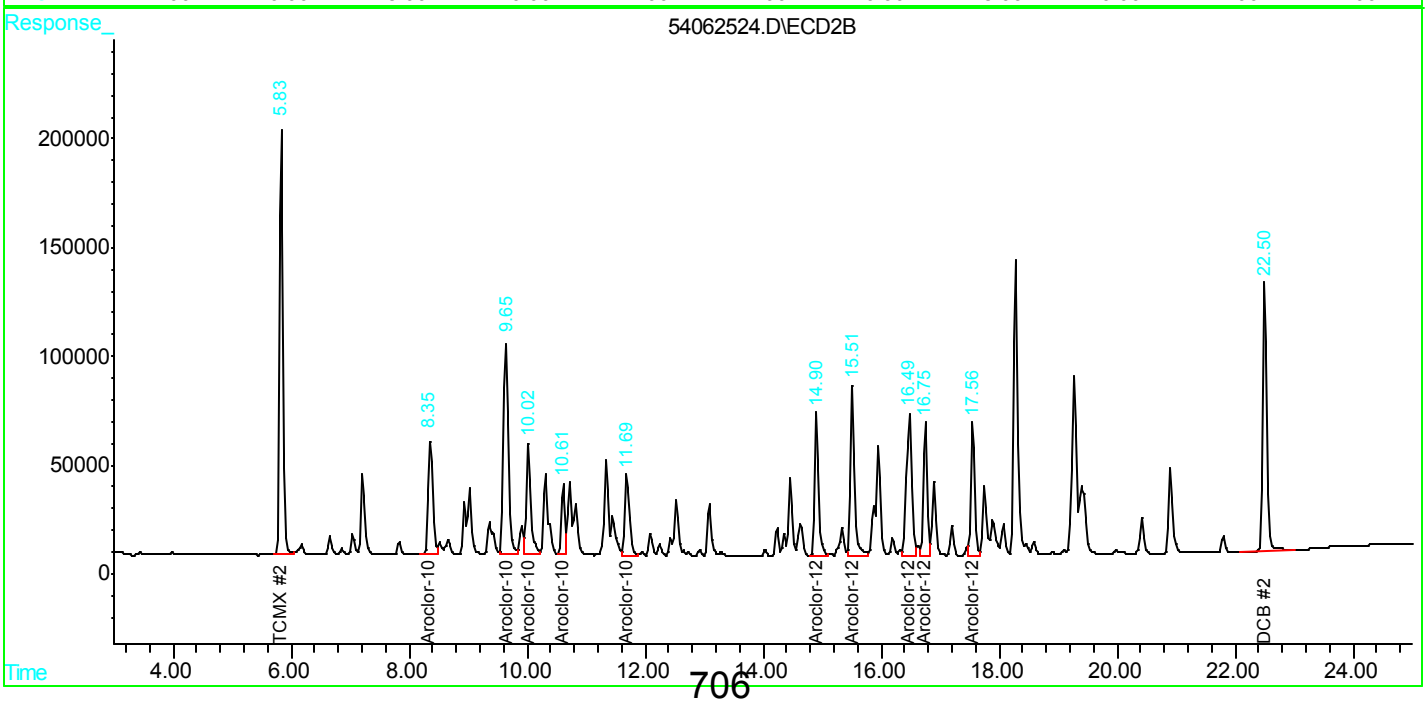
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 26 10:20 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	TCMX	57.398	61.914 E3	-7.9	105	0.00
2	L1	Aroclor-1016 {1}	2.600	2.604 E3	-0.2	107	0.00
3	L1	Aroclor-1016 {2}	5.728	5.872 E3	-2.5	105	0.02
4	L1	Aroclor-1016 {3}	2.228	2.352 E3	-5.6	106	0.02
5	L1	Aroclor-1016 {4}	2.321	2.501 E3	-7.8	106	0.02
6	L1	Aroclor-1016 {5}	1.198	1.221 E3	-1.9	101	0.02
30	L7	Aroclor-1260 {1}	3.662	3.095 E3	15.5	86	0.03
31	L7	Aroclor-1260 {2}	6.708	5.404 E3	19.4	84	0.03
32	L7	Aroclor-1260 {3}	5.635	4.579 E3	18.7	82	0.03
33	L7	Aroclor-1260 {4}	3.311	2.727 E3	17.6	83	0.03
34	L7	Aroclor-1260 {5}	3.129	2.881 E3	7.9	89	0.04
45	S	DCB	92.498	61.604 E3	33.4#	70	0.04

Signal #2

1	S	TCMX	70.262	73.857 E3	-5.1	106	0.00
2	L1	Aroclor-1016 {1}	3.044	2.917 E3	4.2	107	0.00
3	L1	Aroclor-1016 {2}	6.115	5.893 E3	3.6	104	0.01
4	L1	Aroclor-1016 {3}	2.855	2.667 E3	6.6	101	0.01
5	L1	Aroclor-1016 {4}	1.448	1.300 E3	10.2	98	0.01
6	L1	Aroclor-1016 {5}	2.211	2.045 E3	7.5	91	0.02
30	L7	Aroclor-1260 {1}	3.754	2.967 E3	21.0	84	0.02
31	L7	Aroclor-1260 {2}	4.539	3.762 E3	17.1	88	0.02
32	L7	Aroclor-1260 {3}	5.784	4.205 E3	27.3#	73	0.02
33	L7	Aroclor-1260 {4}	3.716	2.630 E3	29.2#	73	0.02
34	L7	Aroclor-1260 {5}	3.657	2.645 E3	27.7#	73	0.02
45	S	DCB	80.845	57.231 E3	29.2#	78	0.02

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	668.004	0.000		100.0#	0#	-4.71#
8	L2 Aroclor-1221 {2}	373.771	0.000		100.0#	0#	-5.04#
9	L2 Aroclor-1221 {3}	1.901	0.000	E3	100.0#	0#	-5.14#
10	L3 Aroclor-1232 {1}	1.633	0.000	E3	100.0#	0#	-5.14#
11	L3 Aroclor-1232 {2}	1.192	0.000	E3	100.0#	0#	-5.98#
12	L3 Aroclor-1232 {3}	0.933	0.000	E3	100.0#	0#	-7.47#
13	L3 Aroclor-1232 {4}	911.231	0.000		100.0#	0#	-8.53#
14	L3 Aroclor-1232 {5}	664.724	0.000		100.0#	0#	-10.25#
15	L4 Aroclor-1242 {1}	1.173	0.000	E3	100.0#	0#	-5.14#
16	L4 Aroclor-1242 {2}	1.732	0.000	E3	100.0#	0#	-7.47#
17	L4 Aroclor-1242 {3}	1.079	0.000	E3	100.0#	0#	-7.63#
18	L4 Aroclor-1242 {4}	1.843	0.000	E3	100.0#	0#	-8.53#
19	L4 Aroclor-1242 {5}	709.905	0.000		100.0#	0#	-10.13#
20	L5 Aroclor-1248 {1}	2.671	0.000	E3	100.0#	0#	-7.14#
21	L5 Aroclor-1248 {2}	3.049	0.000	E3	100.0#	0#	-8.53#
22	L5 Aroclor-1248 {3}	1.687	0.000	E3	100.0#	0#	-8.76#
23	L5 Aroclor-1248 {4}	1.377	0.000	E3	100.0#	0#	-9.41#
24	L5 Aroclor-1248 {5}	1.445	0.000	E3	100.0#	0#	-11.31#
25	L6 Aroclor-1254 {1}	2.201	0.000	E3	100.0#	0#	-9.49#
26	L6 Aroclor-1254 {2}	3.062	0.000	E3	100.0#	0#	-10.25#
27	L6 Aroclor-1254 {3}	3.438	0.000	E3	100.0#	0#	-12.06#
28	L6 Aroclor-1254 {4}	3.058	0.000	E3	100.0#	0#	-12.57#
29	L6 Aroclor-1254 {5}	4.051	0.000	E3	100.0#	0#	-13.32#
35	L8 Aroclor-1262 {1}	4.511	0.000	E3	100.0#	0#	-13.77#
36	L8 Aroclor-1262 {2}	3.725	0.000	E3	100.0#	0#	-14.41#
37	L8 Aroclor-1262 {3}	9.373	0.000	E3	100.0#	0#	-15.28#
38	L8 Aroclor-1262 {4}	3.975	0.000	E3	100.0#	0#	-16.16#
39	L8 Aroclor-1262 {5}	3.776	0.000	E3	100.0#	0#	-17.74#
40	L9 Aroclor-1268 {1}	2.806	0.000	E3	100.0#	0#	-16.04#
41	L9 Aroclor-1268 {2}	13.286	0.000	E3	100.0#	0#	-16.16#
42	L9 Aroclor-1268 {3}	9.686	0.000	E3	100.0#	0#	-16.65#
43	L9 Aroclor-1268 {4}	3.991	0.000	E3	100.0#	0#	-17.66#
44	L9 Aroclor-1268 {5}	25.754	0.000	E3	100.0#	0#	-18.44#

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
Signal #2							
7	L2 Aroclor-1221 {1}	668.686	0.000		100.0#	0#	-6.72#
8	L2 Aroclor-1221 {2}	480.866	0.000		100.0#	0#	-7.11#
9	L2 Aroclor-1221 {3}	1.785	0.000	E3	100.0#	0#	-7.28#
10	L3 Aroclor-1232 {1}	1.478	0.000	E3	100.0#	0#	-7.21#
11	L3 Aroclor-1232 {2}	1.115	0.000	E3	100.0#	0#	-8.35#
12	L3 Aroclor-1232 {3}	1.042	0.000	E3	100.0#	0#	-10.01#
13	L3 Aroclor-1232 {4}	731.248	0.000		100.0#	0#	-10.30#
14	L3 Aroclor-1232 {5}	725.574	0.000		100.0#	0#	-11.32#
15	L4 Aroclor-1242 {1}	847.060	0.000		100.0#	0#	-9.09#
16	L4 Aroclor-1242 {2}	998.507	0.000		100.0#	0#	-10.37#
17	L4 Aroclor-1242 {3}	952.275	0.000		100.0#	0#	-10.60#
18	L4 Aroclor-1242 {4}	1.570	0.000	E3	100.0#	0#	-11.67#
19	L4 Aroclor-1242 {5}	1.391	0.000	E3	100.0#	0#	-12.41#
20	L5 Aroclor-1248 {1}	3.348	0.000	E3	100.0#	0#	-9.64#
21	L5 Aroclor-1248 {2}	2.061	0.000	E3	100.0#	0#	-10.60#
22	L5 Aroclor-1248 {3}	2.850	0.000	E3	100.0#	0#	-11.38#
23	L5 Aroclor-1248 {4}	2.831	0.000	E3	100.0#	0#	-12.41#
24	L5 Aroclor-1248 {5}	3.629	0.000	E3	100.0#	0#	-12.58#
25	L6 Aroclor-1254 {1}	2.648	0.000	E3	100.0#	0#	-12.52#
26	L6 Aroclor-1254 {2}	2.935	0.000	E3	100.0#	0#	-13.07#
27	L6 Aroclor-1254 {3}	2.058	0.000	E3	100.0#	0#	-14.02#
28	L6 Aroclor-1254 {4}	3.278	0.000	E3	100.0#	0#	-15.04#
29	L6 Aroclor-1254 {5}	1.938	0.000	E3	100.0#	0#	-15.49#
35	L8 Aroclor-1262 {1}	3.703	0.000	E3	100.0#	0#	-16.88#
36	L8 Aroclor-1262 {2}	3.169	0.000	E3	100.0#	0#	-17.73#
37	L8 Aroclor-1262 {3}	6.783	0.000	E3	100.0#	0#	-18.50#
38	L8 Aroclor-1262 {4}	5.036	0.000	E3	100.0#	0#	-19.52#
39	L8 Aroclor-1262 {5}	2.979	0.000	E3	100.0#	0#	-21.14#
40	L9 Aroclor-1268 {1}	2.322	0.000	E3	100.0#	0#	-19.38#
41	L9 Aroclor-1268 {2}	10.923	0.000	E3	100.0#	0#	-19.55#
42	L9 Aroclor-1268 {3}	8.126	0.000	E3	100.0#	0#	-20.25#
43	L9 Aroclor-1268 {4}	3.497	0.000	E3	100.0#	0#	-21.06#
44	L9 Aroclor-1268 {5}	20.960	0.000	E3	100.0#	0#	-21.95#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062524.D 5PCB4G03.M Sat Jun 26 10:22:18 2004 Page 3

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	TCMX	100.000	107.868	-7.9	105	0.00
2	L1	Aroclor-1016 {1}	1000.000	1116.085	-11.6	107	0.00
3	L1	Aroclor-1016 {2}	1000.000	1100.390	-10.0	105	0.02
4	L1	Aroclor-1016 {3}	1000.000	1055.747	-5.6	106	0.02
5	L1	Aroclor-1016 {4}	1000.000	1077.468	-7.7	106	0.02
6	L1	Aroclor-1016 {5}	1000.000	1061.985	-6.2	101	0.02
30	L7	Aroclor-1260 {1}	1000.000	901.549	9.8	86	0.03
31	L7	Aroclor-1260 {2}	1000.000	869.037	13.1	84	0.03
32	L7	Aroclor-1260 {3}	1000.000	812.594	18.7	82	0.03
33	L7	Aroclor-1260 {4}	1000.000	845.688	15.4	83	0.03
34	L7	Aroclor-1260 {5}	1000.000	920.881	7.9	89	0.04
45	S	DCB	100.000	66.600	33.4#	70	0.04

Signal #2

1	S	TCMX	100.000	105.117	-5.1	106	0.00
2	L1	Aroclor-1016 {1}	1000.000	1056.299	-5.6	107	0.00
3	L1	Aroclor-1016 {2}	1000.000	1092.281	-9.2	104	0.01
4	L1	Aroclor-1016 {3}	1000.000	1038.416	-3.8	101	0.01
5	L1	Aroclor-1016 {4}	1000.000	1034.037	-3.4	98	0.01
6	L1	Aroclor-1016 {5}	1000.000	924.747	7.5	91	0.02
30	L7	Aroclor-1260 {1}	1000.000	871.495	12.9	84	0.02
31	L7	Aroclor-1260 {2}	1000.000	909.282	9.1	88	0.02
32	L7	Aroclor-1260 {3}	1000.000	726.895	27.3#	73	0.02
33	L7	Aroclor-1260 {4}	1000.000	757.760	24.2	73	0.02
34	L7	Aroclor-1260 {5}	1000.000	752.061	24.8	73	0.02
45	S	DCB	100.000	70.791	29.2#	78	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062524.D 5PCB4G03.M Sat Jun 26 10:21:36 2004 Page 1

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	1000.000	0.000	100.0#	0	-4.71#
8	L2 Aroclor-1221 {2}	1000.000	0.000	100.0#	0	-5.04#
9	L2 Aroclor-1221 {3}	1000.000	0.000	100.0#	0	-5.14#
10	L3 Aroclor-1232 {1}	1000.000	0.000	100.0#	0	-5.14#
11	L3 Aroclor-1232 {2}	1000.000	0.000	100.0#	0	-5.98#
12	L3 Aroclor-1232 {3}	1000.000	0.000	100.0#	0	-7.47#
13	L3 Aroclor-1232 {4}	1000.000	0.000	100.0#	0	-8.53#
14	L3 Aroclor-1232 {5}	1000.000	0.000	100.0#	0	-10.25#
15	L4 Aroclor-1242 {1}	1000.000	0.000	100.0#	0	-5.14#
16	L4 Aroclor-1242 {2}	1000.000	0.000	100.0#	0	-7.47#
17	L4 Aroclor-1242 {3}	1000.000	0.000	100.0#	0	-7.63#
18	L4 Aroclor-1242 {4}	1000.000	0.000	100.0#	0	-8.53#
19	L4 Aroclor-1242 {5}	1000.000	0.000	100.0#	0	-10.13#
20	L5 Aroclor-1248 {1}	1000.000	0.000	100.0#	0	-7.14#
21	L5 Aroclor-1248 {2}	1000.000	0.000	100.0#	0	-8.53#
22	L5 Aroclor-1248 {3}	1000.000	0.000	100.0#	0	-8.76#
23	L5 Aroclor-1248 {4}	1000.000	-87.442	108.7#	0	-9.41#
24	L5 Aroclor-1248 {5}	1000.000	0.000	100.0#	0	-11.31#
25	L6 Aroclor-1254 {1}	1000.000	0.000	100.0#	0	-9.49#
26	L6 Aroclor-1254 {2}	1000.000	0.000	100.0#	0	-10.25#
27	L6 Aroclor-1254 {3}	1000.000	0.000	100.0#	0	-12.06#
28	L6 Aroclor-1254 {4}	1000.000	0.000	100.0#	0	-12.57#
29	L6 Aroclor-1254 {5}	1000.000	0.000	100.0#	0	-13.32#
35	L8 Aroclor-1262 {1}	1000.000	0.000	100.0#	0	-13.77#
36	L8 Aroclor-1262 {2}	1000.000	0.000	100.0#	0	-14.41#
37	L8 Aroclor-1262 {3}	1000.000	0.000	100.0#	0	-15.28#
38	L8 Aroclor-1262 {4}	1000.000	0.000	100.0#	0	-16.16#
39	L8 Aroclor-1262 {5}	1000.000	0.000	100.0#	0	-17.74#
40	L9 Aroclor-1268 {1}	1000.000	0.000	100.0#	0	-16.04#
41	L9 Aroclor-1268 {2}	1000.000	0.000	100.0#	0	-16.16#
42	L9 Aroclor-1268 {3}	1000.000	0.000	100.0#	0	-16.65#
43	L9 Aroclor-1268 {4}	1000.000	0.000	100.0#	0	-17.66#
44	L9 Aroclor-1268 {5}	1000.000	0.000	100.0#	0	-18.44#

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540625\54062524.D\ECD2B.CH
Acq On : 26 Jun 2004 4:03 am Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : SAMP 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
	Signal #2					
7	L2 Aroclor-1221 {1}	1000.000	0.000	100.0#	0	-6.72#
8	L2 Aroclor-1221 {2}	1000.000	0.000	100.0#	0	-7.11#
9	L2 Aroclor-1221 {3}	1000.000	0.000	100.0#	0	-7.28#
10	L3 Aroclor-1232 {1}	1000.000	0.000	100.0#	0	-7.21#
11	L3 Aroclor-1232 {2}	1000.000	0.000	100.0#	0	-8.35#
12	L3 Aroclor-1232 {3}	1000.000	0.000	100.0#	0	-10.01#
13	L3 Aroclor-1232 {4}	1000.000	0.000	100.0#	0	-10.30#
14	L3 Aroclor-1232 {5}	1000.000	0.000	100.0#	0	-11.32#
15	L4 Aroclor-1242 {1}	1000.000	0.000	100.0#	0	-9.09#
16	L4 Aroclor-1242 {2}	1000.000	0.000	100.0#	0	-10.37#
17	L4 Aroclor-1242 {3}	1000.000	0.000	100.0#	0	-10.60#
18	L4 Aroclor-1242 {4}	1000.000	0.000	100.0#	0	-11.67#
19	L4 Aroclor-1242 {5}	1000.000	0.000	100.0#	0	-12.41#
20	L5 Aroclor-1248 {1}	1000.000	0.000	100.0#	0	-9.64#
21	L5 Aroclor-1248 {2}	1000.000	-127.179	112.7#	0	-10.60#
22	L5 Aroclor-1248 {3}	1000.000	-152.344	115.2#	0	-11.38#
23	L5 Aroclor-1248 {4}	1000.000	-78.728	107.9#	0	-12.41#
24	L5 Aroclor-1248 {5}	1000.000	-69.000	106.9#	0	-12.58#
25	L6 Aroclor-1254 {1}	1000.000	0.000	100.0#	0	-12.52#
26	L6 Aroclor-1254 {2}	1000.000	0.000	100.0#	0	-13.07#
27	L6 Aroclor-1254 {3}	1000.000	0.000	100.0#	0	-14.02#
28	L6 Aroclor-1254 {4}	1000.000	0.000	100.0#	0	-15.04#
29	L6 Aroclor-1254 {5}	1000.000	0.000	100.0#	0	-15.49#
35	L8 Aroclor-1262 {1}	1000.000	0.000	100.0#	0	-16.88#
36	L8 Aroclor-1262 {2}	1000.000	0.000	100.0#	0	-17.73#
37	L8 Aroclor-1262 {3}	1000.000	0.000	100.0#	0	-18.50#
38	L8 Aroclor-1262 {4}	1000.000	0.000	100.0#	0	-19.52#
39	L8 Aroclor-1262 {5}	1000.000	0.000	100.0#	0	-21.14#
40	L9 Aroclor-1268 {1}	1000.000	0.000	100.0#	0	-19.38#
41	L9 Aroclor-1268 {2}	1000.000	0.000	100.0#	0	-19.55#
42	L9 Aroclor-1268 {3}	1000.000	0.000	100.0#	0	-20.25#
43	L9 Aroclor-1268 {4}	1000.000	0.000	100.0#	0	-21.06#
44	L9 Aroclor-1268 {5}	1000.000	0.000	100.0#	0	-21.95#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062524.D 5PCB4G03.M Sat Jun 26 10:21:36 2004 Page 3

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 3:00:00 P**
Prep End Date: **6/24/2004 5:00:00 P**

Prep Batch **47050** Prep Code: **3050B_X** Technician: **Ita Kagan**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406B33-003B	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406B33-003BDL	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406B33-003BDUP	Waste		1.2716	0	0	50	39.321	6/24/2004	6/24/2004
0406B33-003BMS	Waste		1.2953	0	0	50	38.601	6/24/2004	6/24/2004
0406B33-003BPDS	Waste		1.2892	0	0	50	38.784	6/24/2004	6/24/2004
0406C14-001C	Waste		5.029	0	0	50	9.942	6/24/2004	6/24/2004
0406C14-002C	Waste		5.8631	0	0	50	8.528	6/24/2004	6/24/2004
0406C14-003C	Waste		4.8773	0	0	50	10.252	6/24/2004	6/24/2004
LCS-47050			1	0	0	50	50.000	6/24/2004	6/24/2004
MB-47050			1	0	0	50	50.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **MB-47050**	SampType: **MBLK**	TestCode: **6010B_X**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008956**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	50									
Antimony	BRL	5.0									
Arsenic	BRL	5.0									
Barium	BRL	5.0									
Beryllium	BRL	2.5									
Cadmium	BRL	2.5									
Calcium	BRL	50									
Chromium	BRL	2.5									
Cobalt	BRL	2.5									
Copper	BRL	2.5									
Iron	BRL	50									
Lead	BRL	5.0									
Magnesium	BRL	50									
Manganese	BRL	5.0									
Nickel	BRL	5.0									
Potassium	BRL	100									
Selenium	BRL	5.0									
Silver	BRL	2.5									
Sodium	BRL	100									
Thallium	BRL	5.0									
Vanadium	BRL	5.0									
Zinc	BRL	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **LCS-47050**	SampType: **LCS**	TestCode: **6010B_X**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	493.6	50	500	0	98.7	85	115	0	0		
Antimony	50.66	5.0	50	0	101	85	115	0	0		
Arsenic	50.51	5.0	50	0	101	85	115	0	0		
Barium	50.37	5.0	50	0	101	85	115	0	0		
Beryllium	51.17	2.5	50	0	102	85	115	0	0		
Cadmium	52.06	2.5	50	0	104	85	115	0	0		
Calcium	510.8	50	500	0	102	85	115	0	0		
Chromium	51.84	2.5	50	0	104	85	115	0	0		
Cobalt	50.92	2.5	50	0	102	85	115	0	0		
Copper	51.54	2.5	50	0	103	85	115	0	0		
Iron	523.1	50	500	0	105	85	115	0	0		
Lead	50.13	5.0	50	0	100	85	115	0	0		
Magnesium	514.1	50	500	0	103	85	115	0	0		
Manganese	51.21	5.0	50	0	102	85	115	0	0		
Nickel	51.18	5.0	50	0	102	85	115	0	0		
Potassium	518.8	100	500	0	104	85	115	0	0		
Selenium	49.74	5.0	50	0	99.5	85	115	0	0		
Silver	4.992	2.5	5	0	99.8	85	115	0	0		
Sodium	564.1	100	500	0	113	85	115	0	0		
Thallium	52.33	5.0	50	0	105	85	115	0	0		
Vanadium	53.27	5.0	50	0	107	85	115	0	0		
Zinc	51.88	5.0	50	0	104	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BMS** SampType: **MS** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	2629	39	386	1424	312	75	125	0	0		S
Antimony	37.05	3.9	38.6	0	96	75	125	0	0		
Arsenic	38.83	3.9	38.6	0	101	75	125	0	0		
Barium	66.83	3.9	38.6	22.13	116	75	125	0	0		
Beryllium	37.72	1.9	38.6	0	97.7	75	125	0	0		
Cadmium	36.38	1.9	38.6	0	94.2	75	125	0	0		
Calcium	15730	39	386	2712	3370	75	125	0	0		S
Chromium	42.1	1.9	38.6	10.19	82.7	75	125	0	0		
Cobalt	35.51	1.9	38.6	0	92	75	125	0	0		
Copper	88.32	1.9	38.6	13.11	195	75	125	0	0		S
Iron	1941	39	386	865.7	279	75	125	0	0		S
Lead	62.85	3.9	38.6	28.15	89.9	75	125	0	0		
Magnesium	1108	39	386	355.3	195	75	125	0	0		S
Manganese	92.04	3.9	38.6	97.22	-13.4	75	125	0	0		S
Nickel	46.71	3.9	38.6	12.48	88.7	75	125	0	0		
Potassium	795.4	77	386	226.5	147	75	125	0	0		S
Selenium	35.03	3.9	38.6	0	90.8	75	125	0	0		
Silver	3.735	1.9	3.86	0	96.8	75	125	0	0		
Sodium	824.2	77	386	362.9	119	75	125	0	0		
Thallium	37.21	3.9	38.6	0	96.4	75	125	0	0		
Vanadium	45.3	3.9	38.6	7.786	97.2	75	125	0	0		
Zinc	209.8	3.9	38.6	83.7	327	75	125	0	0		S

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BDUP**	SampType: **DUP**	TestCode: **6010B_X**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1468	39	0	0	0	0	0	1424	3.08	20	
Antimony	BRL	3.9	0	0	0	0	0	0	0	20	
Arsenic	BRL	3.9	0	0	0	0	0	0	0	20	
Barium	18.13	3.9	0	0	0	0	0	22.13	19.9	20	
Beryllium	BRL	2.0	0	0	0	0	0	0	0	20	
Cadmium	BRL	2.0	0	0	0	0	0	0	0	20	
Calcium	2168	39	0	0	0	0	0	2712	22.3	20	R
Chromium	4.097	2.0	0	0	0	0	0	10.19	85.3	20	R
Cobalt	BRL	2.0	0	0	0	0	0	0	0	20	
Copper	10.45	2.0	0	0	0	0	0	13.11	22.6	20	R
Iron	685.8	39	0	0	0	0	0	865.7	23.2	20	R
Lead	24.55	3.9	0	0	0	0	0	28.15	13.7	20	
Magnesium	251.4	39	0	0	0	0	0	355.3	34.2	20	R
Manganese	24.72	3.9	0	0	0	0	0	97.22	119	20	R
Nickel	9.106	3.9	0	0	0	0	0	12.48	31.3	20	R
Potassium	182.6	79	0	0	0	0	0	226.5	21.4	20	R
Selenium	BRL	3.9	0	0	0	0	0	0	0	20	
Silver	BRL	2.0	0	0	0	0	0	0	0	20	
Sodium	338.1	79	0	0	0	0	0	362.9	7.09	20	
Thallium	BRL	3.9	0	0	0	0	0	0	0	20	
Vanadium	6.621	3.9	0	0	0	0	0	7.786	16.2	20	
Zinc	69.32	3.9	0	0	0	0	0	83.7	18.8	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BDL** SampType: **DL** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1488	190	0	0	0	0	0	1424	4.40	10	
Antimony	BRL	19	0	0	0	0	0	0	0	10	
Arsenic	BRL	19	0	0	0	0	0	0	0	10	
Barium	23.04	19	0	0	0	0	0	22.13	4.06	10	
Beryllium	BRL	9.7	0	0	0	0	0	0	0	10	
Cadmium	BRL	9.7	0	0	0	0	0	0	0	10	
Calcium	2883	190	0	0	0	0	0	2712	6.10	10	
Chromium	10.5	9.7	0	0	0	0	0	10.19	3.04	10	
Cobalt	BRL	9.7	0	0	0	0	0	0	0	10	
Copper	13.33	9.7	0	0	0	0	0	13.11	1.65	10	
Iron	895.8	190	0	0	0	0	0	865.7	3.42	10	
Lead	29.35	19	0	0	0	0	0	28.15	4.16	10	
Magnesium	380	190	0	0	0	0	0	355.3	6.74	10	
Manganese	101.6	19	0	0	0	0	0	97.22	4.39	10	
Nickel	BRL	19	0	0	0	0	0	12.48	0	10	
Potassium	BRL	390	0	0	0	0	0	226.5	0	10	
Selenium	BRL	19	0	0	0	0	0	0	0	10	
Silver	BRL	9.7	0	0	0	0	0	0	0	10	
Sodium	467.3	390	0	0	0	0	0	362.9	25.1	10	R
Thallium	BRL	19	0	0	0	0	0	0	0	10	
Vanadium	BRL	19	0	0	0	0	0	7.786	0	10	
Zinc	89.46	19	0	0	0	0	0	83.7	6.65	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_X

Sample ID **0406B33-003BPDS** SampType: **PDS** TestCode: **6010B_X** Units: **mg/Kg** Prep Date: **6/24/2004** RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5132	78	3878	1424	95.6	75	125	0	0		
Antimony	377.2	7.8	387.8	0	97.2	75	125	0	0		
Arsenic	368.5	7.8	387.8	0	95	75	125	0	0		
Barium	369.9	7.8	387.8	22.13	89.7	75	125	0	0		
Beryllium	355.8	3.9	387.8	0	91.7	75	125	0	0		
Cadmium	356.2	3.9	387.8	0	91.8	75	125	0	0		
Calcium	6465	78	3878	2712	96.8	75	125	0	0		
Chromium	369.9	3.9	387.8	10.19	92.8	75	125	0	0		
Cobalt	353.9	3.9	387.8	0	91.2	75	125	0	0		
Copper	378	3.9	387.8	13.11	94.1	75	125	0	0		
Iron	4579	78	3878	865.7	95.7	75	125	0	0		
Lead	381.9	7.8	387.8	28.15	91.2	75	125	0	0		
Magnesium	3998	78	3878	355.3	93.9	75	125	0	0		
Manganese	470.6	7.8	387.8	97.22	96.3	75	125	0	0		
Nickel	364.7	7.8	387.8	12.48	90.8	75	125	0	0		
Potassium	4457	160	3878	226.5	109	75	125	0	0		E
Selenium	369.2	7.8	387.8	0	95.2	75	125	0	0		
Silver	37.94	3.9	38.78	0	97.8	75	125	0	0		
Sodium	4925	160	3878	362.9	118	75	125	0	0		
Thallium	371.1	7.8	387.8	0	95.7	75	125	0	0		
Vanadium	375.1	7.8	387.8	7.786	94.7	75	125	0	0		
Zinc	447.7	7.8	387.8	83.7	93.8	75	125	0	0		

Qualifiers:

- B Analyte detected in the associated Method Blank
- BRL Below Reporting Limit
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- N Analyte not NELAC certified
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICB**	SampType: **ICB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Sample ID: **ICV**	SampType: **ICV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.998	0.200	5	0	100	90	110	0	0		
Antimony	0.5021	0.0200	0.5	0	100	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICV**	SampType: **ICV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4971	0.0500	0.5	0	99.4	90	110	0	0		
Barium	0.5057	0.0200	0.5	0	101	90	110	0	0		
Beryllium	0.5026	0.0100	0.5	0	101	90	110	0	0		
Cadmium	0.5032	0.00500	0.5	0	101	90	110	0	0		
Calcium	5.04	0.100	5	0	101	90	110	0	0		
Chromium	0.5028	0.0100	0.5	0	101	90	110	0	0		
Cobalt	0.5032	0.0200	0.5	0	101	90	110	0	0		
Copper	0.5062	0.0100	0.5	0	101	90	110	0	0		
Iron	5.03	0.100	5	0	101	90	110	0	0		
Lead	0.4999	0.0100	0.5	0	100	90	110	0	0		
Magnesium	5.032	0.100	5	0	101	90	110	0	0		
Manganese	0.5041	0.00500	0.5	0	101	90	110	0	0		
Nickel	0.5043	0.0200	0.5	0	101	90	110	0	0		
Potassium	4.788	0.500	5	0	95.8	90	110	0	0		
Selenium	0.5074	0.0200	0.5	0	101	90	110	0	0		
Silver	0.04968	0.0100	0.05	0	99.4	90	110	0	0		
Sodium	4.941	1.00	5	0	98.8	90	110	0	0		
Thallium	0.5094	0.0200	0.5	0	102	90	110	0	0		
Vanadium	0.5013	0.0100	0.5	0	100	90	110	0	0		
Zinc	0.5026	0.0200	0.5	0	101	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCV1**	SampType: **CCV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008953**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10.14	0.200	10	0	101	90	110	0	0		
Antimony	1.016	0.0200	1	0	102	90	110	0	0		
Arsenic	0.9943	0.0500	1	0	99.4	90	110	0	0		
Barium	0.9966	0.0200	1	0	99.7	90	110	0	0		
Beryllium	1.001	0.0100	1	0	100	90	110	0	0		
Cadmium	1.002	0.00500	1	0	100	90	110	0	0		
Calcium	10.09	0.100	10	0	101	90	110	0	0		
Chromium	0.999	0.0100	1	0	99.9	90	110	0	0		
Cobalt	0.9945	0.0200	1	0	99.5	90	110	0	0		
Copper	1	0.0100	1	0	100	90	110	0	0		
Iron	10.11	0.100	10	0	101	90	110	0	0		
Lead	1.003	0.0100	1	0	100	90	110	0	0		
Magnesium	10.08	0.100	10	0	101	90	110	0	0		
Manganese	0.9966	0.00500	1	0	99.7	90	110	0	0		
Nickel	0.9959	0.0200	1	0	99.6	90	110	0	0		
Potassium	10.51	0.500	10	0	105	90	110	0	0		
Selenium	1.022	0.0200	1	0	102	90	110	0	0		
Silver	0.1028	0.0100	0.1	0	103	90	110	0	0		
Sodium	10.71	1.00	10	0	107	90	110	0	0		
Thallium	1.023	0.0200	1	0	102	90	110	0	0		
Vanadium	1.006	0.0100	1	0	101	90	110	0	0		
Zinc	1.012	0.0200	1	0	101	90	110	0	0		

Sample ID: **CCV**	SampType: **CCV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10.09	0.200	10	0	101	90	110	0	0		
Antimony	1.024	0.0200	1	0	102	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCV**	SampType: **CCV**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.008	0.0500	1	0	101	90	110	0	0		
Barium	1.01	0.0200	1	0	101	90	110	0	0		
Beryllium	1.01	0.0100	1	0	101	90	110	0	0		
Cadmium	1.016	0.00500	1	0	102	90	110	0	0		
Calcium	10.07	0.100	10	0	101	90	110	0	0		
Chromium	1.008	0.0100	1	0	101	90	110	0	0		
Cobalt	1.005	0.0200	1	0	101	90	110	0	0		
Copper	1.012	0.0100	1	0	101	90	110	0	0		
Iron	10.17	0.100	10	0	102	90	110	0	0		
Lead	1.004	0.0100	1	0	100	90	110	0	0		
Magnesium	10.09	0.100	10	0	101	90	110	0	0		
Manganese	1.005	0.00500	1	0	101	90	110	0	0		
Nickel	1.007	0.0200	1	0	101	90	110	0	0		
Potassium	10.53	0.500	10	0	105	90	110	0	0		
Selenium	1.022	0.0200	1	0	102	90	110	0	0		
Silver	0.1032	0.0100	0.1	0	103	90	110	0	0		
Sodium	10.52	1.00	10	0	105	90	110	0	0		
Thallium	1.038	0.0200	1	0	104	90	110	0	0		
Vanadium	1.017	0.0100	1	0	102	90	110	0	0		
Zinc	1.023	0.0200	1	0	102	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCB1**	SampType: **CCB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008954**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Sample ID: **CCB**	SampType: **CCB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	0.200	0	0	0	0	0	0	0		
Antimony	BRL	0.0200	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **CCB** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **52580**
Client ID: Batch ID: **47050** TestNo: **SW6010B** Analysis Date: **6/25/2004** SeqNo: **1008968**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	0	0	0	0		
Barium	BRL	0.0200	0	0	0	0	0	0	0		
Beryllium	BRL	0.0100	0	0	0	0	0	0	0		
Cadmium	BRL	0.00500	0	0	0	0	0	0	0		
Calcium	BRL	0.100	0	0	0	0	0	0	0		
Chromium	BRL	0.0100	0	0	0	0	0	0	0		
Cobalt	BRL	0.0200	0	0	0	0	0	0	0		
Copper	BRL	0.0100	0	0	0	0	0	0	0		
Iron	BRL	0.100	0	0	0	0	0	0	0		
Lead	BRL	0.0100	0	0	0	0	0	0	0		
Magnesium	BRL	0.100	0	0	0	0	0	0	0		
Manganese	BRL	0.00500	0	0	0	0	0	0	0		
Nickel	BRL	0.0200	0	0	0	0	0	0	0		
Potassium	BRL	0.500	0	0	0	0	0	0	0		
Selenium	BRL	0.0200	0	0	0	0	0	0	0		
Silver	BRL	0.0100	0	0	0	0	0	0	0		
Sodium	BRL	1.00	0	0	0	0	0	0	0		
Thallium	BRL	0.0200	0	0	0	0	0	0	0		
Vanadium	BRL	0.0100	0	0	0	0	0	0	0		
Zinc	BRL	0.0200	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	255.5	0.200	250	0	102	80	120	0	0		
Antimony	BRL	0.0200	0	0	0	80	120	0	0		
Arsenic	BRL	0.0500	0	0	0	80	120	0	0		
Barium	BRL	0.0200	0	0	0	80	120	0	0		
Beryllium	BRL	0.0100	0	0	0	80	120	0	0		
Cadmium	BRL	0.00500	0	0	0	80	120	0	0		
Calcium	215.8	0.100	250	0	86.3	80	120	0	0		
Chromium	BRL	0.0100	0	0	0	80	120	0	0		
Cobalt	BRL	0.0200	0	0	0	80	120	0	0		
Copper	BRL	0.0100	0	0	0	80	120	0	0		
Iron	91.81	0.100	100	0	91.8	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	237.1	0.100	250	0	94.8	80	120	0	0		
Manganese	BRL	0.00500	0	0	0	80	120	0	0		
Nickel	BRL	0.0200	0	0	0	80	120	0	0		
Potassium	BRL	0.500	0	0	0	80	120	0	0		
Selenium	BRL	0.0200	0	0	0	80	120	0	0		
Silver	BRL	0.0100	0	0	0	80	120	0	0		
Sodium	BRL	1.00	0	0	0	80	120	0	0		
Thallium	BRL	0.0200	0	0	0	80	120	0	0		
Vanadium	BRL	0.0100	0	0	0	80	120	0	0		
Zinc	BRL	0.0200	0	0	0	80	120	0	0		

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	256.9	0.200	250	0	103	80	120	0	0		
Antimony	BRL	0.0200	0	0	0	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSA**	SampType: **ICSA**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	80	120	0	0		
Barium	BRL	0.0200	0	0	0	80	120	0	0		
Beryllium	BRL	0.0100	0	0	0	80	120	0	0		
Cadmium	BRL	0.00500	0	0	0	80	120	0	0		
Calcium	217.4	0.100	250	0	87	80	120	0	0		
Chromium	BRL	0.0100	0	0	0	80	120	0	0		
Cobalt	BRL	0.0200	0	0	0	80	120	0	0		
Copper	BRL	0.0100	0	0	0	80	120	0	0		
Iron	93.19	0.100	100	0	93.2	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	240.5	0.100	250	0	96.2	80	120	0	0		
Manganese	0.00546	0.00500	0	0	0	80	120	0	0		
Nickel	BRL	0.0200	0	0	0	80	120	0	0		
Potassium	BRL	0.500	0	0	0	80	120	0	0		
Selenium	BRL	0.0200	0	0	0	80	120	0	0		
Silver	BRL	0.0100	0	0	0	80	120	0	0		
Sodium	BRL	1.00	0	0	0	80	120	0	0		
Thallium	BRL	0.0200	0	0	0	80	120	0	0		
Vanadium	BRL	0.0100	0	0	0	80	120	0	0		
Zinc	BRL	0.0200	0	0	0	80	120	0	0		

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	260.6	0.200	255	0	102	80	120	0	0		
Antimony	0.4802	0.0200	0.5	0	96	80	120	0	0		
Arsenic	0.4851	0.0500	0.5	0	97	80	120	0	0		
Barium	0.4682	0.0200	0.5	0	93.6	80	120	0	0		
Beryllium	0.4843	0.0100	0.5	0	96.9	80	120	0	0		
Cadmium	0.4633	0.00500	0.5	0	92.7	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	219.3	0.100	255	0	86	80	120	0	0		
Chromium	0.4643	0.0100	0.5	0	92.9	80	120	0	0		
Cobalt	0.4551	0.0200	0.5	0	91	80	120	0	0		
Copper	0.4916	0.0100	0.5	0	98.3	80	120	0	0		
Iron	96.9	0.100	105	0	92.3	80	120	0	0		
Lead	0.4534	0.0100	0.5	0	90.7	80	120	0	0		
Magnesium	241.6	0.100	255	0	94.7	80	120	0	0		
Manganese	0.4711	0.00500	0.5	0	94.2	80	120	0	0		
Nickel	0.4516	0.0200	0.5	0	90.3	80	120	0	0		
Potassium	6.648	0.500	5	0	133	80	120	0	0		S
Selenium	0.4852	0.0200	0.5	0	97	80	120	0	0		
Silver	0.04966	0.0100	0.05	0	99.3	80	120	0	0		
Sodium	5.192	1.00	5	0	104	80	120	0	0		
Thallium	0.4867	0.0200	0.5	0	97.3	80	120	0	0		
Vanadium	0.4746	0.0100	0.5	0	94.9	80	120	0	0		
Zinc	0.4704	0.0200	0.5	0	94.1	80	120	0	0		

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	258.7	0.200	255	0	101	80	120	0	0		
Antimony	0.4812	0.0200	0.5	0	96.2	80	120	0	0		
Arsenic	0.4884	0.0500	0.5	0	97.7	80	120	0	0		
Barium	0.4666	0.0200	0.5	0	93.3	80	120	0	0		
Beryllium	0.4806	0.0100	0.5	0	96.1	80	120	0	0		
Cadmium	0.4629	0.00500	0.5	0	92.6	80	120	0	0		
Calcium	218.6	0.100	255	0	85.7	80	120	0	0		
Chromium	0.4619	0.0100	0.5	0	92.4	80	120	0	0		
Cobalt	0.4532	0.0200	0.5	0	90.6	80	120	0	0		
Copper	0.4873	0.0100	0.5	0	97.5	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47050

Sample ID: **ICSAB**	SampType: **ICSAB**	TestCode: **6010B_W_T**	Units: **mg/L**	Prep Date:	RunNo: **52580**
Client ID:	Batch ID: **47050**	TestNo: **SW6010B**		Analysis Date: **6/25/2004**	SeqNo: **1008966**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	96.68	0.100	105	0	92.1	80	120	0	0		
Lead	0.4551	0.0100	0.5	0	91	80	120	0	0		
Magnesium	240.9	0.100	255	0	94.5	80	120	0	0		
Manganese	0.469	0.00500	0.5	0	93.8	80	120	0	0		
Nickel	0.4492	0.0200	0.5	0	89.8	80	120	0	0		
Potassium	6.65	0.500	5	0	133	80	120	0	0		S
Selenium	0.4899	0.0200	0.5	0	98	80	120	0	0		
Silver	0.05076	0.0100	0.05	0	102	80	120	0	0		
Sodium	5.308	1.00	5	0	106	80	120	0	0		
Thallium	0.4885	0.0200	0.5	0	97.7	80	120	0	0		
Vanadium	0.4742	0.0100	0.5	0	94.8	80	120	0	0		
Zinc	0.4705	0.0200	0.5	0	94.1	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc
3785 Presidential Parkway
Atlanta, GA 30340

I. K
6-24-04

ICP PREPARATION LOG BOOK

EPA Methods 200.7, 3005A, 3010A, 3050B,, N7300, Paint_Met, TSP_Met, OSHA 121
IA-13001, IP-12013, IP-12001, IA-13044, IA13013, IA-13045 Ant. Met. 161-97 → 0.5

AES Batch #: 47050
Matrix : WASTE
Prep Date: 6-24-04

HNO_3: 8671
HCl: 8682
H_2O_2: N/A

LCS/LCSD ID: VHG #8342 ml
LCS Theo. Conc.: 10.0, 1.0, 0.1
MS/MSD ID#: Same as LCS
MS Theo. Conc.: Same as LCS
Prep. Method #: 3050B-X
Balance #: 3

Hotblock ID and Temp: PO #1512 97°C
Thermomtr ID & Calib.Exp. AES #1589 12-14-04

AES Project #	Sample Number	Initial Vol. (mL)	Sample wt grams	Final Vol. (mL)	pH Check	Comments
47050	LCS	N/A	1.0000	50	N/A	
47050	MB		1.0000			
0406B33	003B Orig.		1.2892			
	003B DUP		1.2716			
I.K.	003B MS	I.K.	1.2953			
0406C14	001C	5ml	5.0290			
	002C		5.8631			
I.K.	003C	I.K.	4.8773	I.K.	I.K.	

I. K. 6-24-04

I. K. 6-24-04

* Initial pH of the samples must be ≤ 2. If pH is higher than 2, notify the Laboratory Manager.

Analyst: I. K. Date: 6-24-04

Analysis Report Summary 06/28/04 09:36:34 AM page 1

ICV=Mot-184-010
ICAL=Mot-184-011
ICAL2=Mot-184-012

Reviewed 6-28-04 CDW

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-BLANK	62504A	ICPCLP	06/25/04	08:40		X	IR
2	ICAL	62504A	ICPCLP	06/25/04	08:44		X	IR
3	ICAL2	62504A	ICPCLP	06/25/04	08:48		X	IR
4	CKSTD	62504A	ICPCLP	06/25/04	08:52	CDW	Q	CONC
5	ICV	62504A	ICPCLP	06/25/04	08:57	CDW	Q	CONC
6	ICB	62504A	ICPCLP	06/25/04	09:01	CDW	B	CONC
7	CRI	62504A	ICPCLP	06/25/04	09:05	CDW	Q	CONC
8	CRI2	62504A	ICPCLP	06/25/04	09:09	CDW	Q	CONC
9	ICSA	62504A	ICPCLP	06/25/04	09:14	CDW	Q	CONC
10	ICSAB	62504A	ICPCLP	06/25/04	09:18	CDW	Q	CONC
11	CCV	62504A	ICPCLP	06/25/04	09:22	CDW	Q	CONC
12	CCB	62504A	ICPCLP	06/25/04	09:27	CDW	B	CONC
13	~~LCS-46946~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~09:31~~	~~CDW~~	~~S~~	~~CONC~~
14	LCS-46946	62504A	ICPCLP	06/25/04	09:40	CDW	S	CONC
15	0406174-028C	62504A	ICPCLP	06/25/04	09:44	CDW	S	CONC
16	0406174-029C	62504A	ICPCLP	06/25/04	09:48	CDW	S	CONC
17	0406174-030C	62504A	ICPCLP	06/25/04	09:52	CDW	S	CONC
18	ICSA	62504A	ICPCLP	06/25/04	09:57	CDW	Q	CONC
19	ICSAB	62504A	ICPCLP	06/25/04	10:00	CDW	Q	CONC
20	CCV1	62504A	ICPCLP	06/25/04	10:05	CDW	Q	CONC
21	CCB1	62504A	ICPCLP	06/25/04	10:10	CDW	B	CONC
22	LCS-47050	62504A	ICPCLP	06/25/04	10:19	CDW	S	CONC
23	MB-47050	62504A	ICPCLP	06/25/04	10:23	CDW	S	CONC
24	0406B33-003B	62504A	ICPCLP	06/25/04	10:27	CDW	S	CONC
25	0406B33-003BDUP	62504A	ICPCLP	06/25/04	10:31	CDW	S	CONC
26	0406B33-003BMS	62504A	ICPCLP	06/25/04	10:35	CDW	S	CONC
27	0406C14-001C	62504A	ICPCLP	06/25/04	10:39	CDW	S	CONC
28	0406C14-002C	62504A	ICPCLP	06/25/04	10:43	CDW	S	CONC
29	0406C14-003C	62504A	ICPCLP	06/25/04	10:50	CDW	S	CONC
30	0406B33-003BDL	62504A	ICPCLP	06/25/04	10:54	CDW	S	CONC
31	0406B33-003BPDS	62504A	ICPCLP	06/25/04	10:58	CDW	S	CONC
32	ICSA	62504A	ICPCLP	06/25/04	11:03	CDW	Q	CONC
33	ICSAB	62504A	ICPCLP	06/25/04	11:06	CDW	Q	CONC
34	~~CCV2~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~11:11~~	~~CDW~~	~~Q~~	~~CONC~~
35	~~CCB2~~	~~62504A~~	~~ICPCLP~~	~~06/25/04~~	~~11:16~~	~~CDW~~	~~B~~	~~CONC~~
36	CCV	62504A	ICPCLP	06/25/04	11:21	CDW	Q	CONC
37	CCB	62504A	ICPCLP	06/25/04	11:25	CDW	B	CONC
38	LCS-47097	62504A	ICPCLP	06/25/04	11:29	CDW	S	CONC
39	MB-47097	62504A	ICPCLP	06/25/04	11:33	CDW	S	CONC
40	0406C40-003A	62504A	ICPCLP	06/25/04	11:37	CDW	S	CONC
41	0406C40-003ADUP	62504A	ICPCLP	06/25/04	11:41	CDW	S	CONC
42	0406C40-003AMS	62504A	ICPCLP	06/25/04	11:45	CDW	S	CONC
43	0406B27-001A	62504A	ICPCLP	06/25/04	11:49	CDW	S	CONC
44	0406C46-013A	62504A	ICPCLP	06/25/04	11:53	CDW	S	CONC
45	0406C40-003ADL	62504A	ICPCLP	06/25/04	11:57	CDW	S	CONC
46	0406C40-003APDS	62504A	ICPCLP	06/25/04	12:01	CDW	S	CONC
47	CCV	62504A	ICPCLP	06/25/04	12:05	CDW	Q	CONC
48	CCB	62504A	ICPCLP	06/25/04	12:10	CDW	B	CONC
49	LCS-47096	62504A	ICPCLP	06/25/04	12:14	CDW	S	CONC
50	MB-47096	62504A	ICPCLP	06/25/04	12:18	CDW	S	CONC
51	0406C46-001A	62504A	ICPCLP	06/25/04	12:22	CDW	S	CONC
52	0406C46-001ADUP	62504A	ICPCLP	06/25/04	12:26	CDW	S	CONC
53	0406C46-001AMS	62504A	ICPCLP	06/25/04	12:30	CDW	S	CONC

CDW 6-28-04

-300.7-W-T

6010B-W-T 46948

6010B_X

Running low-need to remake.
CDW 6-28-04

1311_M

6010B_S

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	0406C46-002A	62504A	ICPCLP	06/25/04	12:33	CDW	S	CONC
55	0406C46-003A	62504A	ICPCLP	06/25/04	12:37	CDW	S	CONC
56	0406C46-~~004A~~ 004A	62504A	ICPCLP	06/25/04	12:41	CDW	S	CONC
57	0406C46-005A CDW	62504A	ICPCLP	06/25/04	12:45	CDW	S	CONC
58	0406C46-006A 6-28	62504A	ICPCLP	06/25/04	12:49	CDW	S	CONC
59	CCV1 6-28-04	62504A	ICPCLP	06/25/04	12:54	CDW	Q	CONC
60	CCB1	62504A	ICPCLP	06/25/04	12:58	CDW	B	CONC
61	0406C46-007A	62504A	ICPCLP	06/25/04	13:02	CDW	S	CONC
62	0406C46-008A	62504A	ICPCLP	06/25/04	13:06	CDW	S	CONC
63	0406C46-009A	62504A	ICPCLP	06/25/04	13:10	CDW	S	CONC
64	0406C46-010A	62504A	ICPCLP	06/25/04	13:14	CDW	S	CONC
65	0406C46-011A	62504A	ICPCLP	06/25/04	13:18	CDW	S	CONC
66	0406C46-012A	62504A	ICPCLP	06/25/04	13:22	CDW	S	CONC
67	0406C46-001ADL	62504A	ICPCLP	06/25/04	13:26	CDW	S	CONC
68	0406C46-001APDS	62504A	ICPCLP	06/25/04	13:30	CDW	S	CONC
69	ICSA	62504A	ICPCLP	06/25/04	13:34	CDW	Q	CONC
70	ICSAB	62504A	ICPCLP	06/25/04	13:38	CDW	Q	CONC
71	CCV2	62504A	ICPCLP	06/25/04	13:43	CDW	Q	CONC
72	CCB2	62504A	ICPCLP	06/25/04	13:47	CDW	B	CONC
73	LCS-47093	62504B	ICPCLP	06/25/04	14:42	CDW	S	CONC
74	MB-47093	62504B	ICPCLP	06/25/04	14:46	CDW	S	CONC
75	0406C51-003A	62504B	ICPCLP	06/25/04	14:50	CDW	S	CONC
76	0406C51-003CDUP	62504B	ICPCLP	06/25/04	14:54	CDW	S	CONC
77	0406C51-003CMS	62504B	ICPCLP	06/25/04	14:58	CDW	S	CONC
78	0406C51-001A	62504B	ICPCLP	06/25/04	15:02	CDW	S	CONC
79	0406C51-002A	62504B	ICPCLP	06/25/04	15:06	CDW	S	CONC
80	0406C51-004A	62504B	ICPCLP	06/25/04	15:10	CDW	S	CONC
81	0406C51-005A	62504B	ICPCLP	06/25/04	15:14	CDW	S	CONC
82	0406C51-006A	62504B	ICPCLP	06/25/04	15:18	CDW	S	CONC
83	CCV1	62504B	ICPCLP	06/25/04	15:22	CDW	Q	CONC
84	CCB1	62504B	ICPCLP	06/25/04	15:27	CDW	B	CONC
85	0406C02-001A	62504B	ICPCLP	06/25/04	15:31	CDW	S	CONC
86	0406C51-007A	62504B	ICPCLP	06/25/04	15:37	CDW	S	CONC
87	0406C02-001A	62504B	ICPCLP	06/25/04	15:41	CDW	S	CONC
88	0406C25-001A	62504B	ICPCLP	06/25/04	15:45	CDW	S	CONC
89	0406C35-002A	62504B	ICPCLP	06/25/04	15:48	CDW	S	CONC
90	ICSA	62504B	ICPCLP	06/25/04	15:53	CDW	Q	CONC
91	ICSAB	62504B	ICPCLP	06/25/04	15:57	CDW	Q	CONC
92	CCV2	62504B	ICPCLP	06/25/04	16:02	CDW	Q	CONC
93	CCB2	62504B	ICPCLP	06/25/04	16:06	CDW	B	CONC
94	~~LCS-47097~~	~~62504B~~	~~ICPCLP~~	~~06/25/04~~	~~16:10~~	~~CDW~~	~~S~~	~~CONC~~
95	~~MB-47097~~	~~62504B~~	~~ICPCLP~~	~~06/25/04~~	~~16:14~~	~~CDW~~	~~S~~	~~CONC~~
96	LCS-47098	62504C	ICPCLP	06/25/04	17:10	CDW	S	CONC
97	MB-47098	62504C	ICPCLP	06/25/04	17:14	CDW	S	CONC
98	0406C37-006C	62504C	ICPCLP	06/25/04	17:19	CDW	S	CONC
99	0406C37-006CDUP	62504C	ICPCLP	06/25/04	17:23	CDW	S	CONC
100	0406C37-006CMS	62504C	ICPCLP	06/25/04	17:27	CDW	S	CONC
101	0406871-001E	62504C	ICPCLP	06/25/04	17:31	CDW	S	CONC
102	0406C17-001A	62504C	ICPCLP	06/25/04	17:35	CDW	S	CONC
103	0406C37-006CDL	62504C	ICPCLP	06/25/04	17:39	CDW	S	CONC
104	0406C37-006CPDS	62504C	ICPCLP	06/25/04	17:43	CDW	S	CONC
105	ICSA	62504C	ICPCLP	06/25/04	17:47	CDW	Q	CONC
106	ICSAB	62504C	ICPCLP	06/25/04	17:51	CDW	Q	CONC
107	CCV1	62504C	ICPCLP	06/25/04	17:56	CDW	Q	CONC

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Paint_Mat

CDW 6-28-04

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#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	CCB1	62504C	ICPCLP	06/25/04	18:01	CDW	B	CONC
109	LC-47121	62504C	ICPCLP	06/25/04	18:04	CDW	S	CONC
110	MB-47121	62504C	ICPCLP	06/25/04	18:08	CDW	S	CONC
111	0406C87-001A	62504C	ICPCLP	06/25/04	18:12	CDW	S	CONC
112	0406C87-002A	62504C	ICPCLP	06/25/04	18:16	CDW	S	CONC
113	0406C87-003A	62504C	ICPCLP	06/25/04	18:20	CDW	S	CONC
114	0406C87-004A	62504C	ICPCLP	06/25/04	18:24	CDW	S	CONC
115	0406C87-005A	62504C	ICPCLP	06/25/04	18:28	CDW	S	CONC
116	0406C87-006A	62504C	ICPCLP	06/25/04	18:32	CDW	S	CONC
117	LCS-47099	62504C	ICPCLP	06/25/04	18:36	CDW	S	CONC
118	MB-47099	62504C	ICPCLP	06/25/04	18:40	CDW	S	CONC
119	CCV2	62504C	ICPCLP	06/25/04	18:45	CDW	Q	CONC
120	CCB2	62504C	ICPCLP	06/25/04	18:50	CDW	B	CONC
121	0406C18-002A ~~DUP~~	62504C	ICPCLP	06/25/04	18:53	CDW	S	CONC
122	0406C18-002A ~~DUP~~ MS	62504C	ICPCLP	06/25/04	18:57	CDW	S	CONC
123	0406C18-~~002AMS~~ 001A	62504C	ICPCLP	06/25/04	19:01	CDW	S	CONC
124	0406C18-~~001A~~ 003A	62504C	ICPCLP	06/25/04	19:05	CDW	S	CONC
125	0406C18-~~003A~~ 004A	62504C	ICPCLP	06/25/04	19:09	CDW	S	CONC
126	0406C18-~~004A~~ 002A	62504C	ICPCLP	06/25/04	19:13	CDW	S	CONC
127	0406866-001A	62504C	ICPCLP	06/25/04	19:17	CDW	S	CONC
128	0406C39-027A	62504C	ICPCLP	06/25/04	19:21	CDW	S	CONC
129	0406C39-028A	62504C	ICPCLP	06/25/04	19:25	CDW	S	CONC
130	0406C39-029A	62504C	ICPCLP	06/25/04	19:29	CDW	S	CONC
131	CCV	62504C	ICPCLP	06/25/04	19:33	CDW	Q	CONC
132	CCB	62504C	ICPCLP	06/25/04	19:38	CDW	B	CONC
133	0406C39-030A	62504C	ICPCLP	06/25/04	19:42	CDW	S	CONC
134	0406C39-031A	62504C	ICPCLP	06/25/04	19:46	CDW	S	CONC
135	0406C39-032A	62504C	ICPCLP	06/25/04	19:50	CDW	S	CONC
136	0406C39-033A	62504C	ICPCLP	06/25/04	19:54	CDW	S	CONC
137	0406B96-001A	62504C	ICPCLP	06/25/04	19:58	CDW	S	CONC
138	0406C18-001B	62504C	ICPCLP	06/25/04	20:02	CDW	S	CONC
139	0406C18-002B	62504C	ICPCLP	06/25/04	20:06	CDW	S	CONC
140	0406C18-003B	62504C	ICPCLP	06/25/04	20:10	CDW	S	CONC
141	0406C18-004B	62504C	ICPCLP	06/25/04	20:14	CDW	S	CONC
142	0406C39-034A	62504C	ICPCLP	06/25/04	20:18	CDW	S	CONC
143	CCV1	62504C	ICPCLP	06/25/04	20:22	CDW	Q	CONC
144	CCB1	62504C	ICPCLP	06/25/04	20:27	CDW	B	CONC
145	0406C18-002ADL	62504C	ICPCLP	06/25/04	20:31	CDW	S	CONC
146	0406C18-002APDS	62504C	ICPCLP	06/25/04	20:35	CDW	S	CONC
147	ICSA	62504C	ICPCLP	06/25/04	20:39	CDW	Q	CONC
148	ICSAB	62504C	ICPCLP	06/25/04	20:43	CDW	Q	CONC
149	CCV2	62504C	ICPCLP	06/25/04	20:48	CDW	Q	CONC
150	CCB2	62504C	ICPCLP	06/25/04	20:52	CDW	B	CONC

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#	Sample Name	Ag	Al	As	Ba	Be	Ca
1	STD1-BLANK	.05949	.74696	.02399	.00999	-.16499	.04799
2	ICAL	3.51382	18.7336	2.86435	40.8935	17.7711	36.6557
3	ICAL2	6.99965	37.0806	5.66271	81.1919	35.7312	72.5899
4	CKSTD	.1013	9.944	.9859	.9820	.9849	9.828
5	ICV	.0497	4.998	.4971	.5057	.5026	5.040
6	ICB	-.0004	-.0886	-.0016	.0003	.0002	.0143
7	CRI	.0011	.1076	.0056	.0105	.0100	.1511
8	CRI2	.0097	1.013	.0960	.1034	.1009	1.084
9	ICSA	-.0006	254.3	-.0018	.0001	.0001	214.2
10	ICSAB	.0497	258.9	.4701	.4599	.4765	217.0
11	CCV	.1007	10.11	.9791	.9832	.9844	9.934
12	CCB	-.0009	-.0678	-.0030	.0005	.0005	.0315
~~13~~	~~LCS-46946~~	~~.0014~~	~~-.1881~~	~~-.0020~~	~~-.0002~~	~~.0036~~	~~-.0068~~
14	LCS-46946	.1085	9.866	1.029	1.007	1.034	10.29
15	0406174-028C	-.0004	-.1023	-.0045	.0008	.0003	7.942
16	0406174-029C	-.0009	-.0415	-.0033	.0011	.0001	12.81
17	0406174-030C	-.0003	-.0967	-.0046	.0091	-.0000	72.25
18	ICSA	-.0011	255.5	-.0059	-.0001	.0000	215.8
19	ICSAB	.0497	260.6	.4851	.4682	.4843	219.3
20	CCV1	.1028	10.14	.9943	.9967	1.001	10.09
21	CCB1	-.0007	-.0862	-.0025	.0004	.0004	.0294
22	LCS-47050	.0999	9.871	1.010	1.007	1.023	10.22
23	MB-47050	-.0007	.0600	-.0054	.0006	.0003	.0458
24	0406B33-003B	-.0010	36.71	.0185	.5705	.0025	69.93
25	0406B33-003BDUP	-.0004	37.34	.0267	.4610	.0020	55.14
26	0406B33-003BMS	.0968	68.10	1.006	1.731	.9771	407.5
27	0406C14-001C	.0001	2.047	.0053	.0302	.0004	9.989
28	0406C14-002C	.0592	1.730	.0631	.0875	.0010	3.622
29	0406C14-003C	-.0004	.2813	.0132	.0249	-.0001	1.709
30	0406B33-003BDL	-.0008	7.673	.0003	.1188	.0004	14.86
31	0406B33-003BPDS	.4892	66.17	4.751	4.768	4.587	83.34
32	ICSA	-.0004	256.9	-.0020	.0015	.0013	217.4
33	ICSAB	.0508	258.7	.4884	.4666	.4806	218.6
~~34~~	~~CCV2~~	~~.2048~~	~~20.00~~	~~1.998~~	~~1.957~~	~~1.976~~	~~19.64~~
35	CCB2	.0005	-.0566	-.0031	.0012	.0007	.0446
36	CCV	.1032	10.09	1.008	1.010	1.010	10.07
37	CCB	.0005	-.0976	-.0045	.0005	.0003	.0071
38	LCS-47097	.1000	9.781	1.030	.9446	1.018	10.09
39	MB-47097	-.0006	.1597	-.0043	.0063	.0003	.3106
40	0406C40-003A	-.0006	.2947	-.0045	.3094	.0012	6.779
41	0406C40-003ADUP	-.0011	.2610	-.0031	.3441	.0012	7.470
42	0406C40-003AMS	.0992	9.821	1.030	1.247	1.007	16.45
43	0406B27-001A	-.0012	1.842	-.0033	.0702	.0003	127.9
44	0406C46-013A	-.0004	.2436	-.0009	.0163	.0000	12.43
45	0406C40-003ADL	-.0013	.1083	-.0073	.0675	.0001	1.491
46	0406C40-003APDS	.1032	10.38	1.022	1.137	1.005	13.36
47	CCV	.1029	10.21	1.025	1.016	1.016	10.10
48	CCB	-.0009	-.1003	-.0031	.0004	.0003	.0071
49	LCS-47096	.0984	9.858	.9953	1.002	1.008	10.06
50	MB-47096	-.0002	.0506	-.0038	.0013	.0008	.0574
51	0406C46-001A	-.0013	401.3	.0818	.8531	.0078	2.434
52	0406C46-001ADUP	-.0010	361.8	.0795	.8262	.0072	2.155
53	0406C46-001AMS	.0968	359.8	1.007	1.761	1.012	11.52

#	Sample Name	Ag	Al	As	Ba	Be	Ca
54	0406C46-002A	-.0017	342.9	.0725	.9700	.0091	2.041
55	0406C46-003A	-.0066	319.8	.0769	.9689	.0117	3.613
56	0406C46-~~044X~~ 4A	-.0023	312.4	.0699	.9589	.0079	1.902
57	0406C46-005A	-.0010	302.4	.0752	.7192	.0068	1.728
58	0406C46-006A	-.0074	305.6	.0848	.9748	.0134	7.906
59	CCV1	.1053	10.46	1.031	1.031	1.028	10.21
60	CCB1	-.0015	-.0850	-.0030	.0004	.0002	.0091
61	0406C46-007A	-.0083	174.7	.1148	.6898	.0114	3.652
62	0406C46-008A	-.0111	246.9	.0715	1.132	.0120	3.588
63	0406C46-009A	-.0054	109.9	.0789	.5115	.0081	2.009
64	0406C46-010A	-.0072	154.9	.0870	.7086	.0107	5.953
65	0406C46-011A	-.0046	327.6	.0663	1.067	.0098	3.681
66	0406C46-012A	-.0026	306.8	.0860	.8050	.0096	2.154
67	0406C46-001ADL	-.0011	95.09	.0151	.1885	.0016	.5797
68	0406C46-001APDS	.4889	252.3	4.736	4.875	4.577	45.50
69	ICSA	-.0003	256.1	.0010	.0016	.0013	216.1
70	ICSAB	.0510	257.9	.4783	.4632	.4776	217.0
71	CCV2	.2032	20.04	1.986	1.951	1.967	19.52
72	CCB2	-.0006	-.0476	-.0023	.0014	.0011	.0532
73	LCS-47093	.0122	11.24	.0064	17.20	.0000	12.16
74	MB-47093	-.0002	.2070	-.0034	.0119	.0000	1.310
75	0406C51-003A	-.0003	7.760	-.0029	.0528	.0003	157.0
76	0406C51-003CDUP	-.0011	8.063	-.0047	.0462	.0003	151.5
77	0406C51-003CMS	-.0005	7.478	-.0034	.0473	.0003	149.9
78	0406C51-001A	-.0003	2.379	-.0027	.0083	.0001	21.61
79	0406C51-002A	-.0004	9.261	-.0022	.0723	.0003	67.58
80	0406C51-004A	-.0004	6.051	-.0045	.1148	.0002	185.8
81	0406C51-005A	-.0006	2.745	-.0017	2.264	.0000	6.169
82	0406C51-006A	.0016	4.200	.0196	2.331	-.0001	6.783
83	CCV1	.1025	10.03	.9951	.9975	.9977	9.933
84	CCB1	-.0005	-.1055	-.0051	.0007	.0004	.0132
85	0406C02-001A	.0017	6.766	-.0062	.0560	.0001	48.57
86	0406C51-007A	.0011	6.533	.0009	.0548	.0001	48.06
87	0406C02-001A	-.0010	6.832	-.0045	.0419	.0003	311.1
88	0406C25-001A	.0030	8.261	.0076	.0746	.0003	125.2
89	0406C35-002A	.0017	6.677	.0484	.5928	.0002	99.73
90	ICSA	-.0092	Q130.6	-.0026	-.0010	.0020	Q107.5
91	ICSAB	.0512	259.8	.4764	.4679	.4773	216.1
92	CCV2	.2067	20.28	2.012	1.984	1.989	19.67
93	CCB2	-.0011	-.0524	-.0040	.0016	.0013	.0540
94	LCS-47097	-.0014	-.1891	-.0044	-.0002	.0037	-.0066
95	MB-47097	-.0016	-.1899	-.0020	.0002	.0037	-.0072
96	LCS-47098	.1001	9.823	1.004	.9854	1.004	9.926
97	MB-47098	-.0005	-.0038	-.0032	.0005	.0002	.0437
98	0406C37-006C	-.0010	.0934	-.0056	.0817	.0001	.5163
99	0406C37-006CDUP	-.0005	.0613	-.0078	.0794	.0000	.3339
100	0406C37-006CMS	.0999	9.896	.9930	1.068	1.004	10.26
101	0406871-001E	-.0009	.0325	-.0024	.0217	.0002	7.470
102	0406C17-001A	.0097	.3597	-.0051	.0312	-.0001	13.29
103	0406C37-006CDL	-.0003	.0405	-.0070	.0166	-.0001	.1000
104	0406C37-006CPDS	.1042	10.43	1.010	1.053	1.003	10.16
105	ICSA	-.0002	254.8	-.0025	.0004	.0003	213.4
106	ICSAB	.0497	257.1	.4716	.4593	.4719	214.3
107	CCV1	.1031	10.18	.9915	.9967	.9942	9.976

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#	Sample Name	Ag	Al	As	Ba	Be	Ca
108	CCB1	-.0008	-.0907	-.0038	.0003	.0003	.0243
109	LC-47121	.0139	11.29	.0095	15.96	-.0000	9.700
110	MB-47121	-.0006	.0309	-.0004	.0082	-.0000	.7003
111	0406C87-001A	.0056	5.065	-.0032	.3900	-.0000	148.0
112	0406C87-002A	.0001	7.736	-.0031	.5505	.0000	255.3
113	0406C87-003A	.0007	19.33	-.0002	.2500	.0001	191.1
114	0406C87-004A	.0002	8.775	-.0028	.1288	-.0000	75.22
115	0406C87-005A	-.0010	11.91	-.0039	.0217	-.0001	83.02
116	0406C87-006A	-.0004	12.15	.0036	.0430	-.0001	128.6
117	LCS-47099	.1013	9.810	1.019	.9962	1.017	10.11
118	MB-47099	-.0009	-.1029	-.0047	.0005	.0002	.0316
119	CCV2	.2076	20.09	2.017	1.970	1.985	19.57
120	CCB2	-.0015	-.1039	-.0021	.0007	.0007	.0114
121	0406C18-002ADUP	-.0011	1.686	.1729	.0372	.0002	13.04
122	0406C18-002A~~DUP~~MS	.0991	11.39	1.182	1.010	1.015	22.92
123	0406C18-~~002AMS~~ 001A	-.0010	12.49	.5862	.1309	.0006	22.43
124	0406C18-~~001A~~ 003A	-.0013	13.59	.6817	.1295	.0002	25.50
125	0406C18-~~003A~~ 004A	-.0018	34.15	.0919	.1206	.0011	8.888
126	0406C18-~~004A~~ 002A	-.0011	1.788	.1704	.0371	.0000	12.96
127	0406866-001A	.0046	19.25	.0074	.1187	.0005	27.24
128	0406C39-027A	-.0005	4.530	.0024	.0665	.0001	3.704
129	0406C39-028A	-.0005	6.051	-.0047	.0639	.0000	3.077
130	0406C39-029A	-.0011	11.75	-.0028	.1651	.0008	33.97
131	CCV	.1019	9.977	.9911	.9950	.9912	9.868
132	CCB	-.0010	-.0858	-.0053	.0003	.0003	.0083
133	0406C39-030A	-.0009	7.560	-.0012	.0639	.0003	14.52
134	0406C39-031A	-.0013	10.28	-.0049	.1638	.0007	34.05
135	0406C39-032A	-.0014	.2773	-.0011	.0923	-.0001	106.7
136	0406C39-033A	-.0005	3.137	-.0015	.1007	.0001	104.4
137	0406896-001A	-.0001	-.1099	-.0013	.1400	-.0002	10.66
138	0406C18-001B	-.0006	-.0064	.1504	.0156	-.0003	19.85
139	0406C18-002B	-.0008	.2804	.1513	.0331	-.0003	13.86
140	0406C18-003B	-.0018	-.0200	.1672	.0124	-.0004	22.61
141	0406C18-004B	-.0006	.0884	.0314	.0168	-.0003	5.957
142	0406C39-034A	-.0016	4.137	-.0068	.1866	.0001	78.79
143	CCV1	.1047	10.15	1.014	1.010	1.008	10.08
144	CCB1	-.0015	-.0996	-.0020	.0003	.0002	.0160
145	0406C18-002ADL	-.0015	.2657	.0319	.0076	.0000	2.651
146	0406C18-002APDS	.1039	11.03	1.098	1.029	1.016	16.30
147	ICSA	-.0008	256.3	-.0074	.0003	.0001	217.1
148	ICSAB	.0506	257.5	.4836	.4643	.4792	217.9
149	CCV2	.2038	19.93	2.004	1.955	1.976	19.58
150	CCB2	-.0007	-.0768	-.0017	.0008	.0007	.0321

6 X-DUPS CDW 6-28-4

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
1	STD1-BLANK	.01899	0	.14749	.06399	.02099	34.5603
2	ICAL	45.9547	4.46377	24.6008	21.1489	16.5212	87.1776
3	ICAL2	91.5319	8.87705	48.892	42.1989	32.8969	146.829
4	CKSTD	.9830	.9801	.9832	.9888	9.850	10.28
5	ICV	.5032	.5032	.5028	.5062	5.030	4.788
6	ICB	.0005	.0001	.0000	.0002	-.0051	-.0358
7	CRI	.0103	.0097	.0106	.0126	.0951	.0290

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
8	CRI2	.1023	.1008	.1026	.1052	1.022	.7415
9	ICSA	.0011	.0017	-.0012	.0001	90.69	-.1807
10	ICSAB	.4545	.4485	.4573	.4836	95.22	Q6.654
11	CCV	.9835	.9835	.9856	.9899	9.949	10.39
12	CCB	.0005	-.0002	.0002	.0006	.0080	-.0055
13	LCS-46946	.0001	-.0001	-.0027	-.0012	-.0010	.3939
14	LCS-46946	1.048	1.025	1.032	1.027	10.48	10.71
15	0406174-028C	.0004	.0003	-.0000	.0021	.0212	1.759
16	0406174-029C	.0002	-.0002	.0010	.0050	.0218	.0810
17	0406174-030C	.0001	.0003	.0008	.0048	.0083	.2253
18	ICSA	.0006	.0010	-.0019	-.0010	91.81	-.2086
19	ICSAB	.4633	.4551	.4643	.4916	96.90	Q6.648
20	CCV1	1.002	.9945	.9990	1.000	10.11	10.51
21	CCB1	.0004	-.0001	.0001	-.0003	.0041	.0013
22	LCS-47050	1.041	1.018	1.037	1.031	10.46	10.38
23	MB-47050	.0003	-.0003	.0039	-.0001	.0104	.0940
24	0406B33-003B	.0028	.0111	.2628	.3381	22.32	5.839
25	0406B33-003BDUP	.0016	.0101	.1042	.2659	17.44	4.645
26	0406B33-003BMS	.9424	.9200	1.091	2.288	50.30	20.61
27	0406C14-001C	.0005	.0002	.0051	.0846	.2993	2.773
28	0406C14-002C	.0019	.0018	.0230	.1172	22.96	15.25
29	0406C14-003C	.0002	.0003	.0161	.0408	3.848	5.842
30	0406B33-003BDL	.0003	.0022	.0542	.0687	4.619	1.166
31	0406B33-003BPDS	4.592	4.562	4.769	4.873	59.04	57.45
32	ICSA	.0020	.0024	-.0002	.0012	93.19	-.1797
33	ICSAB	.4629	.4532	.4619	.4873	96.68	Q6.650
34	CCV2	1.978	1.960	1.969	1.980	19.93	Q22.18
35	CCB2	.0011	.0004	.0005	.0005	.0022	.0253
36	CCV	1.016	1.005	1.008	1.012	10.17	10.53
37	CCB	.0006	.0001	.0002	-.0007	-.0010	.0128
38	LCS-47097	1.032	.9942	1.002	1.005	10.19	15.64
39	MB-47097	.0006	-.0003	.0012	.0065	.0022	.4183
40	0406C40-003A	.0002	.0014	.0017	.0081	.4610	2.033
41	0406C40-003ADUP	-.0001	.0019	.0015	.0085	.4990	2.112
42	0406C40-003AMS	1.016	.9894	.9946	.9973	10.51	15.94
43	0406B27-001A	.0004	.0008	.0018	.0102	.0146	.6198
44	0406C46-013A	.0023	.0008	.0006	.0077	.0358	1.484
45	0406C40-003ADL	-.0002	-.0002	.0001	.0017	.0969	.4366
46	0406C40-003APDS	1.010	.9968	.9997	1.007	10.27	14.02
47	CCV	1.023	1.016	1.018	1.026	10.24	10.39
48	CCB	.0003	-.0003	.0003	-.0003	-.0104	-.0021
49	LCS-47096	1.027	1.013	1.033	1.040	10.35	9.874
50	MB-47096	.0009	-.0003	.0076	.0001	.0151	.0488
51	0406C46-001A	.0040	.0240	.2268	.1506	393.1	11.59
52	0406C46-001ADUP	.0037	.0223	.2125	.1457	380.9	10.45
53	0406C46-001AMS	.9867	.9883	1.201	1.157	387.4	22.73
54	0406C46-002A	.0034	.0241	.2045	.1033	300.1	10.11
55	0406C46-003A	.0036	.0392	.1868	.1052	281.3	10.37
56	0406C46-004A	.0032	.0241	.1862	.1155	290.4	9.370
57	0406C46-005A	.0036	.0193	.2012	.1321	325.6	9.024
58	0406C46-006A	.0032	.1006	.1848	.0994	261.7	10.36
59	CCV1	1.029	1.032	1.031	1.044	10.53	10.49
60	CCB1	.0003	-.0005	-.0003	-.0006	.0151	-.0873
61	0406C46-007A	.0017	.0706	.1911	.0721	140.3	6.806

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
62	0406C46-008A	.0021	.0843	.1462	.0778	186.7	8.728
63	0406C46-009A	.0013	.0360	.0721	.0484	88.30	4.333
64	0406C46-010A	.0013	.0495	.0936	.0626	104.3	6.268
65	0406C46-011A	.0031	.0284	.1869	.1024	282.1	9.706
66	0406C46-012A	.0039	.0366	.2433	.1202	346.2	9.135
67	0406C46-001ADL	.0009	.0044	.0481	.0317	84.66	2.145
68	0406C46-001APDS	4.521	4.572	4.706	4.880	239.7	61.30
69	ICSA	.0024	.0029	-.0001	.0016	92.99	-.2143
70	ICSAB	.4598	.4550	.4607	.4879	96.36	Q6.630
71	CCV2	1.969	1.973	1.969	1.989	19.94	21.96
72	CCB2	.0013	.0007	.0008	.0016	.0156	-.0730
73	LCS-47093	1.068	.0262	4.539	.2422	12.57	.9079
74	MB-47093	.0005	-.0007	.0146	.0129	.0781	.2694
75	0406C51-003A	.0037	.1934	.1363	.0201	1.974	5.062
76	0406C51-003CDUP	.0041	.2032	.1421	.0197	1.915	5.652
77	0406C51-003CMS	.0035	.1846	.1423	.0248	1.909	6.053
78	0406C51-001A	.0005	.0454	.0136	.0157	.6157	.4360
79	0406C51-002A	.0018	.1143	.0555	.1185	11.26	2.613
80	0406C51-004A	.0071	.1058	.0167	.1437	.7897	2.224
81	0406C51-005A	.0009	.3625	.0415	.0240	7.107	32.94
82	0406C51-006A	.0011	.6541	13.05	.0579	46.85	11.16
83	CCV1	1.009	1.009	1.005	1.003	10.09	10.46
84	CCB1	.0004	.0002	.0012	-.0005	.0084	-.0013
85	0406C02-001A	.0011	.2720	.0224	.0490	.9893	1.141
86	0406C51-007A	.0015	.2687	.0219	.0579	1.008	1.193
87	0406C02-001A	.0003	.1792	.0182	.0193	3.269	1.864
88	0406C25-001A	.0021	.3246	.9115	.2044	12.10	2.119
89	0406C35-002A	.0938	.1439	.0416	.0612	67.36	1.130
90	ICSA	-.0027	.0009	-.0010	-.0001	Q47.12	-.3602
91	ICSAB	.4588	.4525	.4595	.4883	96.19	Q6.609
92	CCV2	1.998	1.992	1.994	2.012	20.15	Q22.24
93	CCB2	.0013	.0008	.0005	.0013	.0110	-.0614
94	LCS-47097	.0000	-.0006	-.0026	-.0012	.0013	.5448
95	MB-47097	.0002	-.0003	-.0028	-.0010	.0012	.5771
96	LCS-47098	1.025	1.003	1.007	1.011	10.23	10.46
97	MB-47098	.0004	.0001	.0004	-.0010	.0056	.0028
98	0406C37-006C	.0000	.0073	.0015	.0053	.0315	1.046
99	0406C37-006CDUP	.0001	.0080	.0009	.0050	.0074	1.042
100	0406C37-006CMS	1.028	1.015	1.012	1.018	10.28	11.93
101	0406B71-001E	.0005	.0000	.0013	.0177	1.870	2.759
102	0406C17-001A	.0003	.0007	.0035	.1351	.7902	6.316
103	0406C37-006CDL	-.0000	.0012	-.0001	.0009	.0132	.2850
104	0406C37-006CPDS	1.018	1.018	1.013	1.020	10.20	11.39
105	ICSA	.0011	.0022	-.0008	.0004	91.60	-.2394
106	ICSAB	.4563	.4496	.4560	.4803	95.24	Q6.540
107	CCV1	1.006	1.001	.9990	1.002	10.11	10.35
108	CCB1	.0003	-.0006	-.0004	-.0011	.0001	-.0193
109	LC-47121	1.166	.0279	4.791	.2273	12.64	.6686
110	MB-47121	.0006	-.0003	.0091	.0098	.0408	.1749
111	0406C87-001A	.0024	.0514	.0579	.1129	8.554	2.965
112	0406C87-002A	.0047	.1188	.2495	.2620	17.72	4.278
113	0406C87-003A	.0159	.0393	.0405	.1823	4.879	8.429
114	0406C87-004A	.0050	.0074	.0297	.1167	5.088	3.228
115	0406C87-005A	.0104	.0160	.0148	.0896	.9581	3.170

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
116	0406C87-006A	.0130	.0186	.0193	.1236	1.628	2.740
117	LCS-47099	1.040	1.020	1.022	1.021	10.38	10.53
118	MB-47099	.0004	.0004	.0008	-.0006	-.0017	-.0952
119	CCV2	2.005	1.988	1.986	1.993	20.05	Q22.29
120	CCB2	.0007	.0000	.0003	.0001	-.0035	-.0153
121	0406C18-002A DUP	.0004	.0016	.0227	.0830	1.581	5.803
122	0406C18-002ADUPMS	1.028	1.009	1.029	1.081	11.88	17.41
123	0406C18-002AMS 1A	.0008	.0047	.8958	.4224	15.78	14.43
124	0406C18-001A 3A	.0004	.0040	1.111	.4878	17.51	16.11
125	0406C18-003A 4A	.0001	.0132	.0550	.0821	33.72	5.349
126	0406C18-004A 2A	.0001	.0011	.0225	.0821	1.593	5.720
127	0406866-001A	.0007	.0069	.0380	.4943	20.97	32.51
128	0406C39-027A	.0000	.0027	.0058	.0167	6.851	2.797
129	0406C39-028A	-.0000	.0017	.0040	.0015	5.722	2.541
130	0406C39-029A	-.0001	.0047	.0068	.0087	6.579	12.55
131	CCV	1.002	.9918	.9924	.9915	10.00	10.38
132	CCB	.0002	.0004	-.0000	-.0005	-.0013	.0474
133	0406C39-030A	.0001	.0008	.0041	.0050	3.000	8.316
134	0406C39-031A	.0000	.0037	.0058	.0080	6.304	12.42
135	0406C39-032A	.0001	.0024	.0019	.0064	.4357	14.15
136	0406C39-033A	.0006	.0015	.0036	.0089	2.208	12.89
137	0406896-001A	.0002	.0485	.0037	-.0006	3.917	2.590
138	0406C18-001B	-.0001	.0012	.0264	.0744	.2379	10.07
139	0406C18-002B	-.0000	.0007	.0131	.0747	.6922	7.101
140	0406C18-003B	-.0001	.0008	.0274	.0838	.2352	11.41
141	0406C18-004B	-.0002	.0034	.0009	.0086	.1666	3.197
142	0406C39-034A	-.0001	.0032	.0037	.0150	6.931	14.87
143	CCV1	1.020	1.005	1.009	1.007	10.19	10.53
144	CCB1	.0003	.0000	-.0001	-.0013	-.0025	-.0132
145	0406C18-002ADL	.0001	-.0005	.0039	.0164	.3133	.9361
146	0406C18-002APDS	1.016	1.009	1.021	1.051	10.93	13.87
147	ICSA	.0007	.0019	-.0015	-.0003	93.01	-.1830
148	ICSAB	.4640	.4541	.4611	.4833	96.59	Q6.709
149	CCV2	1.990	1.971	1.970	1.967	19.96	Q22.15
150	CCB2	.0008	.0004	.0006	.0010	.0129	.0569

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
1	STD1-BLANK	.04249	.00949	.05849	-.00399	.20898	-.02649
2	ICAL	31.4904	19.73	1.72791	18.0061	20.2915	22.1234
3	ICAL2	62.2894	39.1215	3.63481	35.6402	40.5565	43.6968
4	CKSTD	9.821	.9806	10.43	.9808	.9863	.9859
5	ICV	Q5.032	.5041	4.941	.5043	.5024	.4987
6	ICB	.0035	.0003	-.1034	.0049	-.0010	.0013
7	CRI	.1043	.0113	.0245	.0089	.0114	.0094
8	CRI2	1.027	.1040	.7811	.1018	.1038	.1024
9	ICSA	234.6	.0038	-.0712	.0002	-.0768	.0350
10	ICSAB	238.3	.4633	5.323	.4445	.3784	.4886
11	CCV	9.907	.9826	10.49	.9823	.9823	.9777
12	CCB	.0229	.0006	-.1237	.0109	.0003	-.0010
13	LCS-46946	-.0040	-.0002	-.1391	-.0015	.0039	.0023
14	LCS-46946	10.41	1.023	11.07	1.031	1.023	1.011
15	0406174-028C	1.110	.0039	84.33	-.0006	-.0001	.0017

6 X-outs CAW 6-28-4

CAW 6-28-4

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
16	0406174-029C	1.113	.0017	1.770	.0015	-.0037	.0014
17	0406174-030C	.8138	.0012	1.694	-.0008	.0009	.0013
18	ICSA	237.1	.0035	-.1971	.0010	-.0785	.0350
19	ICSAB	241.6	.4711	5.192	.4516	.3746	.4927
20	CCV1	10.08	.9966	10.71	.9959	1.004	1.003
21	CCB1	.0270	.0006	-.1621	.0001	-.0016	.0018
22	LCS-47050	10.28	1.024	11.28	1.024	1.005	1.001
23	MB-47050	.0111	.0007	.4029	-.0019	-.0012	.0022
24	0406B33-003B	9.160	2.507	9.358	.3218	.7175	.7301
25	0406B33-003BDUP	6.393	.6287	8.598	.2316	.6118	.6305
26	0406B33-003BMS	28.71	2.384	21.35	1.210	1.614	1.635
27	0406C14-001C	.2732	.0288	21.08	.0040	.0353	.0397
28	0406C14-002C	.6436	.2173	185.7	.0133	.0101	.0147
29	0406C14-003C	.1298	.0391	69.69	.0220	.0086	.0064
30	0406B33-003BDL	1.960	.5238	2.410	.0756	.1492	.1525
31	0406B33-003BPDS	51.54	6.067	63.49	4.702	4.942	4.914
32	ICSA	240.5	.0055	-.1495	.0019	-.0762	.0391
33	ICSAB	240.9	.4690	5.308	.4492	.3833	.4910
34	CCV2	19.75	1.955	Q22.11	1.956	1.968	1.954
35	CCB2	.0024	.0011	.0047	.0189	.0016	-.0011
36	CCV	10.09	1.005	10.52	1.007	1.003	1.005
37	CCB	.0030	.0002	.0235	.0008	.0000	-.0020
38	LCS-47097	9.844	.9880	298.6	1.004	.9945	.9958
39	MB-47097	.0802	.0011	260.4	-.0008	.0016	.0028
40	0406C40-003A	3.121	.1892	177.5	.0013	-.0014	.0005
41	0406C40-003ADUP	3.445	.2105	197.7	.0012	.0000	.0010
42	0406C40-003AMS	12.85	1.171	191.5	.9967	.9815	.9877
43	0406827-001A	.1594	.0020	306.9	.0007	-.0016	.0019
44	0406C46-013A	1.187	.2214	295.4	.0006	.0192	.0160
45	0406C40-003ADL	.6705	.0399	33.08	.0090	-.0020	.0014
46	0406C40-003APDS	11.43	1.087	100.7	.9986	1.003	1.001
47	CCV	10.13	1.016	10.43	1.017	.9980	1.014
48	CCB	-.0003	.0004	-.1352	.0009	.0001	-.0006
49	LCS-47096	10.08	1.017	11.22	1.015	.9948	.9950
50	MB-47096	.0151	.0010	.5598	-.0011	.0023	.0008
51	0406C46-001A	7.392	.6569	7.258	.0676	.2205	.3697
52	0406C46-001ADUP	6.522	.7839	8.722	.0607	.2275	.3601
53	0406C46-001AMS	16.06	1.629	19.63	1.029	1.164	1.299
54	0406C46-002A	6.828	.6555	7.205	.0624	.1104	.2498
55	0406C46-003A	7.908	1.531	10.00	.0622	.7763	.9042
56	0406C46-004A 4A	6.165	.5468	8.696	.0573	.1726	.3139
57	0406C46-005A	5.516	.5445	9.492	.0455	.1886	.3045
58	0406C46-006A	7.654	8.175	8.627	.0623	1.235	1.368
59	CCV1	10.21	1.027	10.83	1.032	1.029	1.027
60	CCB1	.0030	.0007	-.1853	-.0003	-.0016	-.0025
61	0406C46-007A	4.992	6.391	9.027	.0334	2.667	2.761
62	0406C46-008A	7.160	5.912	8.459	.0546	1.278	1.392
63	0406C46-009A	3.366	2.945	6.155	.0179	.2348	.2960
64	0406C46-010A	5.184	5.068	8.096	.0282	.2106	.2947
65	0406C46-011A	7.612	1.079	7.463	.0606	.2568	.3980
66	0406C46-012A	7.033	2.882	7.711	.0575	.5561	.6876
67	0406C46-001ADL	1.676	.1437	2.221	.0228	.0416	.0849
68	0406C46-001APDS	48.77	4.836	61.88	4.561	4.618	4.727
69	ICSA	238.1	.0052	-.1124	.0017	-.0756	.0388

CAW 6-28-4 CAW 6-28-4

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
70	ICSAB	238.8	.4659	5.392	.4509	.3818	.4968
71	CCV2	19.58	1.953	Q22.08	1.963	1.970	1.969
72	CCB2	.0394	.0014	.0348	.0195	.0009	-.0002
73	LCS-47093	2.253	.2378	11.21	.0374	14.63	14.49
74	MB-47093	.0659	.0040	8.926	-.0018	.0109	.0086
75	0406C51-003A	10.88	.1653	11.32	.0064	.5073	.5067
76	0406C51-003CDUP	10.39	.1514	10.32	.0068	.5235	.5178
77	0406C51-003CMS	10.80	.1535	11.85	.0082	9.826	9.813
78	0406C51-001A	1.248	.0235	8.503	.0001	.0149	.0221
79	0406C51-002A	4.305	.1242	10.82	.0222	.0951	.0990
80	0406C51-004A	9.743	.1398	8.365	.0032	.0291	.0299
81	0406C51-005A	2.049	.0377	30.21	.0037	.0753	.0741
82	0406C51-006A	2.228	.1921	16.25	.0253	56.90	56.93
83	CCV1	9.981	1.001	10.50	1.007	1.022	1.023
84	CCB1	.0071	.0004	-.0962	.0007	.0017	.0054
85	0406C02-001A	2.797	.0387	9.403	.0045	.0784	.0834
86	0406C51-007A	2.793	.0433	12.89	.0074	.0722	.0804
87	0406C02-001A	6.322	.1068	34.88	.0002	.0108	.0117
88	0406C25-001A	9.725	.2761	12.22	.0172	4.769	4.755
89	0406C35-002A	7.529	.2487	10.69	.0102	9.579	9.525
90	ICSA	Q120.6	.0021	-1.554	.0002	-.1486	.0984
91	ICSAB	238.2	.4675	5.346	.4490	.3750	.4913
92	CCV2	19.83	1.982	Q22.19	1.990	1.968	1.984
93	CCB2	.0376	.0015	-.1325	.0192	.0025	.0007
~~94~~	~~LCS-47097~~	~~.0031~~	~~.0001~~	~~-.1377~~	~~.0013~~	~~.0046~~	~~.0013~~
95	MB-47097	-.0020	-.0002	-.1917	-.0010	-.0051	.0025
96	LCS-47098	10.05	1.002	11.41	1.010	.9956	.9929
97	MB-47098	.0082	.0004	.4599	-.0008	-.0015	.0004
98	0406C37-006C	1.155	.1935	3.336	.0118	.0030	.0032
99	0406C37-006CDUP	1.125	.1877	3.449	.0113	-.0004	.0023
100	0406C37-006CMS	11.23	1.191	14.59	1.025	.9887	.9876
101	0406871-001E	1.336	.0392	7.893	.0008	-.0014	.0015
102	0406C17-001A	2.467	.1001	46.61	.0003	.0001	.0040
103	0406C37-006CDL	.2429	.0394	1.192	.0113	.0014	-.0014
104	0406C37-006CPDS	10.61	1.106	13.13	1.017	1.001	1.004
105	ICSA	235.0	.0042	-.0080	.0013	-.0791	.0389
106	ICSAB	235.9	.4633	5.288	.4438	.3707	.4858
107	CCV1	9.976	.9992	10.62	1.000	1.003	.9963
108	CCB1	.0163	.0002	-.1126	-.0002	.0016	-.0001
109	LC-47121	1.724	.2173	9.207	.0344	14.99	15.08
110	MB-47121	.0394	.0030	4.509	-.0009	.0051	.0070
111	0406C87-001A	4.103	.2132	11.69	.0139	.5870	.5921
112	0406C87-002A	6.466	.2175	14.14	.0229	1.709	1.698
113	0406C87-003A	3.987	.1802	21.76	.1910	7.325	7.293
114	0406C87-004A	1.828	.1404	11.08	.0745	.2148	.2205
115	0406C87-005A	1.673	.0318	13.45	.0139	.0285	.0405
116	0406C87-006A	2.128	.0709	14.31	.0055	.1008	.1068
117	LCS-47099	10.21	1.016	10.83	1.025	1.010	1.008
118	MB-47099	.0034	.0004	.0822	-.0004	-.0033	.0008
119	CCV2	19.82	1.976	Q22.19	1.982	1.968	1.995
120	CCB2	.0040	.0007	-.2179	.0089	-.0033	.0023
121	0406C18-002A	2.471	.1829	9.819	.0006	.0004	.0019
122	0406C18-002ADUP	12.59	1.186	21.69	1.011	.9900	.9917
123	0406C18-002AMS	5.102	.4802	22.06	.0090	.0071	.0161

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
124	0406C18-~~001A~~	5.323	.4845	25.85	.0081	.0099	.0159
125	0406C18-~~003A~~	3.199	.4598	20.79	.0118	.0089	.0312
126	0406C18-~~004A~~	2.452	.1822	9.695	.0009	-.0010	.0014
127	0406B66-001A	3.290	.3860	17.67	.0309	.0538	.0582
128	0406C39-027A	1.513	.3692	12.31	.0021	.0019	.0051
129	0406C39-028A	1.459	.3291	7.091	.0010	.0062	.0026
130	0406C39-029A	9.695	.4108	15.93	.0073	-.0033	.0080
131	CCV	9.889	.9922	10.32	.9921	.9853	.9802
132	CCB	.0041	.0004	-.1320	.0009	-.0018	.0003
133	0406C39-030A	3.275	.0634	5.359	.0009	.0002	.0036
134	0406C39-031A	9.665	.4100	15.80	.0067	-.0012	.0067
135	0406C39-032A	10.56	.6592	14.44	.0013	-.0009	.0009
136	0406C39-033A	11.13	.2199	12.03	.0021	-.0010	.0012
137	0406896-001A	9.083	31.91	8.807	-.0019	.0012	.0058
138	0406C18-001B	2.135	.2360	11.54	.0022	-.0032	.0000
139	0406C18-002B	2.603	.1919	10.65	.0012	.0022	-.0013
140	0406C18-003B	2.150	.2041	14.53	.0020	-.0064	.0026
141	0406C18-004B	1.609	.2034	6.475	.0017	-.0030	-.0005
142	0406C39-034A	18.35	1.134	18.36	.0031	-.0021	.0029
143	CCV1	10.14	1.003	10.66	1.006	1.009	1.003
144	CCB1	.0071	.0005	-.2578	.0002	-.0021	.0009
145	0406C18-002ADL	.4998	.0368	1.599	.0078	-.0010	.0001
146	0406C18-002APDS	11.27	1.096	15.79	1.008	.9988	.9995
147	ICSA	240.5	.0039	-.1754	.0012	-.0734	.0372
148	ICSAB	241.7	.4660	5.335	.4477	.3846	.4925
149	CCV2	19.79	1.955	21.86	1.955	1.976	1.951
150	CCB2	.0259	.0008	-.0208	.0095	-.0011	.0007

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
1	STD1-BLANK	.04149	-.24298	.04999	-.03949	.01599	.01199
2	ICAL	5.9882	25.4817	15.7412	2.92385	5.43772	14.9367
3	ICAL2	12.0414	51.7409	31.4509	6.04519	10.8469	29.935
4	CKSTD	.9896	.9870	.9972	.9973	.9871	.9872
5	ICV	.5021	.5045	.5088	.5094	.5026	.5013
6	ICB	-.0021	.0016	.0023	.0044	.0067	.0004
7	CRI	.0101	.0129	.0111	.0090	.0108	.0097
8	CRI2	.1018	.1019	.1010	.1001	.1035	.1010
9	ICSA	-.0016	-.0031	-.0048	.0046	.0068	.0001
10	ICSAB	.4713	.4829	.4830	.4751	.4607	.4665
11	CCV	.9905	.9868	.9868	.9979	.9883	.9893
12	CCB	.0003	.0004	-.0015	.0010	.0147	.0001
~~13~~	~~LCS-46946~~	~~-.0015~~	~~-.0035~~	~~.0020~~	~~.0031~~	~~-.0013~~	~~-.0001~~
14	LCS-46946	1.034	1.046	1.025	1.054	1.042	1.058
15	0406174-028C	-.0034	-.0010	.0030	.0010	.0282	.0001
16	0406174-029C	-.0027	.0002	.0073	-.0003	.0210	.0046
17	0406174-030C	-.0002	.0037	.0011	-.0037	.0028	.0011
18	ICSA	-.0031	-.0073	-.0044	.0080	.0064	-.0007
19	ICSAB	.4802	.4872	.4843	.4867	.4704	.4746
20	CCV1	1.016	1.027	1.019	1.023	1.012	1.006
21	CCB1	-.0015	-.0019	.0040	.0014	.0002	.0003
22	LCS-47050	1.013	.9906	.9969	1.047	1.038	1.065
23	MB-47050	-.0012	-.0061	.0054	-.0038	-.0003	.0002

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
24	0406B33-003B	.0057	-.0058	-.0003	-.0015	2.158	.2008
25	0406B33-003BDUP	.0221	-.0071	.0030	.0007	1.763	.1684
26	0406B33-003BMS	.9598	.9035	.9097	.9638	5.434	1.173
27	0406C14-001C	-.0021	-.0034	.0057	.0012	.0201	.0013
28	0406C14-002C	.0006	-.0070	.0042	.0005	.0750	.0143
29	0406C14-003C	-.0001	-.0060	.0010	.0004	.0387	-.0004
30	0406B33-003BDL	-.0016	-.0077	.0022	-.0029	.4613	.0410
31	0406B33-003BPDS	4.862	4.769	4.756	4.784	5.771	4.835
32	ICSA	-.0041	-.0073	-.0049	.0095	.0082	.0012
33	ICSAB	.4812	.4903	.4898	.4885	.4705	.4742
34	CCV2	1.993	2.043	2.012	2.033	2.000	1.996
35	CCB2	-.0000	-.0014	-.0008	.0023	.0171	.0005
36	CCV	1.024	1.018	1.024	1.039	1.023	1.017
37	CCB	-.0001	.0097	.0011	.0001	.0016	.0004
38	LCS-47097	1.031	1.066	1.069	1.049	1.052	1.042
39	MB-47097	.0033	.0056	.0018	.0028	.0048	.0004
40	0406C40-003A	-.0011	.0011	.0030	.0031	.0621	.0004
41	0406C40-003ADUP	-.0032	.0012	.0042	-.0034	.0678	.0001
42	0406C40-003AMS	1.018	1.032	1.040	1.025	1.083	1.033
43	0406B27-001A	.0005	.0016	.0035	.0019	.0121	.0118
44	0406C46-013A	.0007	.0017	.0039	-.0044	.0506	.0003
45	0406C40-003ADL	-.0024	-.0027	.0011	-.0028	.0245	-.0000
46	0406C40-003APDS	1.013	1.051	1.037	1.029	1.052	1.012
47	CCV	1.023	1.013	1.032	1.030	1.024	1.024
48	CCB	.0013	.0036	.0047	.0020	.0016	-.0001
49	LCS-47096	.9859	.9713	.9724	1.023	1.015	1.061
50	MB-47096	.0042	-.0030	.0031	-.0010	.0005	.0005
51	0406C46-001A	-.0001	-.0162	-.0056	.0323	.2349	.5795
52	0406C46-001ADUP	-.0053	-.0144	-.0049	.0171	.2103	.5523
53	0406C46-001AMS	.6641	.9036	.9187	1.006	1.185	1.548
54	0406C46-002A	-.0032	-.0140	-.0041	.0185	.2079	.4675
55	0406C46-003A	-.0017	-.0222	-.0025	.0181	.2848	.4528
56	0406C46-004A	-.0019	-.0239	.0071	.0181	.1892	.4650
57	0406C46-005A	.0001	-.0079	.0017	.0246	.1742	.5067
58	0406C46-006A	-.0008	-.0194	-.0041	.0194	.3759	.4331
59	CCV1	1.041	1.038	1.041	1.038	1.026	1.036
60	CCB1	-.0004	.0008	.0058	-.0016	.0004	-.0002
61	0406C46-007A	.0047	-.0174	.0051	.0116	.2949	.2441
62	0406C46-008A	-.0052	-.0246	.0001	.0171	.3118	.3127
63	0406C46-009A	-.0015	-.0184	.0067	.0016	.1344	.1510
64	0406C46-010A	-.0012	-.0185	.0065	.0071	.2380	.1806
65	0406C46-011A	-.0055	-.0116	.0042	.0168	.2602	.4486
66	0406C46-012A	-.0056	-.0182	-.0014	.0139	.2431	.5258
67	0406C46-001ADL	-.0021	-.0048	.0004	.0045	.0623	.1225
68	0406C46-001APDS	4.783	4.685	4.704	4.700	4.688	4.954
69	ICSA	-.0005	.0007	-.0039	.0075	.0077	.0013
70	ICSAB	.4761	.4797	.4858	.4841	.4638	.4709
71	CCV2	1.985	2.011	1.996	2.005	1.969	1.992
72	CCB2	.0005	.0045	.0013	.0011	.0171	.0009
73	LCS-47093	.1120	-.0035	.0095	-.0005	11.72	.0018
74	MB-47093	-.0002	-.0093	.0034	-.0038	.0504	.0000
75	0406C51-003A	.0016	-.0030	.0001	-.0006	3.170	.0036
76	0406C51-003CDUP	.0005	.0028	.0023	-.0038	3.044	.0033
77	0406C51-003CMS	.0008	-.0048	.0017	-.0037	3.004	.0040

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
78	0406C51-001A	-.0022	-.0067	.0075	-.0043	.3515	.0010
79	0406C51-002A	-.0001	-.0065	.0033	-.0072	2.560	.0057
80	0406C51-004A	-.0030	-.0049	.0021	-.0067	10.28	-.0003
81	0406C51-005A	-.0002	-.0080	.0051	-.0007	1.144	-.0002
82	0406C51-006A	.8012	-.0070	.0064	.0008	.1688	.0042
83	CCV1	1.013	1.005	.9962	1.009	1.005	1.007
84	CCB1	-.0007	-.0004	.0061	-.0001	.0003	.0004
85	0406C02-001A	-.0020	-.0051	.0041	-.0039	3.449	.0003
86	0406C51-007A	-.0023	-.0091	.0093	.0004	3.457	.0002
87	0406C02-001A	-.0015	-.0069	-.0001	-.0034	1.592	.0093
88	0406C25-001A	.0800	-.0043	.0080	-.0040	11.81	.0032
89	0406C35-002A	.0497	-.0068	.0010	.0045	46.08	.0079
90	ICSA	-.1150	-.1710	.0963	.0069	.0118	.0005
91	ICSAB	.4755	.4804	.4812	.4797	.4670	.4724
92	CCV2	2.012	2.030	2.023	2.026	1.992	2.022
93	CCB2	-.0010	.0055	.0001	.0029	.0177	.0005
94	LCS-47097	-.0028	.0063	.0046	.0014	-.0011	-.0002
95	MB-47097	-.0052	-.0048	.0046	.0063	-.0012	.0001
96	LCS-47098	1.017	1.017	1.012	1.013	.9982	1.035
97	MB-47098	.0003	-.0013	.0030	.0020	.0002	.0002
98	0406C37-006C	-.0024	-.0019	.0021	-.0007	.0608	-.0006
99	0406C37-006CDUP	.0007	.0030	-.0011	-.0010	.0425	-.0001
100	0406C37-006CMS	1.020	1.004	1.004	1.012	1.048	1.040
101	0406B71-001E	.0008	.0025	.0031	.0000	.1181	-.0001
102	0406C17-001A	-.0008	.0005	.0065	-.0005	.1941	-.0008
103	0406C37-006CDL	-.0030	.0011	.0051	-.0002	.0204	-.0001
104	0406C37-006CPDS	1.015	1.021	1.015	1.023	1.027	1.019
105	ICSA	-.0047	-.0090	-.0007	.0157	.0105	.0006
106	ICSAB	.4715	.4775	.4771	.4755	.4556	.4676
107	CCV1	1.017	1.019	1.003	1.002	.9950	1.005
108	CCB1	-.0005	-.0003	.0014	.0015	.0008	-.0003
109	LC-47121	.0829	.0034	.0051	.0013	12.00	.0011
110	MB-47121	-.0009	-.0042	.0013	.0010	.0097	.0001
111	0406C87-001A	-.0011	-.0009	.0022	-.0009	2.054	.0101
112	0406C87-002A	-.0009	.0045	.0009	.0044	2.769	.0154
113	0406C87-003A	-.0006	.0005	.0033	-.0003	40.76	.0071
114	0406C87-004A	-.0004	-.0043	.0035	.0014	9.432	.0057
115	0406C87-005A	.0012	-.0051	.0062	-.0023	24.34	.0026
116	0406C87-006A	-.0010	-.0008	.0032	-.0038	13.53	.0019
117	LCS-47099	1.026	1.022	1.019	1.026	1.033	1.050
118	MB-47099	-.0008	.0009	.0063	.0021	.0024	.0004
119	CCV2	2.018	2.036	2.051	2.028	2.004	2.012
120	CCB2	-.0035	-.0026	.0049	.0029	.0123	.0003
121	0406C18-002A	.0031	.0013	.0035	-.0001	.0902	.0018
122	0406C18-002ADUP	1.021	1.014	1.003	1.018	1.105	1.042
123	0406C18-002AMS	.0170	.0017	.0041	.0006	.3515	.0219
124	0406C18-003A	.0112	.0007	.0036	.0007	.3325	.0226
125	0406C18-004A	-.0024	.0018	.0057	.0039	.0777	.0729
126	0406C18-005A	.0007	.0011	.0039	-.0010	.0897	.0016
127	0406B66-001A	-.0003	.0423	.0417	.0001	.2663	.0421
128	0406C39-027A	-.0038	-.0010	.0002	-.0003	.0222	.0108
129	0406C39-028A	-.0016	.0070	.0002	-.0034	.0079	.0084
130	0406C39-029A	-.0034	-.0032	.0024	-.0005	.0160	.0174
131	CCV	1.013	.9927	.9920	1.007	.9930	.9997

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
132	CCB	-.0002	.0030	.0001	.0021	.0016	.0001
133	0406C39-030A	-.0003	.0030	.0027	-.0003	.0086	.0123
134	0406C39-031A	-.0031	.0020	.0006	-.0004	.0161	.0157
135	0406C39-032A	-.0023	-.0010	.0031	-.0006	.0309	.0022
136	0406C39-033A	.0001	.0017	.0019	-.0009	.0449	.0096
137	0406B96-001A	-.0009	-.0058	-.0053	-.0006	.0104	.0004
138	0406C18-001B	.0013	-.0004	.0027	.0039	.0672	.0003
139	0406C18-002B	.0032	.0090	-.0032	.0016	.0905	-.0004
140	0406C18-003B	.0013	-.0009	.0055	.0009	.0524	.0001
141	0406C18-004B	.0004	.0017	.0024	.0058	.0064	.0006
142	0406C39-034A	-.0049	-.0014	-.0009	-.0047	.0212	.0093
143	CCV1	1.032	1.038	1.032	1.026	1.017	1.017
144	CCB1	-.0033	.0003	.0030	.0018	.0008	.0002
145	0406C18-002ADL	.0004	.0043	.0003	-.0006	.0293	-.0002
146	0406C18-002APDS	1.017	1.018	1.017	1.021	1.055	1.021
147	ICSA	-.0068	-.0007	-.0081	.0079	.0102	-.0000
148	ICSAB	.4859	.4937	.4902	.4951	.4698	.4728
149	CCV2	2.000	2.027	2.016	2.034	1.998	1.994
150	CCB2	-.0010	.0027	.0023	-.0021	.0129	.0007

#	Sample Name	Sn	Mo	Ti	Pb	Se
1	STD1-BLANK	.09399	.00799	.26048		
2	ICAL	29.9165	4.25328	71.7749		
3	ICAL2	59.1755	8.58257	144.23		
4	CKSTD	.9752	0.9928	.9917	.98604	.99380
5	ICV	.5054	.5083	.4998	.49993	.50737
6	ICB	-.0005	-.0002	-.0004	.00054	.00207
7	CRI	.0108	.0113	.0062	.01004	.01171
8	CRI2	.1005	.1052	.0961	.10286	.10130
9	ICSA	.0009	.0002	-.0057	-.00226	-.00422
10	ICSAB	.4660	.4717	.4588	.45188	.48296
11	CCV	.9768	.9906	.9892	.97923	.98680
12	CCB	-.0012	.0012	-.0035	-.00056	-.00084
~~13~~	~~LCS-46946~~	~~-.0011~~	~~.0004~~	~~-.0010~~	~~.00024~~	~~.00016~~
14	LCS-46946	.9953	1.014	1.045	1.0150	1.0320
15	0406174-028C	.0009	-.0005	-.0026	.00108	.00165
16	0406174-029C	.0001	-.0012	-.0001	-.00029	.00491
17	0406174-030C	.0008	-.0010	-.0009	.00118	.00196
18	ICSA	-.0009	-.0022	-.0078	-.00278	-.00533
19	ICSAB	.4737	.4782	.4670	.45338	.48525
20	CCV1	.9916	1.002	.9990	1.0029	1.0219
21	CCB1	.0016	-.0036	-.0023	.00065	.00201
22	LCS-47050	1.011	1.044	1.062	1.0027	.99479
23	MB-47050	.0017	.0007	-.0017	.00107	.00154
24	0406B33-003B	.0605	.1979	.6756	.72591	-.00214
25	0406B33-003BDUP	.0669	.1460	.5736	.62431	-.00039
26	0406B33-003BMS	1.039	1.231	2.715	1.6281	.90760
27	0406C14-001C	.0105	.0019	.0476	.03824	.00266
28	0406C14-002C	.0018	.0022	.4510	.01316	.00049
29	0406C14-003C	.0100	.0032	.0010	.00711	-.00135
30	0406B33-003BDL	.0124	.0414	.1364	.15135	-.00106
31	0406B33-003BPDS	4.859	4.826	5.016	4.9238	4.7600

#	Sample Name	Sn	Mo	Ti	Pb	Se
32	ICSA	.0040	.0002	-.0041	.00071	-.00568
33	ICSAB	.4710	.4770	.4585	.45511	.48994
~~34~~	~~CCV2~~	~~1.983~~	~~2.001~~	~~1.963~~	~~1.9583~~	~~2.0234~~
~~35~~	~~CCB2~~	~~-.0005~~	~~.0014~~	~~-.0030~~	~~.00024~~	~~.00098~~
36	CCV	.9975	1.012	1.001	1.0043	1.0219
37	CCB	.0016	-.0004	-.0016	-.00130	.00398
38	LCS-47097	.9965	1.024	1.019	.99535	1.0682
39	MB-47097	.0004	.0027	-.0015	.00236	.00306
40	0406C40-003A	.0012	.0017	.0064	-.00015	.00234
41	0406C40-003ADUP	.0007	-.0021	.0055	.00064	.00317
42	0406C40-003AMS	.9759	1.010	1.014	.98565	1.0373
43	0406B27-001A	.0011	.0060	-.0019	.00074	.00286
44	0406C46-013A	-.0002	.0014	-.0037	.01706	.00315
45	0406C40-003ADL	.0007	.0002	.0003	.00030	-.00016
46	0406C40-003APDS	.9945	1.022	1.002	1.0015	1.0416
47	CCV	1.002	1.029	1.015	1.0087	1.0258
48	CCB	.0001	.0012	-.0036	-.00039	.00431
49	LCS-47096	.9474	.9942	1.009	.99493	.97201
50	MB-47096	.0080	.0014	-.0023	.00130	.00107
51	0406C46-001A	.0388	.0358	2.527	.31999	-.00910
52	0406C46-001ADUP	.0338	.0370	2.104	.31596	-.00801
53	0406C46-001AMS	.9407	.9228	2.701	1.2539	.91371
54	0406C46-002A	.0297	.0313	2.301	.20339	-.00741
55	0406C46-003A	.0285	.0308	1.931	.86163	-.00904
56	0406C46-004A	.0316	.0248	1.816	.26684	-.00325
57	0406C46-005A	.0302	.0306	1.699	.26588	-.00147
58	0406C46-006A	.0273	.0334	2.475	1.3238	-.00919
59	CCV1	1.016	1.046	1.030	1.0280	1.0398
60	CCB1	-.0008	.0034	-.0048	-.00216	.00415
61	0406C46-007A	.0220	.0249	1.818	2.7298	-.00239
62	0406C46-008A	.0213	.0278	1.891	1.3544	-.00810
63	0406C46-009A	.0142	.0109	1.387	.27561	-.00164
64	0406C46-010A	.0253	.0167	2.302	.26665	-.00183
65	0406C46-011A	.0322	.0323	2.654	.35099	-.00101
66	0406C46-012A	.0295	.0326	2.337	.64380	-.00698
67	0406C46-001ADL	.0078	.0064	.5363	.07048	-.00131
68	0406C46-001APDS	4.768	4.747	5.902	4.6908	4.6975
69	ICSA	.0026	.0022	-.0043	.00070	-.00236
70	ICSAB	.4685	.4808	.4618	.45849	.48374
71	CCV2	1.960	2.032	1.972	1.9692	2.0012
72	CCB2	.0004	-.0011	-.0023	.00013	.00235
73	LCS-47093	.0517	.0665	.5154	14.535	.00519
74	MB-47093	.0060	.0030	.0002	.00934	-.00084
75	0406C51-003A	.0241	.0014	3.359	.50691	-.00090
76	0406C51-003CDUP	.0215	.0053	3.388	.51967	.00244
77	0406C51-003CMS	.0240	.0011	3.298	9.8175	-.00046
78	0406C51-001A	.0148	-.0003	1.018	.01974	.00277
79	0406C51-002A	.0123	.0076	4.087	.09771	.00005
80	0406C51-004A	.0066	.0542	2.028	.02961	-.00022
81	0406C51-005A	.0179	.0515	2.828	.07450	.00075
82	0406C51-006A	.0350	.1931	1.492	56.922	.00189
83	CCV1	.9877	1.023	.9921	1.0229	.99910
84	CCB1	.0013	.0009	-.0003	.00416	.00390
85	0406C02-001A	.0102	.1619	1.898	.08172	.00103

#	Sample Name	Sn	Mo	Ti	Pb	Se	
86	0406C51-007A	.0236	.1550	1.946	.07766	.00318	
87	0406C02-001A	.0387	.0028	.7365	.01138	-.00237	
88	0406C25-001A	.0124	.0045	1.826	4.7596	.00387	
89	0406C35-002A	.0563	.0054	2.912	9.5429	-.00157	
90	ICSA	.0040	-.0173	.0019	.01615	.00725	
91	ICSAB	.4622	.4829	.4558	.45256	.48089	
92	CCV2	1.969	2.034	1.982	1.9786	2.0251	
93	CCB2	.0012	.0011	-.0048	.00129	.00187	
94	LCS-47097	-.0009	-.0006	-.0011	-.00069	.00100	CCV 6-28-4
95	MB-47097	.0000	-.0019	.0001	.00000	.00147	
96	LCS-47098	.9727	1.025	1.016	.99377	1.0133	
97	MB-47098	.0008	.0011	-.0024	-.00021	.00154	
98	0406C37-006C	-.0009	.0006	-.0025	.00316	.00078	
99	0406C37-006CDUP	.0004	-.0021	-.0008	.00140	.00024	
100	0406C37-006CMS	.9877	1.042	1.028	.98797	1.0038	
101	0406B71-001E	.0008	.0138	.0089	.00055	.00288	
102	0406C17-001A	.0052	.0096	.0219	.00271	.00451	
103	0406C37-006CDL	-.0004	.0019	-.0016	-.00042	.00376	
104	0406C37-006CPDS	.9882	1.025	.9894	1.0027	1.0168	
105	ICSA	.0020	-.0002	-.0023	-.00040	-.00347	
106	ICSAB	.4583	.4705	.4490	.44749	.47720	
107	CCV1	.9770	1.017	.9760	.99860	1.0086	
108	CCB1	.0012	-.0008	-.0055	.00043	.00083	
109	LC-47121	.0376	.0679	.3222	15.051	.00455	
110	MB-47121	.0037	.0006	.0009	.00637	-.00049	
111	0406C87-001A	.0213	.0084	.6575	.59041	.00116	
112	0406C87-002A	.0379	.0532	.7018	1.7018	.00211	
113	0406C87-003A	.0518	.0009	.7864	7.3036	.00239	
114	0406C87-004A	.0352	.0007	1.369	.21861	.00092	
115	0406C87-005A	.0578	-.0010	1.518	.03647	.00240	
116	0406C87-006A	.0286	-.0004	2.309	.10477	.00185	
117	LCS-47099	.9910	1.032	1.034	1.0085	1.0200	
118	MB-47099	.0011	.0040	-.0000	-.00057	.00451	
119	CCV2	1.975	2.031	1.960	1.9862	2.0461	
120	CCB2	-.0000	.0013	-.0036	.00042	.00238	
121	0406C18-002A DW	.0007	.0006	.0534	.00141	.00276	
122	0406C18-002ADUP/MS	.9922	1.027	1.083	.99113	1.0067	6x-cnts CCV c.28-4
123	0406C18-002AMS 1A	.0133	.0010	1.023	.01309	.00326	
124	0406C18-001A 3A	.0027	.0053	1.094	.01393	.00265	
125	0406C18-003A 4A	.0046	.0014	.8594	.02377	.00442	
126	0406C18-004A 2A	-.0001	-.0002	.0553	.00062	.00298	
127	0406B66-001A	.0143	.0050	.7969	.05674	.04186	
128	0406C39-027A	.0045	.0011	.1796	.00404	-.00016	
129	0406C39-028A	-.0005	-.0007	.2737	.00376	.00244	
130	0406C39-029A	.0005	.0036	.5167	.00424	.00053	
131	CCV	.9812	1.001	.9775	.98187	.99225	
132	CCB	.0008	.0023	-.0015	-.00038	.00108	
133	0406C39-030A	.0005	.0011	.2914	.00245	.00280	
134	0406C39-031A	.0006	-.0024	.4393	.00404	.00106	
135	0406C39-032A	-.0001	.0073	.0167	.00033	.00173	
136	0406C39-033A	.0014	.0026	.1578	.00048	.00178	
137	0406B96-001A	.0013	.0000	-.0032	.00425	-.00549	
138	0406C18-001B	.0015	.0016	.0042	-.00105	.00166	
139	0406C18-002B	-.0026	.0001	.0073	-.00014	.00086	

#	Sample Name	Sn	Mo	Ti	Pb	Se	
140	0406C18-003B	-.0003	.0039	.0034	-.00041	.00333	
141	0406C18-004B	-.0001	-.0001	.0121	-.00136	.00215	
142	0406C39-034A	-.0000	.0017	.1795	.00125	-.00108	
143	CCV1	.9967	1.021	.9887	1.0050	1.0342	
144	CCB1	.0008	.0012	-.0028	-.00013	.00206	
145	0406C18-002ADL	.0013	.0005	.0059	-.00024	.00162	
146	0406C18-002APDS	.9956	1.021	1.021	.99931	1.0177	
147	ICSA	.0017	.0011	-.0061	.00038	-.00566	
148	ICSAB	.4692	.4761	.4528	.45658	.49136	
149	CCV2	1.980	2.011	1.946	1.9593	2.0194	
150	CCB2	.0006	.0018	-.0015	.00006	.00244	

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/25/2004 8:30:00 A**
Prep End Date: **6/25/2004 5:30:00 P**

Prep Batch **47109** Prep Code: **7471A_X_P** Technician: **Bridgette Blasinga**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406C14-001C	Waste		0.00050445	0	0	50	99117.851	6/25/2004	6/25/2004
0406C14-001CMS	Waste		0.00050232	0	0	50	99538.143	6/25/2004	6/25/2004
0406C14-001CMSD	Waste		0.00050201	0	0	50	99599.610	6/25/2004	6/25/2004
0406C14-001CPDS	Waste		0.00050445	0	0	50	99117.851	6/25/2004	6/25/2004
0406C14-002C	Waste		0.00050354	0	0	50	99296.977	6/25/2004	6/25/2004
0406C14-003C	Waste		0.00050442	0	0	50	99123.746	6/25/2004	6/25/2004
LCS-47109			0.0005	0	0	50	100000.000	6/25/2004	6/25/2004
MB-47109			0.0005	0	0	50	100000.000	6/25/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID **MB-47109**	SampType: **MBLK**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date: **6/25/2004**	RunNo: **52601**
Client ID:	Batch ID: **47109**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID **LCS-47109**	SampType: **LCS**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date: **6/25/2004**	RunNo: **52601**
Client ID:	Batch ID: **47109**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4026	0.100	0.4	0.0241	94.6	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7471A

Sample ID	0406C14-001CMS	SampType:	MS	TestCode:	7471A_X	Units:	mg/Kg	Prep Date:	6/25/2004	RunNo:	52601
Client ID:	JW-WA-04	Batch ID:	47109	TestNo:	SW7471A			Analysis Date:	6/25/2004	SeqNo:	1009545

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3993	0.0995	0.3982	0.01534	96.4	70	130	0	0		

Sample ID	0406C14-001CMSD	SampType:	MSD	TestCode:	7471A_X	Units:	mg/Kg	Prep Date:	6/25/2004	RunNo:	52601
Client ID:	JW-WA-04	Batch ID:	47109	TestNo:	SW7471A			Analysis Date:	6/25/2004	SeqNo:	1009546

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4094	0.0996	0.3984	0.01534	98.9	70	130	0.3993	2.50	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_X

Sample ID	**0406C14-001CPDS**	SampType:	**PDS**	TestCode:	**7471A_X**	Units:	**mg/Kg**	Prep Date:	**6/25/2004**	RunNo:	**52601**
Client ID:	**JW-WA-04**	Batch ID:	**47109**	TestNo:	**SW7471A**			Analysis Date:	**6/25/2004**	SeqNo:	**1009547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9983	0.198	0.9912	0.01534	99.2	85	115	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_X

Sample ID **ICB**	SampType: **ICB**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52601**
Client ID:	Batch ID: **R52601**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009540**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Sample ID **ICV 5.0 PPB**	SampType: **ICV**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52601**
Client ID:	Batch ID: **R52601**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.5494	0.100	0.5	0	110	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47109

Sample ID: **CCV 5.0 PPB**	SampType: **CCV**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52601**
Client ID:	Batch ID: **47109**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4863	0.100	0.5	0	97.3	80	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_X

Sample ID **CCB**	SampType: **CCB**	TestCode: **7471A_X**	Units: **mg/Kg**	Prep Date:	RunNo: **52601**
Client ID:	Batch ID: **R52601**	TestNo: **SW7471A**		Analysis Date: **6/25/2004**	SeqNo: **1009551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	BRL	0.100	0	0	0	0	0	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

AES MERCURY PREPARATION / ANALYSIS LOG BOOK

EPA 245.1, SW-846 7470A & 7471A

Logbook ID: MET-197

AES Batch #: 47109

AES Run #: 52601

Instrument: Varian FAA / VGA 77 / FIMS

Prep Date: 6/25/04 Prepped By: BB

Analysis Date: 6/25/04 Analyst: BB

No #	Sample ID	100ug/L Spike Vol (ml)	Initial Vol/Wt (ml or g)	Final Vol/Wt (ml or g)	Post Digestion D.F.	Matrix	Comments
	ICAL Blank	0	--	50	--		
	ICAL Std 0.16ug/L	0.08	--	50	--		
	ICAL Std 0.5ug/L	0.25	--	50	--		
	ICAL Std 1.0ug/L	0.5	--	50	--		
	ICAL Std 2.0ug/L	1	--	50	--		
	ICAL Std 5.0ug/L	2.5	--	50	--		
	ICAL Std 10.0ug/L	5	--	50	--		
	ICB	0	--	50	--		
	ICV	2.5	--	50	--		
	MB	0	~~40ml/0.5g~~	50	--	Sand	5.0139
	LCS	2	~~40ml/0.5g~~	50	--	Sand	5.0397
1	0406C14-001C	--	5.0445	50		Waste	
2	-001C MS	2	5.0232	50			
3	-001C MSD	2	5.0201	50			
4	-001C PDS	5	5.0445	50	2		
5	-002C	--	5.0354	50			
6	-003C	--	5.0442	50			
7		--		50			
8		--		50			
9		--		50			
10		--		50			
11		--		50			
12		--		50			
13		--		50			
14		--		50			
15		--		50			
16		--		50			
17		--		50			
18		--		50			
19		--		50			
20		--		50			
21		--		50			
22		--		50			
23		--		50			

BB 6/25/04

Hot-block Temp.: 94°C

Time on: 9:00 Time off: 9:30

Thermometer ID: T023

Thermometer Calibration Exp. Date: 6/14/05

Standards and Reagents

ICAL/CCV/PDS ID# Met-186-90

ICV/LCS/MS ID# Met-186-91

H2SO4 ID# 8580

HNO3 ID# BB 6/25/04 ~~8619~~ 8620

HCl ID# BB 6/25/04 ~~Met-184-28~~ 8619

KMnO4 ID# BB 6/25/04 Met-184-~~64~~ 28

K2S2O8 ID# Met-184-64

Hyd. Hdr. Cl. ID# Met-184-41

Stan. Chloride ID# Met-184-40

Reviewed By: CDW

Date: 6-25-04

Analyst	BB
Date Started	3:11 PM 6/25/04
Worksheet	Hg 6/25/04 A
Comment	7471A
Methods	Hg
	HI

Nominal Weight = 100.000 Nominal Volume = 100.00

Method: Hg H2O (Vapor)

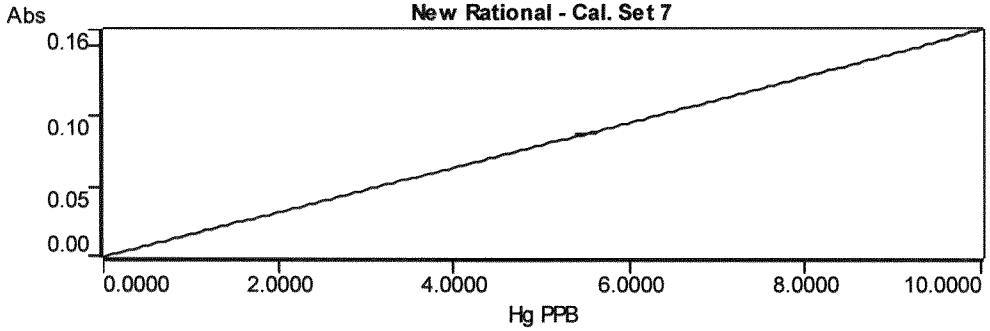
Sampling Mode:	AutoMix
Calibration Mode:	Concentration
Measurement Mode:	Integrate
Replicates Standard:	3
Replicates Sample:	3
Expansion Factor:	1.0
Minimum Reading:	Disabled
Smoothing:	5 point
Conc. Dec. Places:	4
Wavelength:	253.7 nm
Slit Width:	0.5 nm
Gain:	47 %
Lamp Current:	4.0 mA
Lamp Position:	2
Background Correction:	BC On
STANDARD 1:	0.1600 PPB
STANDARD 2:	0.5000 PPB
STANDARD 3:	1.0000 PPB
STANDARD 4:	2.0000 PPB
STANDARD 5:	5.0000 PPB
STANDARD 6:	10.0000 PPB
Reslope Rate:	0
Reslope Lower Limit:	75.0 %
Reslope Upper Limit:	125.0 %
Recalibration Rate:	0
Calibration Algorithm:	New Rational
Cal. Lower Limit:	20.0 %
Cal. Upper Limit:	150.0 %
Measurement Time:	5.0 s
Pre-Read Delay:	70 s
Vapor Type:	Cold Vapor
Burner Height:	0.0 mm

040625B 52601

Retired COW 6-25-04

Probe Height:	3 mm
Rinse Rate:	1
Rinse Time:	30 s
CAL ZEROPos:	1
STANDARD 1Pos:	2
STANDARD 2Pos:	3
STANDARD 3Pos:	4
STANDARD 4Pos:	5
STANDARD 5Pos:	6
STANDARD 6Pos:	7
Cor. Coeff. Limit:	0.9950
Inst. Detection Limit:	0.0100 PPB
Reqd. Detection Limit:	0.1600 PPB

Sample ID	Conc PPB	%RSD	Mean Abs	Weight	Volume	Readings		
CAL ZERO	0.0000	2.0	0.0031	100.000	100.00	0.0030	0.0031	0.0032
STANDARD 1	0.1600	3.5	0.0024	100.000	100.00	0.0024	0.0025	0.0023
STANDARD 2	0.5000	1.5	0.0081	100.000	100.00	0.0081	0.0080	0.0083
STANDARD 3	1.0000	1.0	0.0161	100.000	100.00	0.0162	0.0159	0.0162
STANDARD 4	2.0000	0.4	0.0321	100.000	100.00	0.0319	0.0322	0.0321
STANDARD 5	5.0000	0.6	0.0768	100.000	100.00	0.0762	0.0770	0.0772
STANDARD 6	10.0000	0.3	0.1616	100.000	100.00	0.1612	0.1614	0.1621



ICV 5.0 ppb	5.4940	0.5	0.0869	100.000	100.00	0.0865	0.0874	0.0869
	W0231: Sample concentration betw een IDL and RDL							
ICB	0.1195B	13.3	0.0019	100.000	100.00	0.0020	0.0016	0.0020
CRA 0.5 ppb	0.6312	2.5	0.0099	100.000	100.00	0.0099	0.0097	0.0102
MB-47109	0.2410	5.9	0.0038	100.000	100.00	0.0037	0.0040	0.0036
LCS- 47109	4.0258	0.4	0.0635	100.000	100.00	0.0632	0.0635	0.0637
	W0231: Sample concentration betw een IDL and RDL							
0406C14-001C	0.1548B	8.4	0.0024	100.000	100.00	0.0023	0.0023	0.0027
0406C14-001CMS	4.0115	0.5	0.0633	100.000	100.00	0.0634	0.0634	0.0629
0406C14-001CMSI	4.1105	0.6	0.0648	100.000	100.00	0.0645	0.0647	0.0652

Sample ID	Conc PPB	%RSD	Mean Abs	Weight	Volume	Readings		
0406C14-001CPDS	5.0360	0.2	0.0796	100.000	100.00	0.0795	0.0797	0.0797
0406C14-002C	0.1873	3.4	0.0029	100.000	100.00	0.0030	0.0028	0.0030
0406C14-003C	0.2170	6.0	0.0034	100.000	100.00	0.0036	0.0032	0.0035
CCV 5.0 ppb	4.8630	0.4	0.0768	100.000	100.00	0.0767	0.0772	0.0766
CCB	0.2186	8.6	0.0034	100.000	100.00	0.0034	0.0032	0.0037

Solution	Conc	Flag	Test and Action
QC STANDARD	5.0000	Q	If outside -80 .. +120, Flag and Continue
QC BLANK		Z	If outside -0.2000 .. +0.2000, Flag and Continue

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9040B

Sample ID **LCS-R52561**	SampType: **LCS**	TestCode: **9040B**	Units: **pH Units**	Prep Date:	RunNo: **52561**
Client ID:	Batch ID: **R52561**	TestNo: **SW9040B**		Analysis Date: **6/24/2004**	SeqNo: **1008602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.03	0.0100	7	0	100	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9040B

Sample ID **0406B83-001B DUP**	SampType: **DUP**	TestCode: **9040B**	Units: **pH Units**	Prep Date:	RunNo: **52561**
Client ID:	Batch ID: **R52561**	TestNo: **SW9040B**		Analysis Date: **6/24/2004**	SeqNo: **1008606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.19	0.0100	0	0	0	0	0	7.18	0.139	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

pH OF AQUEOUS, SOLID, AND WASTE SAMPLES

ELECTROMETRIC ANALYTICAL RUN LOG

EPA Methods 150.1, 9040B, 9045C, & 9041A (pH Paper)

AES Methods GL - 08067 & GL - 08068

Document ID: IN-357

AES, Inc.
3785 Presidential Pkwy
Atlanta GA 30340

Batch No.: R52561

INSTRUMENT RUN ID: ORION-1 040624A

Slope: 99.1 %

MDL=N/A

Analyzed by:

Start Date/Time: 6/24/04 12:14pm

End Date/Time: 6/24/04 20:00

AES JOB #	AES LAB #	Sample Amt. (mL/grams)	Contact Time (Minutes)	Settling Time (Min) or Centrifuge	Final Volume (mL)	Temperature (Degrees C)	Instrument Reading (pH units)	Time Analyzed	Comments
CALIBRATION 1	pH 4	50mL			50	25°	4.00	12:11	
CALIBRATION 2	pH 10						9.97	12:13	
LCS	pH 7						7.03	12:15	
0406B83-001B							7.19	12:17	
0406B83-001B	DUP						7.19	12:18	
0406C09-003B							7.05	1:15	
0406B89-001A							3.19	3:02	
0406B89-002A							3.21	5:05	
0406C14-001C							7.78	3:06	
0406C14-002C							6.73	3:08	
0406C15-001A							8.71	16:15	LW
002A							11.39	16:20	LW
003A							8.01	16:24	LW
0406C37-006B							4.59	18:00	YS
CCV 1	pH 4 or 10						4.04	18:02	
0406C37-006B							4.60	18:04	
	DUP						4.64	18:05	
0406C49-001E							6.18	19:00	
CCV 2	pH 4 or 10	50mL			50	25°	4.02	20:00	

CALIBRATION 1 LOT # 8129 (pH 4.00 ± 0.05)

CALIBRATION 2 LOT # 8931 (pH 10.00 ± 0.05)

pH 7 LOT # 8606 (pH 7.00 ± 0.05)

LCS READING ± 0.05 OF TV : YES or NO

CCV 1 READING ± 0.05 OF TV : YES or NO

CCV 2 READING ± 0.05 OF TV : YES or NO

DUP 1 %RPD = 0.14 (<20%)

DUP 2 %RPD = 0.27 (<20%)

Reviewed by: 754 Date: 6/25/4

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/25/2004 9:35:00 A**
Prep End Date: **6/25/2004 1:30:00 P**

Prep Batch **47105** Prep Code: **9045C_P** Technician: **Lonnie Wonnum**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406C05-001A	Sludge		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
0406C05-001A DUP	Sludge		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
0406C14-001B	Waste		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
0406C14-001B DUP	Waste		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
0406C14-002B	Waste		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
0406C14-003B	Waste		0.02	0	0	20	1000.000	6/25/2004	6/25/2004
CCV-47105			0.02	0	0	20	1000.000	6/25/2004	6/25/2004
LCS-47105			0.02	0	0	20	1000.000	6/25/2004	6/25/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9045C

Sample ID **LCS-47105**	SampType: **LCS**	TestCode: **9045C**	Units: **pH Units**	Prep Date: **6/25/2004**	RunNo: **52583**
Client ID:	Batch ID: **47105**	TestNo: **SW9045C**		Analysis Date: **6/25/2004**	SeqNo: **1009032**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.04	0.01000	7	0	101	90	110	0	0		

Sample ID **LCS-47105**	SampType: **LCS**	TestCode: **9045C_X**	Units: **pH Units**	Prep Date: **6/25/2004**	RunNo: **52583**
Client ID:	Batch ID: **47105**	TestNo: **SW9045C**		Analysis Date: **6/25/2004**	SeqNo: **1009058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.04	1.00	7	0	101	90	110	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW9045C

Sample ID **0406C05-001A DUP**	SampType: **DUP**	TestCode: **9045C**	Units: **pH Units**	Prep Date: **6/25/2004**	RunNo: **52583**
Client ID:	Batch ID: **47105**	TestNo: **SW9045C**		Analysis Date: **6/25/2004**	SeqNo: **1009043**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.04	0.01000	0	0	0	0	0	7.07	0.425	20	

Sample ID **0406C14-001B DUP**	SampType: **DUP**	TestCode: **9045C_X**	Units: **pH Units**	Prep Date: **6/25/2004**	RunNo: **52583**
Client ID: **JW-WA-04**	Batch ID: **47105**	TestNo: **SW9045C**		Analysis Date: **6/25/2004**	SeqNo: **1009044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	BRL	1.00	0	0	0	0	0	0	0	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

pH OF AQUEOUS, SOLID, AND WASTE SAMPLES

ELECTROMETRIC ANALYTICAL RUN LOG

EPA Methods 150.1, 9040B, 9045C, & 9041A (pH Paper)

AES Methods GL - 08067 & GL - 08068

Document ID: IN-357

AES, Inc.
3785 Presidential Pkwy
Atlanta GA 30340

Batch No.: 1765

INSTRUMENT RUN ID: ORION-1 040625A

Slope: 58.496

MDL=N/A

Analyzed by: LW

Start Date/Time: 6/25/04 0734

End Date/Time: 6/25/04 1330

AES JOB #	AES LAB #	Sample Amt. (mL/grams)	Contact Time (Minutes)	Settling Time (Min) or Centrifuge	Final Volume (mL)	Temperature (Degrees C)	Instrument Reading (pH units)	Time Analyzed	Comments
CALIBRATION 1	pH 4	50ml	60	60	50ml	25°C	3.99	0737	
CALIBRATION 2	pH 10	↓	↓	↓	↓	↓	10.02	0740	
LCS	pH 7	↓	↓	↓	↓	↓	7.04	0744	
MB6625-601A		20g	↓	↓	40	25°C	7.07	1335	
601A	DUP	↓	↓	↓	↓	↓	7.04	1338	
246614-601B		↓	↓	↓	↓	↓	0.02	1342	
601B DUP		↓	↓	↓	↓	↓	0.03	1345	
602B		↓	↓	↓	↓	↓	5.21	1348	
603B		↓	↓	↓	↓	↓	6.76	1352	
								RP 6/25/04	
CCV 1	pH 4 or 10						4.04	1355	
	DUP							RP 6/25/04	
CCV 2	pH 4 or 10								

CALIBRATION 1 LOT # 8129 (pH 4.00 ± 0.05)

CALIBRATION 2 LOT # 8431 (pH 10.00 ± 0.05)

pH 7 LOT # Sweda (pH 7.00 ± 0.05)

LCS READING ± 0.05 OF TV : YES or NO

CCV 1 READING ± 0.05 OF TV : YES or NO

CCV 2 READING ± 0.05 OF TV : YES or NO

DUP 1 %RPD = 0.1372 (<20%)

DUP 2 %RPD = 0 (<20%)

Reviewed by: RP Date: 6/25/04

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 7:00:00 P**
Prep End Date: **6/24/2004 9:15:00 P**

Prep Batch **47104** Prep Code: **7.3.3.2CN_P** Technician: **Yassin Jeilani**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406C14-001B	Waste		0.00116	0	0	50	43103.448	6/24/2004	6/24/2004
0406C14-001B DUP	Waste		0.00117	0	0	50	42735.043	6/24/2004	6/24/2004
0406C14-001B MS	Waste		0.00124	0	0	50	40322.581	6/24/2004	6/24/2004
0406C14-002B	Waste		0.00114	0	0	50	43859.649	6/24/2004	6/24/2004
0406C14-003B	Waste		0.0012	0	0	50	41666.667	6/24/2004	6/24/2004
0406C14-006D	Waste Water		0.00119	0	0	50	42016.807	6/24/2004	6/24/2004
0406C14-007D	Waste Water		0.00113	0	0	50	44247.788	6/24/2004	6/24/2004
LCS-47104			0.001	0	0	50	50000.000	6/24/2004	6/24/2004
MB-47104			0.001	0	0	50	50000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7.3.3.2

Sample ID **MB-47104**	SampType: **MBLK**	TestCode: **7.3.3.2CN**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52574**
Client ID:	Batch ID: **47104**	TestNo: **SW7.3.3.2**		Analysis Date: **6/25/2004**	SeqNo: **1008860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	BRL	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7.3.3.2**

Sample ID **LCS-47104**	SampType: **LCS**	TestCode: **7.3.3.2CN**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52574**
Client ID:	Batch ID: **47104**	TestNo: **SW7.3.3.2**		Analysis Date: **6/25/2004**	SeqNo: **1008861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	10.82	1.00	12.5	0	86.6	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7.3.3.2**

Sample ID	**0406C14-001B MS**	SampType:	**MS**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52574**
Client ID:	**JW-WA-04**	Batch ID:	**47104**	TestNo:	**SW7.3.3.2**			Analysis Date:	**6/25/2004**	SeqNo:	**1008868**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	9.165	0.806	10.08	0	90.9	20	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7.3.3.2**

Sample ID	**0406C14-001B DUP**	SampType:	**DUP**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52574**
Client ID:	**JW-WA-04**	Batch ID:	**47104**	TestNo:	**SW7.3.3.2**			Analysis Date:	**6/25/2004**	SeqNo:	**1008867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	BRL	0.855	0	0	0	0	0	0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Standard Curve Evaluation Worksheet

Method:	335.1/335.2/9014

Wet Chemistry

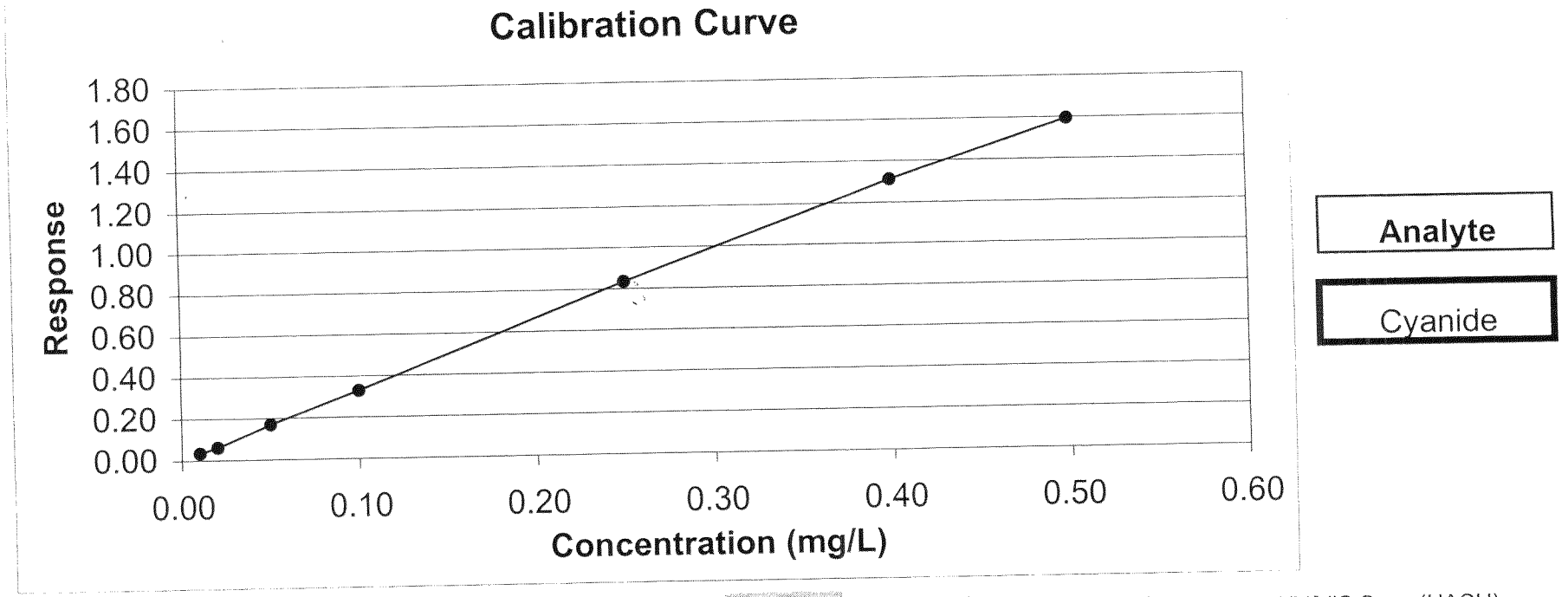
Curve No.: CN- 11

Calibration No.	Concentration (mg/L)	**Abs. @ 578 nm**	Response Factor	% by Linear Regress	P/F
1	0.01	0.033	3.30E+00	84.6	Pass
2	0.02	0.06	3.00E+00	84.2	Pass
3	0.05	0.168	3.36E+00	100.7	Pass
4	0.10	0.328	3.28E+00	100.0	Pass
5	0.25	0.833	3.33E+00	102.7	Pass
6	0.40	1.311	3.28E+00	101.3	Pass
7	0.50	1.591	3.18E+00	98.4	Pass

Correlation
0.99968

Slope
0.310484239

y-Intercept
-0.00179055



Analyst: VS/RD **Date:** 2/12/2004 **Instrument:** UV/VIS Spec (HACH)

\\Aes server\L\WetChem Data\CalCurves\Cyanide 011 CAL CURVE

AES, Inc.
3785 Presidential Parkway
Atlanta, GA 30340

Document ID No.: [illegible]502

TOTAL & AMENABLE CYANIDE - MIDI DISTILATION
SAMPLE PREP AND ANALYSIS DATA SHEET

EPA 335.1, 335.2, 335.4, SW-846 9010B, 9012A, 9013, 9014 7.3.3.2 CN

AES Method GL-08029

Calibration Curve ID: CN011
Curve Prep. Date: 2/12/04
Curve Expiration Date: 8/12/04
Curve Prepared By: VSh RP
Slope: 0.310484239
Intercept: -0.00179055
Wavelength: 578 nm

Batch No.: 47104
Instrument Run ID: UV/VIS-SPEC 040625A
Prepared By: YJ Date: 6/24/04 Start Time: 1900 End Time: 2115
Analyzed By: YJ/LW Date: 6/25/04 Start Time: 1040 End Time: 1125

AES ID #	Initial Vol/Wt (mL/g)	Final Vol.(mL)	D.F.	Absorbance	pH >12	Sulfide Check	Calculated Value	Corrected Value	Comments
~~CCV~~									RP 6/25/4
MB	1.00g	50	1	0	NA	NA	0	0	
LCS	1.00g		1	0.703			0.2165	10.82	TV=12.5mg/Kg
0406C14-001B	1.16g		1	0.002			0	0	
001B DUP	1.17g		1	0.003			0	0	
001B MS	1.24g		1	0.738			0.2273	9.1672	
002B	RP 6/25/4 ~~1.00g~~ 1.14g		1	0.002			0	0	
003B	1.20g		1	0.004			0	0	
006B	1.19g		1	0.004			0	0	
007B	1.13g		1	0.001			0	0	
									RP 6/25/4
CCV	~~1.00~~ g	50	1	1.185	NA	NA	0.3661	18.31	TV=20mg/Kg
CCB	1.00g		1	0	1	1	0	0	
									RP 6/25/4
CCV									
CCB									

CCV LOT # IN361-45-8788 TV= .40 mg/L 92 %Rec. (90-110%) Approved RP 6/25/4
LCS LOT # IN329-53-8279 TV= .25 mg/L 87 %Rec. (90-110%)
MS & MSD Lot # ↓ TV= .25 mg/L

Cyanide Buffer Lot # IN361-70-8216
Chloramine-T Solution Lot # IN361-69-5057
Pyridine-Barbituric Acid Reagent Lot # IN361-18-8402

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/24/2004 4:30:00 P**
Prep End Date: **6/24/2004 6:30:00 P**

Prep Batch **47106** Prep Code: **7.3.4.2SO2_P** Technician: **Yassin Jeilani**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406C14-001B	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-001B DUP	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-001B MS	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-002B	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-003B	Waste		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-006D	Waste Water		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
0406C14-007D	Waste Water		0.001	0	0	50	50000.000	6/24/2004	6/24/2004
LCS#2-47106			0.001	0	0	50	50000.000	6/24/2004	6/24/2004
LCS-47106			0.001	0	0	50	50000.000	6/24/2004	6/24/2004
MB-47106			0.001	0	0	50	50000.000	6/24/2004	6/24/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7.3.4.2

Sample ID **MB-47106**	SampType: **MBLK**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52568**
Client ID:	Batch ID: **47106**	TestNo: **SW7.3.4.2**		Analysis Date: **6/24/2004**	SeqNo: **1008720**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	BRL	20.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7.3.4.2

Sample ID **LCS-47106**	SampType: **LCS**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52568**
Client ID:	Batch ID: **47106**	TestNo: **SW7.3.4.2**		Analysis Date: **6/24/2004**	SeqNo: **1008721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	208	20.0	292.5	0	71.1	70	130	0	0		

Sample ID **LCS#2-47106**	SampType: **LCS**	TestCode: **7.3.4.2SO2**	Units: **mg/Kg**	Prep Date: **6/24/2004**	RunNo: **52568**
Client ID:	Batch ID: **47106**	TestNo: **SW7.3.4.2**		Analysis Date: **6/24/2004**	SeqNo: **1008729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	35.52	20.0	36.6	0	97	70	130	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7.3.4.2**

Sample ID	**0406C14-001B MS**	SampType:	**MS**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52568**
Client ID:	**JW-WA-04**	Batch ID:	**47106**	TestNo:	**SW7.3.4.2**			Analysis Date:	**6/24/2004**	SeqNo:	**1008728**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	176.6	20.0	201.7	21.92	76.7	20	120	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406C14
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW7.3.4.2

Sample ID	**0406C14-001B DUP**	SampType:	**DUP**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**6/24/2004**	RunNo:	**52568**
Client ID:	**JW-WA-04**	Batch ID:	**47106**	TestNo:	**SW7.3.4.2**			Analysis Date:	**6/24/2004**	SeqNo:	**1008727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	27.21	20.0	0	0	0	0	0	21.92	21.5	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

AES, Inc.
3785 Presidential Pkwy
Atlanta, GA 30340

Document I.D. No.: IN-325

SULFIDE
Sample Preparation & Analysis Data Sheet
EPA 376.1, SW-846 9034A, 7.3.4.2 S^{-2}
AES Method GL-08083

Batch No.: 47106 Prepared by: YJ Start Date/Time: 6/24/04 1630 End Date/Time: 6/24/4 1830
Analyzed by: YJ Start Date/Time: 6/24/04 1900 End Date/Time: 6/24/4 20:00
Instrument Run ID: Titration 040624A N Thios = 0.025 N I2 = 0.02435

AES Lab #	Vol/Wt (ml/gm)	Iodide Vol (mL)	Sodium Thiosulfate (gm)	Result S^{-2} (mg/L or mg/Kg)	Corrected Result (mg/L or mg/Kg)	Comments
MB	1g	10mL	9.74	0		
LCS1	1g		9.22	208		TV=292.5
040EC14-001B	1.46g		9.66	21.92		
001B DUP	1.47g		9.64	27.21		
001B MS	1.45g		9.10	176.55		TV=201.72
002B	1.36g		9.66	~~77.65~~	23.53	
003B	1.43g		7.42	648.95		
006D	1.42g		9.62	33.80		
007D	1.45g		9.60	38.62		
LCS2	25mL	10mL	7.52	35.52		TV=36.6

RP 6/25/4

LCS1 ID. IN 361-79-7995 TV = 292.5 mg/Kg 71.1 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
LCS2 ID. IN 361-80-7995 TV = 97% mg/Kg 36.6 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
MS ID. IN 361-79-7995 TV = 201.72 mg/Kg 77 %Rec. (376.1&9034A- 80-120%) (7.3.4.2 S-2- 20-120%)
%RPD 21.5 (376.1&9034A ≤20%) (7.3.4.2 S-2 <30%)
Iodine Lot # IN 361-50-7997

Calculation: $S^{-2} = \frac{(\text{Vol } I_2 * \text{N } I_2) - (\text{Vol Thios} * \text{N Thios}) * 16{,}000}{\text{Vol/Weight}}$

TV LCS = $\frac{58.5 \times 5}{1} = 292.5$ mg/Kg

TV MS = $\frac{58.5 \times 5}{1.45} = 201.72$ mg/Kg

Reviewed By: RP Date: 6/25/4

ljob 1/5/2004 12:10 PM

TABLE OF CONTENTS

- Laboratory Report Summary Sheets
- Sample Receipt Check List
- Chain of Custody
- Case Narrative

- **Polychlorinated Biphenyls Fraction-Waste Samples**

- QC Data
- Initial Calibration Data
- Continuing Calibration Data and Raw Data

- **Chlorinated Pesticides Fraction-Waste Samples**

- QC Data
- Initial Calibration Data
- Continuing Calibration Data and Raw Data

This Data Package contains 212 total pages (including table of contents).

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-WA-03
Lab Order:	0406D44	**Tag Number:**	
Project:	J+W Drums	**Collection Date:**	6/22/2004 8:45:00 PM
Lab ID:	0406D44-001A	**Matrix:**	WASTE

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
CHLORINATED PESTICIDES, TARGET COMPOUN		**SW8081A**					Analyst: **JMZ**
4,4´-DDD	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
4,4´-DDE	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
4,4´-DDT	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Aldrin	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
alpha-BHC	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
alpha-Chlordane	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
beta-BHC	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Chlordane	BRL	4.8		mg/Kg	47170	1	6/29/2004 10:51:00 PM
delta-BHC	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Dieldrin	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endosulfan I	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endosulfan II	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endosulfan sulfate	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endrin	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endrin aldehyde	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Endrin ketone	BRL	0.096		mg/Kg	47170	1	6/29/2004 10:51:00 PM
gamma-BHC	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
gamma-Chlordane	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Heptachlor	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Heptachlor epoxide	BRL	0.048		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Methoxychlor	BRL	0.48		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Toxaphene	BRL	4.8		mg/Kg	47170	1	6/29/2004 10:51:00 PM
Surr: Decachlorobiphenyl	70.8	30-150		%REC	47170	1	6/29/2004 10:51:00 PM
Surr: Tetrachloro-m-xylene	84.8	30-150		%REC	47170	1	6/29/2004 10:51:00 PM
POLYCHLORINATED BIPHENYLS		**SW8082**					Analyst: **JMZ**
Aroclor 1016	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1221	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1232	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1242	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1248	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1254	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Aroclor 1260	BRL	0.96		mg/Kg	47169	1	6/29/2004 10:03:00 AM
Surr: Decachlorobiphenyl	84.0	30-150		%REC	47169	1	6/29/2004 10:03:00 AM
Surr: Tetrachloro-m-xylene	92.7	30-150		%REC	47169	1	6/29/2004 10:03:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Tetra Tech EM Work Order Number 0406D44

Checklist completed by Almet Coe 6/23/14
Signature Date

Carrier name: FedEx __ UPS __ Courier __ Client ✓ US Mail __ Other _____

Shipping container/cooler in good condition? Yes ✓ No __ Not Present __

Custody seals intact on shipping container/cooler? Yes __ No __ Not Present ✓

Custody seals intact on sample bottles? Yes __ No __ Not Present ✓

Container/Temp Blank temperature in compliance? (4°C±2)* Yes ✓ No __

Cooler #1 4.5°C Cooler #2 _____ Cooler #3 _____ Cooler #4 _____ Cooler#5 _____ Cooler #6 _____

Chain of custody present? Yes ✓ No __

Chain of custody signed when relinquished and received? Yes ✓ No __

Chain of custody agrees with sample labels? Yes ✓ No __

Samples in proper container/bottle? Yes ✓ No __

Sample containers intact? Yes ✓ No __

Sufficient sample volume for indicated test? Yes ✓ No __

All samples received within holding time? Yes ✓ No __

Was TAT marked on the COC? Yes ✓ No __

Proceed with Standard TAT as per project history? Yes __ No __ Not Applicable ✓

Water - VOA vials have zero headspace? No VOA vials submitted __ Yes ✓ No __

Water - pH acceptable upon receipt? Yes ✓ No __ Not Applicable __

Adjusted? _____ Checked by A0G

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

0406044

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION 4 TAT

CHAIN OF CUSTODY RECORD

TO: AES, INC.

ENVIRONMENTAL SE
COLLEGE STATION
ATHENS, GEORGIA 3

0406044
0406033

PROJ. NO. [redacted]

PROJECT NAME: GW DRUMS

SAMPLERS (Signature): ALAN WHITT, NEIL DANIEL, [redacted] FERKEL, JOHN SCHENDER

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS
JW-W-01	6/22/04	1945		X	WATER POURING OUT OF CRACK IN WALL	7
JW-WA-02	6/22/04	2011		X	DRUM LABELLED "PARALOID B-66T 51% SOLUTION	7
JW-WA-03	6/22/04	2045		X	SOLIDS ON SIDEWALK BENEATH LEAKING CRACK IN WALL	3

Circle/add Parameters Desired ( ) = Indicates Separate Containers

Water/Wastewater | Soil/Sed/Sldg | Waste | Misc

(Gal G (last org Pest) (EP) (herb)
40 ml vial (VOA)
250 ml G (TOX)
P (Bod, TSS, Cl, Ff, Sol, etc)
1LG (pheno) (O&G) (pest)
1LP (met, hard) (TOC, COD, N, P, etc)
0.5-1LP (S²⁻)
½ gal or 1LP (CN)
8 oz G (last org pest, herb) (met) (EP)
4 oz G (VOA)
P or G (CN, S²⁻, N, P, COD, etc)
4 oz G (last org pest, herb, VOA)
8 oz G (EP) (met, CN, S²⁻, FP) (FP, BTU)

VOCs
SVOCs (8260 B) (8270 C)
PH
CYANIDE (8A)
REACTIVITY (SULFIDE, NaOH)
TOTAL METALS (ICP)

REMARKS

X	X	X	X		
X	X	X		X	
X	X		X		X
X					

POSSIBLE BIOLOG
POSSIBLE HIGH
POSSIBLE BIOL
(NOT PRESERVED

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6-23 11:15 AM	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
		[signature] 6/23/04 11:15
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

Remarks
• 48-HOUR TURN ON PRELI
• SEND (E-MAIL) RESULTS TO JO
ITEMI.COM (CALL HIM AT 67

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by [illegible]
Yellow copy retained by samplers, Blue copy extra copy as needed.

T4- 8026

Analytical Environmental Services, Inc.

Date: *08-Jul-04*

CLIENT: Tetra Tech EM Inc.
Project: J+W Drums
Lab Order: 0406D44

CASE NARRATIVE

Per John Schendel 6/28/04 11:00am, analyze sample JW-WA-03 for Pesticides and PCBs as next day rush.

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/28/2004 11:24:55**
Prep End Date: **6/28/2004 3:27:52 P**

Prep Batch **47169** Prep Code: **3580A_PCB** Technician: **Zafer Sarihan**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406D44-001A	Waste		0.00104	0	0	10	9615.385	6/28/2004	6/28/2004
0406D44-001AMS	Waste		0.00105	0	0	10	9523.810	6/28/2004	6/28/2004
0406D44-001AMSD	Waste		0.00101	0	0	10	9900.990	6/28/2004	6/28/2004
LCS-47169			0.001	0	0	10	10000.000	6/28/2004	6/28/2004
MB-47169			0.001	0	0	10	10000.000	6/28/2004	6/28/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_X

Sample ID **MB-47169**	SampType: **MBLK**	TestCode: **8082_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52695**
Client ID:	Batch ID: **47169**	TestNo: **SW8082**		Analysis Date: **6/29/2004**	SeqNo: **1011762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	BRL	1.0									
Aroclor 1221	BRL	1.0									
Aroclor 1232	BRL	1.0									
Aroclor 1242	BRL	1.0									
Aroclor 1248	BRL	1.0									
Aroclor 1254	BRL	1.0									
Aroclor 1260	BRL	1.0									
Surr: Decachlorobiphenyl	0.5304	0	0.5	0	106	60.7	204	0	0		
Surr: Tetrachloro-m-xylene	0.5626	0	0.5	0	113	59.4	175	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_X

Sample ID **LCS-47169**	SampType: **LCS**	TestCode: **8082_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52695**
Client ID:	Batch ID: **47169**	TestNo: **SW8082**		Analysis Date: **6/29/2004**	SeqNo: **1011763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	6.644	1.0	5	0	133	72.7	141	0	0		
Aroclor 1260	6.387	1.0	5	0	128	65.9	157	0	0		
Surr: Decachlorobiphenyl	0.5833	0	0.5	0	117	60.7	204	0	0		
Surr: Tetrachloro-m-xylene	0.6656	0	0.5	0	133	59.4	175	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_X

Sample ID **0406D44-001AMS**	SampType: **MS**	TestCode: **8082_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52695**
Client ID: **JW-WA-03**	Batch ID: **47169**	TestNo: **SW8082**		Analysis Date: **6/29/2004**	SeqNo: **1011765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.759	0.95	4.762	0	99.9	69.4	133	0	0		
Aroclor 1260	4.889	0.95	4.762	0	103	47.6	154	0	0		
Surr: Decachlorobiphenyl	0.4339	0	0.4762	0	91.1	35.2	189	0	0		
Surr: Tetrachloro-m-xylene	0.46	0	0.4762	0	96.6	49.6	135	0	0		

Sample ID **0406D44-001AMSD**	SampType: **MSD**	TestCode: **8082_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52695**
Client ID: **JW-WA-03**	Batch ID: **47169**	TestNo: **SW8082**		Analysis Date: **6/29/2004**	SeqNo: **1011767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	5.35	0.99	4.95	0	108	69.4	133	4.759	11.7	19.5	
Aroclor 1260	4.974	0.99	4.95	0	100	47.6	154	4.889	1.72	16	
Surr: Decachlorobiphenyl	0.4799	0	0.495	0	96.9	35.2	189	0.4339	0	0	
Surr: Tetrachloro-m-xylene	0.5191	0	0.495	0	105	49.6	135	0.46	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: E:\HPCHEM\1\DATA\540603

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	25	54060301.D	1.	HEXANE 8497	CCB 8081	3 Jun 2004 08:57
2	26	54060302.D	1.	PEM 4065	PEM 8082	3 Jun 2004 10:11
3	27	54060303.D	1.	1660-01 4069	ICAL 8082	3 Jun 2004 10:41
4	28	54060304.D	1.	1660-02 4069	ICAL 8082	3 Jun 2004 11:10
5	29	54060305.D	1.	1660-03 4069	ICAL 8082	3 Jun 2004 11:40
6	30	54060306.D	1.	1660-04 4069	ICAL 8082	3 Jun 2004 12:09
7	31	54060307.D	1.	1660-05 4069	ICAL 8082	3 Jun 2004 12:39
8	32	54060308.D	1.	1660-06 4069	ICAL 8082	3 Jun 2004 13:09
9	33	54060309.D	1.	ICV 4070	ICV 8082	3 Jun 2004 13:38
10	34	54060310.D	1.	1660-04 4069	CCV 8082	3 Jun 2004 14:08
11	2	54060311.D	1.	INDA-04 4020	CCV 8081_TCL_S	3 Jun 2004 15:22
12	3	54060312.D	1.	INDB-04 4021	CCV 8081_TCL_S	3 Jun 2004 15:52

Calibration Curve Review Checklist for GC Methods

Matrix: **CH2CL2** Instrument: **MS-10** Date Prepared: **5/24/2004**

Test Method: **B052404.M** Curve ID: _____

	Col 1	Col 2
• Does the calibration curve contain a minimum of 5 points.	✔	✔
• If average response factor used in calculation are all compound RSD ±20% for 8000 Methods and FL PRO or 10% for 600 Methods	✔	
• If linear regression used in calculation, is the correlation coefficient (r) > 0.995		✔
• Is the lowest data point in each curve at the PQL in LIMS	✔	✔
List any analytes with data point below or above PQL		
• Is the highest data point in each curve at the UQL in LIMS		✔
List any analytes with highest standard below UQL		
• Is the retention time RT of each target analyte in each calibration standard within the RT window.	✔	✔
• Does the ICV pass (% D < = 15% for each analyte or average of all %Ds ≤15% for 8000 Methods; ≤20% for FL PRO; % D ≤15% for each target for 600s)	✔	✔
• Is ICV a second source standard from ICAL standards	✔	✔
• Is the standard preparation information included and properly signed and dated.	✔	✔
• Is run log included and properly signed and dated.	✔	✔
• Are all chromatograms included and properly signed and dated.	✔	✔

Comments:

Analyst: _____ Date: **5/25/2004** Time: **12:43 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

Comments:

ICV failed for hexachlorocyclopentadiene at first time.

Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

		Compound	5	1	2	3	4	6	Avg		%RSD
1)	S	TCMX	5.891	5.500	6.001	5.742	5.929	5.534	5.766	E4	3.66
2)	L1	Aroclor-1016 {1}	2.430	3.086	2.882	2.595	2.531	2.223	2.625	E3	11.91
3)	L1	Aroclor-1016 {2}	5.579	6.145	6.358	5.635	5.740	5.122	5.763	E3	7.61
4)	L1	Aroclor-1016 {3}	2.210	2.304	2.473	2.202	2.264	2.033	2.248	E3	6.41
5)	L1	Aroclor-1016 {4}	2.361	2.341	2.520	2.259	2.410	2.177	2.345	E3	5.08
6)	L1	Aroclor-1016 {5}	1.208	1.298	1.236	1.111	1.213	1.118	1.197	E3	5.99
7)	L2	Aroclor-1221 {1}	6.428	7.153	7.148	6.622	6.446	6.283	6.680	E2	5.69
8)	L2	Aroclor-1221 {2}	3.468	4.451	4.018	3.715	3.513	3.260	3.738	E2	11.59
9)	L2	Aroclor-1221 {3}	1.732	2.299	2.109	1.891	1.781	1.593	1.901	E3	13.71
10)	L3	Aroclor-1232 {1}	1.579	1.798	1.786	1.617	1.603	1.416	1.633	E3	8.73
11)	L3	Aroclor-1232 {2}	1.220	1.223	1.227	1.121	1.255	1.104	1.192	E3	5.27
12)	L3	Aroclor-1232 {3}	1.008	0.737	0.903	1.001	1.025	0.923	0.933	E3	11.56
13)	L3	Aroclor-1232 {4}	9.250	8.873	9.306	9.158	9.363	8.724	9.112	E2	2.82
14)	L3	Aroclor-1232 {5}	6.630	7.043	6.724	6.403	6.589	6.493	6.647	E2	3.36
15)	L4	Aroclor-1242 {1}	1.117	1.314	1.232	1.187	1.163	1.021	1.173	E3	8.53
16)	L4	Aroclor-1242 {2}	1.734	1.702	1.915	1.654	1.792	1.597	1.732	E3	6.45
17)	L4	Aroclor-1242 {3}	1.134	0.970	1.145	0.989	1.141	1.092	1.079	E3	7.34
18)	L4	Aroclor-1242 {4}	1.791	1.905	1.935	1.901	1.838	1.687	1.843	E3	5.01
19)	L4	Aroclor-1242 {5}	7.293	6.739	6.826	7.057	7.154	7.524	7.099	E2	4.11
20)	L5	Aroclor-1248 {1}	2.624	2.835	2.741	2.705	2.679	2.441	2.671	E3	4.97
21)	L5	Aroclor-1248 {2}	2.910	3.477	3.250	3.006	2.992	2.658	3.049	E3	9.29
22)	L5	Aroclor-1248 {3}	1.684	1.740	1.700	1.690	1.702	1.603	1.687	E3	2.69
23)	L5	Aroclor-1248 {4}	1.181	2.052	1.375	1.300	1.227	1.129	1.377	E3	24.80
24)	L5	Aroclor-1248 {5}	1.417	1.539	1.453	1.458	1.427	1.372	1.445	E3	3.86
25)	L6	Aroclor-1254 {1}	2.164	2.344	2.235	2.239	2.181	2.044	2.201	E3	4.52
26)	L6	Aroclor-1254 {2}	2.827	3.717	3.307	3.083	2.894	2.543	3.062	E3	13.40
27)	L6	Aroclor-1254 {3}	3.558	3.201	3.656	3.502	3.368	3.343	3.438	E3	4.80
28)	L6	Aroclor-1254 {4}	3.015	3.407	3.205	3.053	2.881	2.784	3.058	E3	7.34
29)	L6	Aroclor-1254 {5}	4.229	4.186	3.951	4.044	3.916	3.983	4.051	E3	3.18
30)	L7	Aroclor-1260 {1}	3.593	4.320	3.955	3.696	3.701	3.217	3.747	E3	9.85
31)	L7	Aroclor-1260 {2}	6.472	7.254	7.351	6.705	6.646	5.785	6.702	E3	8.50
32)	L7	Aroclor-1260 {3}	5.607	5.604	6.041	5.646	5.654	5.269	5.637	E3	4.35
33)	L7	Aroclor-1260 {4}	3.304	3.268	3.446	3.362	3.348	3.105	3.306	E3	3.48
34)	L7	Aroclor-1260 {5}	3.222	2.673	2.869	3.436	3.147	3.339	3.114	E3	9.32
35)	L8	Aroclor-1262 {1}	4.511						4.511	E3	0.00
36)	L8	Aroclor-1262 {2}	3.725						3.725	E3	0.00
37)	L8	Aroclor-1262 {3}	9.373						9.373	E3	0.00
38)	L8	Aroclor-1262 {4}	3.975						3.975	E3	0.00
39)	L8	Aroclor-1262 {5}	3.776						3.776	E3	0.00
40)	L9	Aroclor-1268 {1}				2.806			2.806	E3	0.00
41)	L9	Aroclor-1268 {2}				1.329			1.329	E4	0.00
42)	L9	Aroclor-1268 {3}				9.686			9.686	E3	0.00
43)	L9	Aroclor-1268 {4}				3.991			3.991	E3	0.00

(#) = Out of Range

Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

		Compound	5	1	2	3	4	6	Avg		%RSD
44)	L9	Aroclor-1268 {5}			2.575				2.575	E4	0.00
45)	S	DCB	8.855	9.910	9.853	9.070	9.106		9.359	E4	5.20

Signal #2 Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

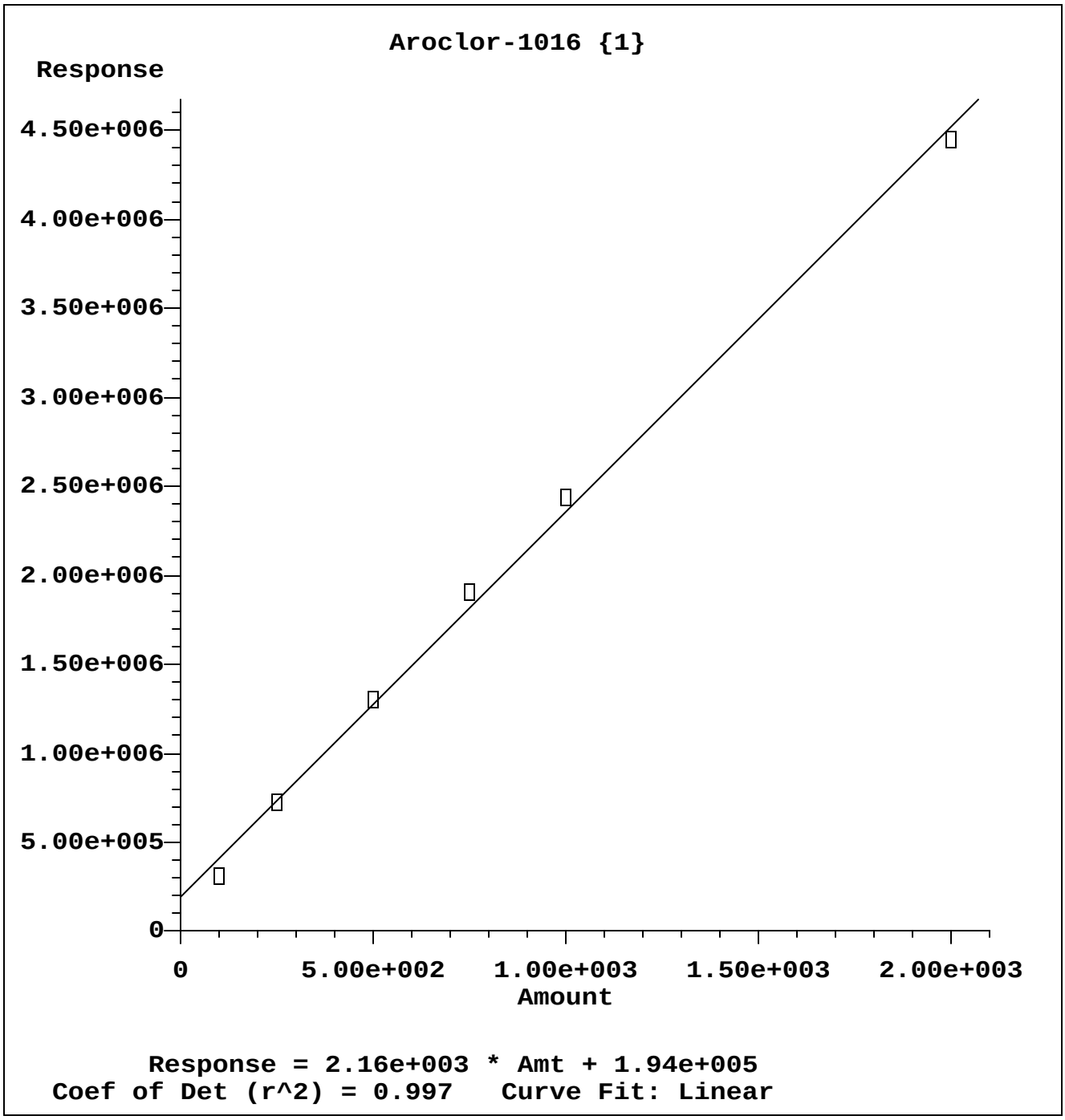
		Compound	5	1	2	3	4	6	Avg		%RSD
1)	S	TCMX	6.935	7.313	7.599	6.990	7.107	6.406	7.058	E4	5.68
2)	L1	Aroclor-1016 {1}	2.732	3.604	3.302	2.875	2.867		3.076	E3	11.86
3)	L1	Aroclor-1016 {2}	5.685	7.111	6.960	5.948	5.897	5.091	6.115	E3	12.70
4)	L1	Aroclor-1016 {3}	2.632	3.375	3.214	2.721	2.725	2.460	2.855	E3	12.54
5)	L1	Aroclor-1016 {4}	1.326	1.779	1.669	1.359	1.378	1.174	1.448	E3	15.79
6)	L1	Aroclor-1016 {5}	2.246	2.273	2.328	2.080	2.292	2.047	2.211	E3	5.32
7)	L2	Aroclor-1221 {1}	6.095	7.346	7.148	6.497	7.161	5.873	6.687	E2	9.27
8)	L2	Aroclor-1221 {2}	4.387	5.111	5.262	4.803	5.210	4.079	4.809	E2	10.05
9)	L2	Aroclor-1221 {3}	1.553	2.243	1.940	1.715	1.854	1.408	1.785	E3	16.59
10)	L3	Aroclor-1232 {1}	1.389	1.650	1.674	1.476	1.453	1.227	1.478	E3	11.30
11)	L3	Aroclor-1232 {2}	1.055	1.210	1.200	1.119	1.106	0.995	1.115	E3	7.44
12)	L3	Aroclor-1232 {3}	1.072	1.084	1.076	1.023	1.052	0.948	1.042	E3	4.93
13)	L3	Aroclor-1232 {4}	7.372	7.483	7.432	7.075	7.505	7.008	7.312	E2	2.95
14)	L3	Aroclor-1232 {5}	7.051	7.647	7.570	7.672	7.407	6.187	7.256	E2	7.87
15)	L4	Aroclor-1242 {1}	8.090	9.416	8.949	8.632	8.303	7.433	8.471	E2	8.18
16)	L4	Aroclor-1242 {2}	0.984	1.012	1.020	1.034	1.004	0.936	0.999	E3	3.47
17)	L4	Aroclor-1242 {3}	0.870	1.128	1.049	0.984	0.913	0.770	0.952	E3	13.52
18)	L4	Aroclor-1242 {4}	1.497	1.694	1.658	1.614	1.547	1.409	1.570	E3	6.80
19)	L4	Aroclor-1242 {5}	1.311	1.581	1.457	1.449	1.368	1.180	1.391	E3	9.93
20)	L5	Aroclor-1248 {1}	3.172	3.830	3.608	3.332	3.254	2.892	3.348	E3	9.89
21)	L5	Aroclor-1248 {2}	1.842	2.635	2.309	2.013	1.931	1.635	2.061	E3	17.35
22)	L5	Aroclor-1248 {3}	2.378	4.229	3.201	2.644	2.515	2.133	2.850	E3	26.80
23)	L5	Aroclor-1248 {4}	2.646	3.392	2.957	2.810	2.747	2.435	2.831	E3	11.49
24)	L5	Aroclor-1248 {5}	3.422	4.398	3.746	3.490	3.558	3.159	3.629	E3	11.65
25)	L6	Aroclor-1254 {1}	2.407	3.202	2.907	2.689	2.495	2.190	2.648	E3	13.79
26)	L6	Aroclor-1254 {2}	2.631	3.657	3.214	2.942	2.731	2.433	2.935	E3	15.13
27)	L6	Aroclor-1254 {3}	1.990	2.267	2.105	2.090	2.019	1.876	2.058	E3	6.39
28)	L6	Aroclor-1254 {4}	3.178	3.453	3.562	3.410	3.241	2.822	3.278	E3	8.05
29)	L6	Aroclor-1254 {5}	1.851	2.207	2.075	1.991	1.883	1.622	1.938	E3	10.43
30)	L7	Aroclor-1260 {1}	3.518	4.216	4.405	3.611	3.618	3.157	3.754	E3	12.43
31)	L7	Aroclor-1260 {2}	4.277	5.065	5.189	4.404	4.427	3.871	4.539	E3	11.00
32)	L7	Aroclor-1260 {3}	5.791	6.034	6.410	5.568	5.860	5.043	5.784	E3	7.94
33)	L7	Aroclor-1260 {4}	3.600	4.021	4.169	3.668	3.682	3.153	3.716	E3	9.57
34)	L7	Aroclor-1260 {5}	3.601	3.872	3.920	3.581	3.630	3.340	3.657	E3	5.81
35)	L8	Aroclor-1262 {1}	3.703						3.703	E3	0.00

Response Factor Report GC-5

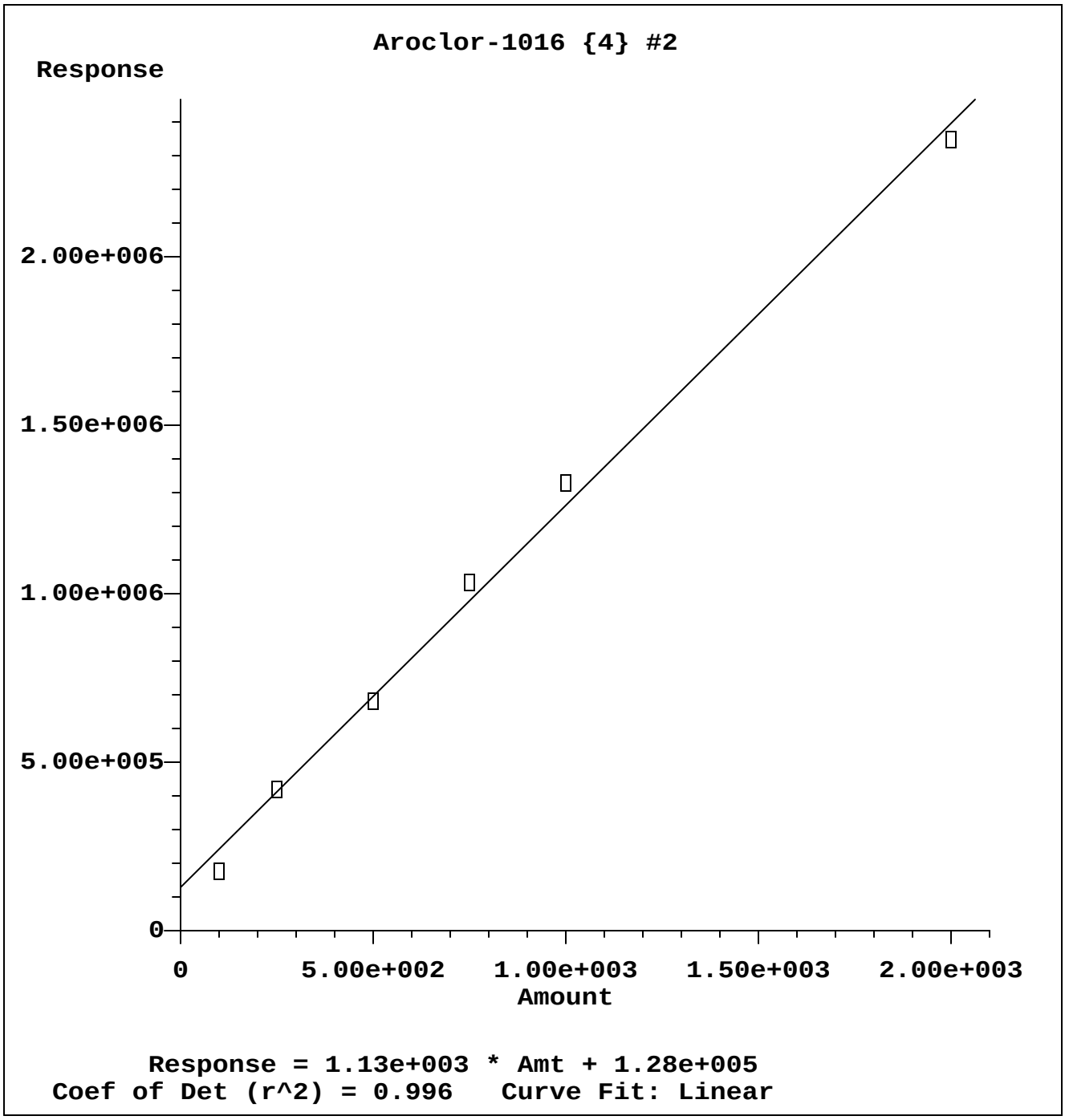
Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chemstat
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004

Calibration Files
5 =54060307.D 1 =54060303.D 2 =54060304.D
3 =54060305.D 4 =54060306.D 6 =54060308.D

		Compound	5	1	2	3	4	6	Avg	%RSD
36)	L8	Aroclor-1262 {2}	3.169						3.169 E3	0.00
37)	L8	Aroclor-1262 {3}	6.783						6.783 E3	0.00
38)	L8	Aroclor-1262 {4}	5.036						5.036 E3	0.00
39)	L8	Aroclor-1262 {5}	2.979						2.979 E3	0.00
40)	L9	Aroclor-1268 {1}				2.322			2.322 E3	0.00
41)	L9	Aroclor-1268 {2}				1.092			1.092 E4	0.00
42)	L9	Aroclor-1268 {3}				8.126			8.126 E3	0.00
43)	L9	Aroclor-1268 {4}				3.497			3.497 E3	0.00
44)	L9	Aroclor-1268 {5}				2.096			2.096 E4	0.00
45)	S	DCB	7.359	9.077	8.704	7.779	7.626		8.109 E4	9.14



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



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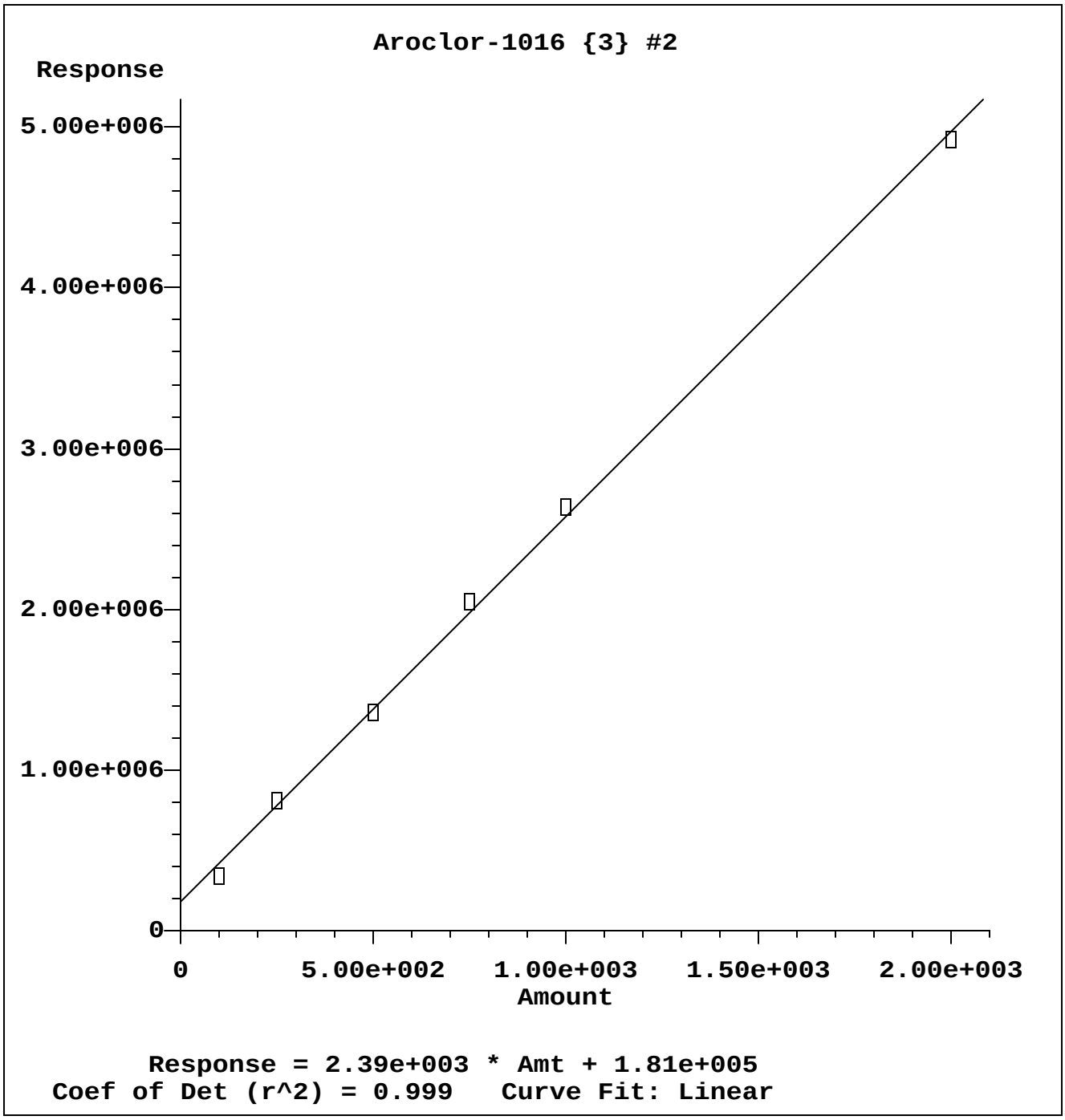
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



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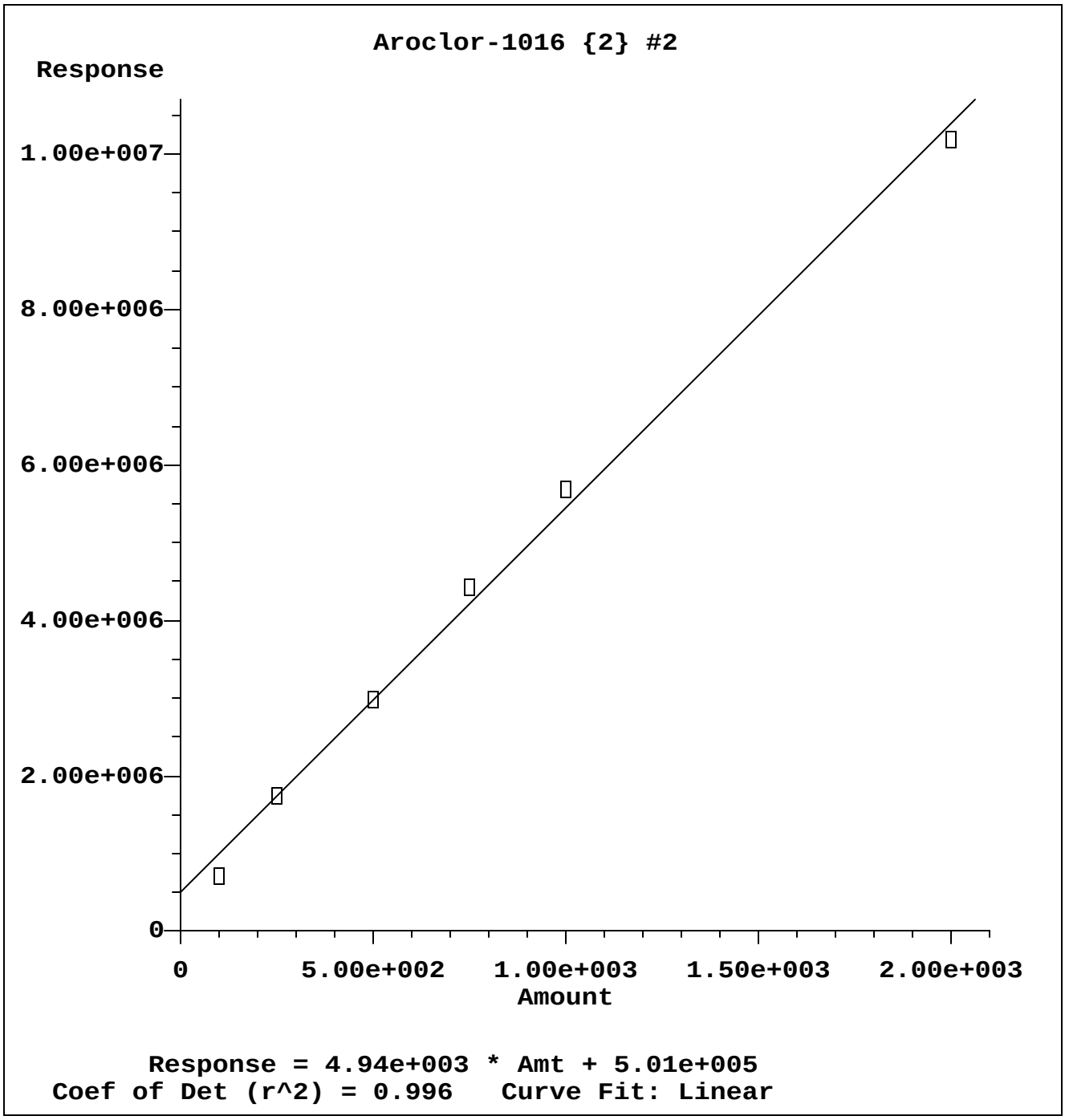
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



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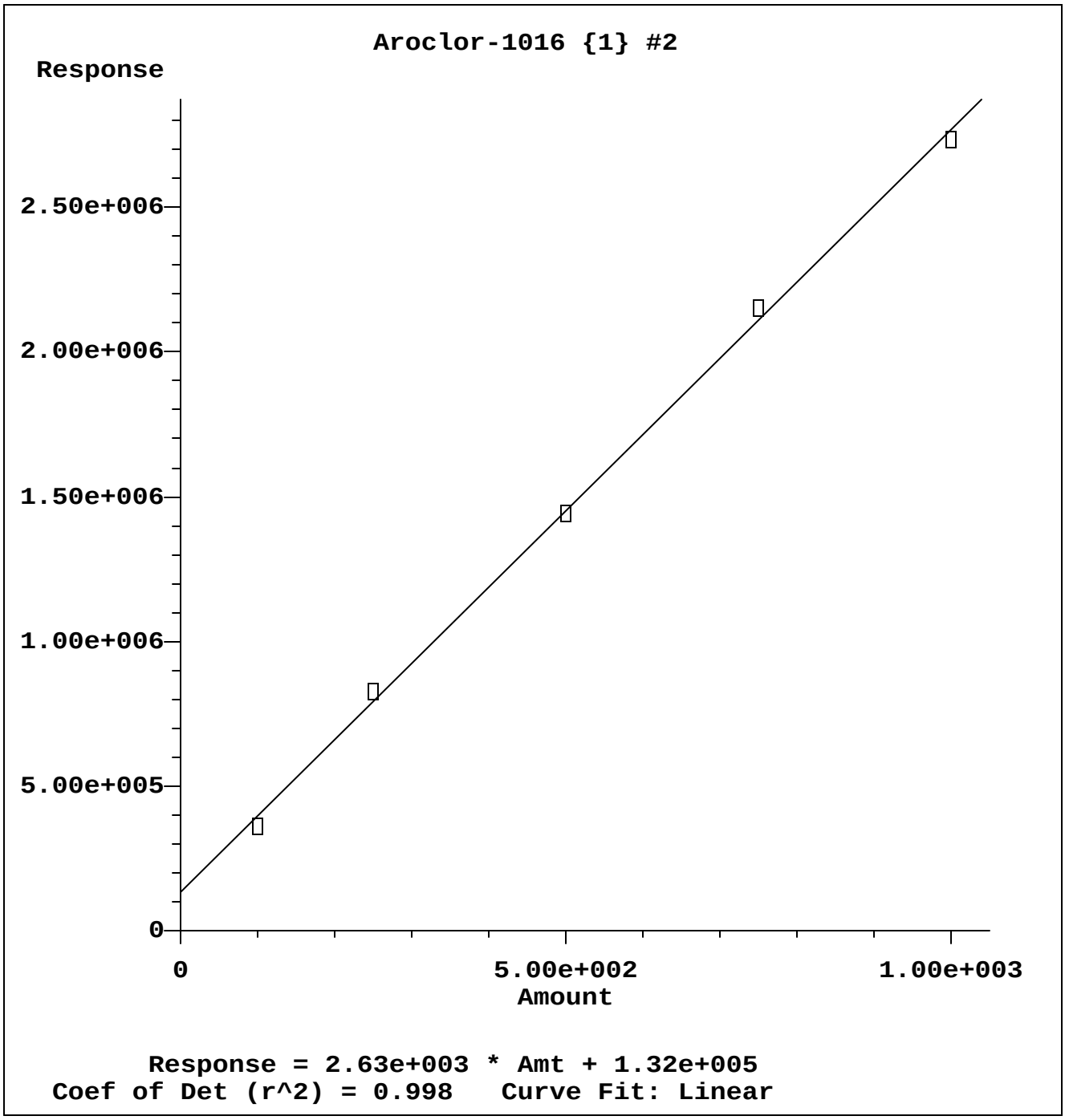
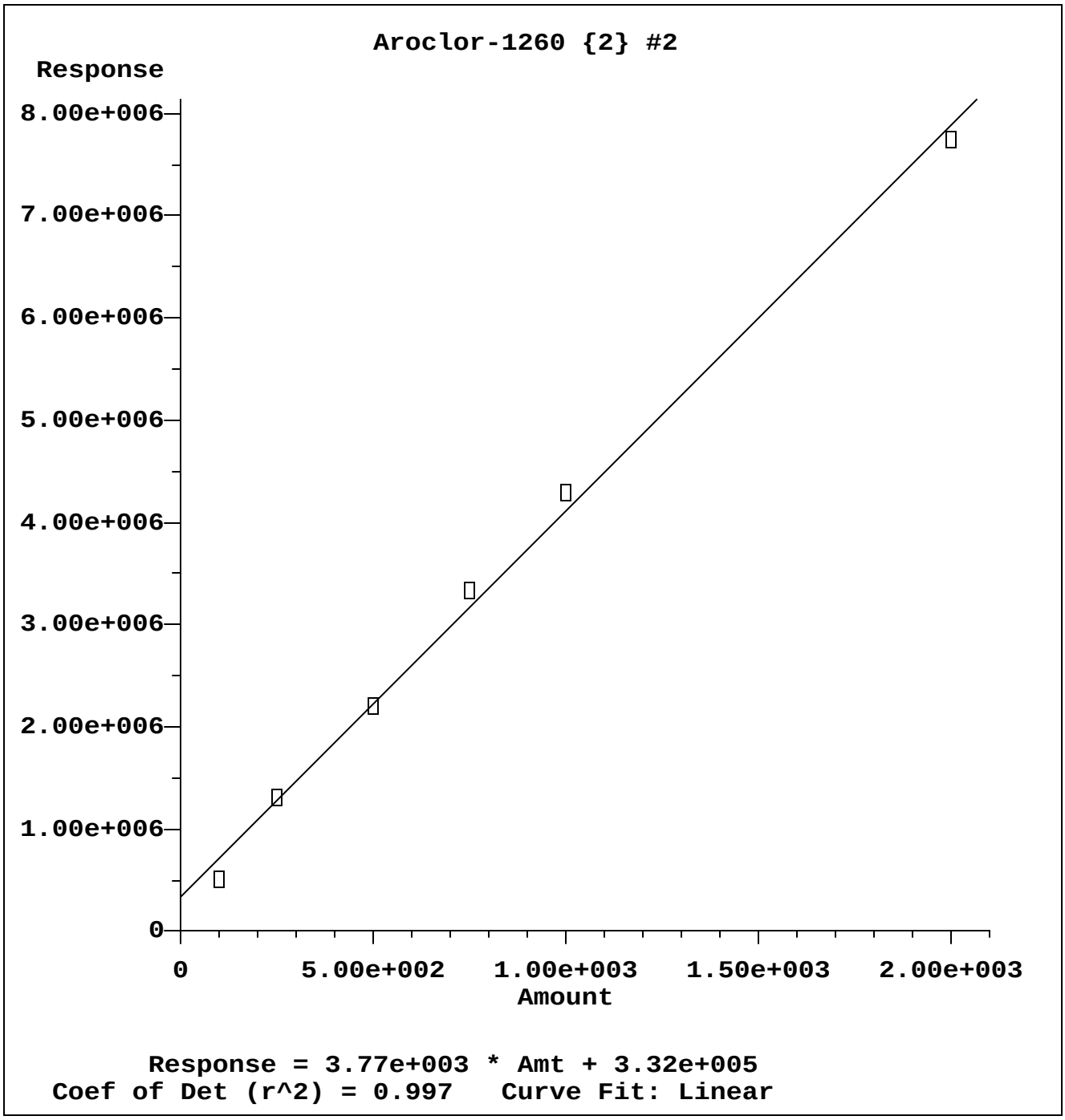
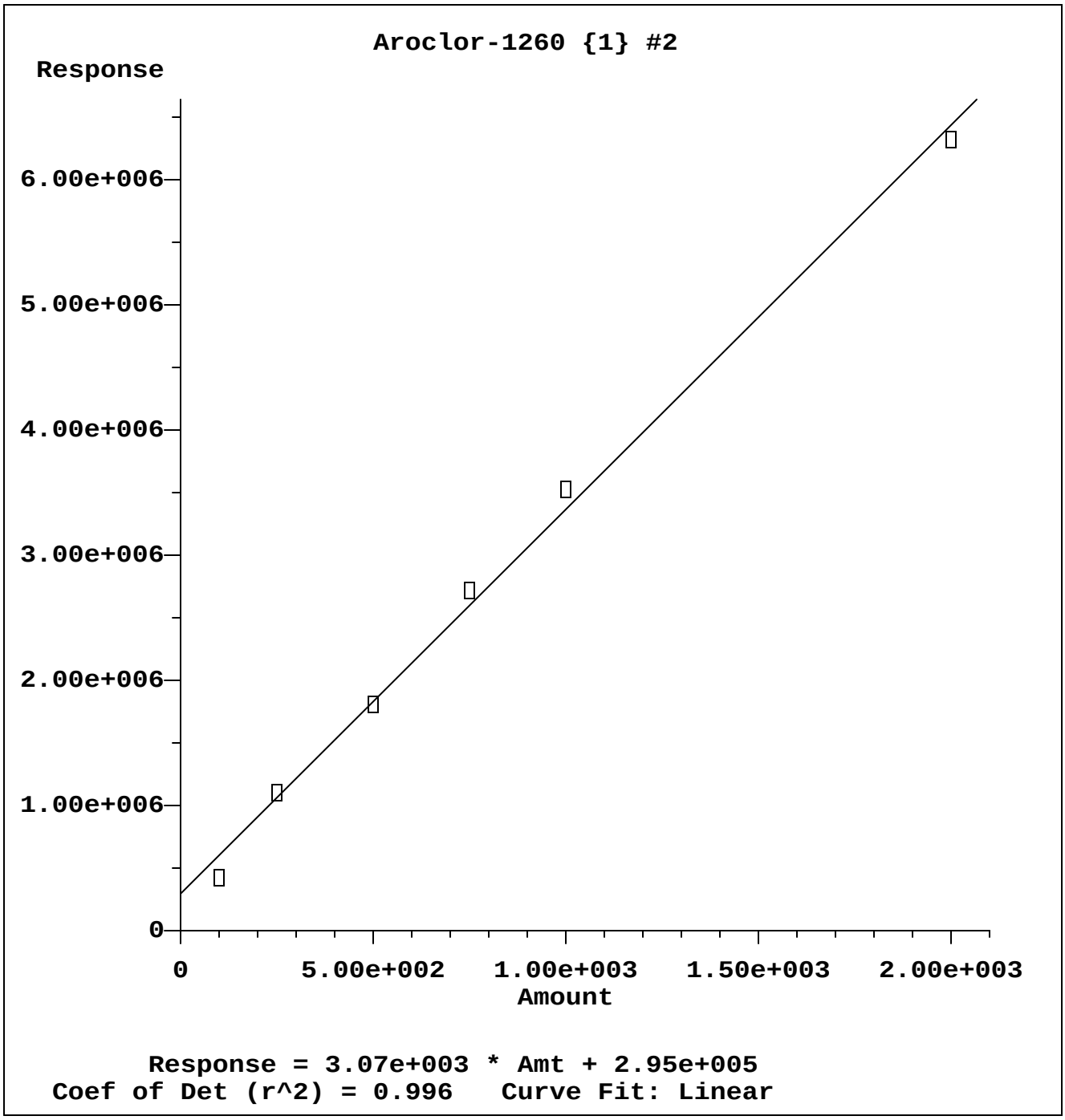
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M
Calibration Table Last Updated: Thu Jun 03 16:20:35 2004

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD1A.CH Vial: 25
Signal #2 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD2B.CH
Acq On : 3 Jun 2004 8:57 am Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 11:42 2004 Quant Results File: 5PCB4E26.RES

Quant Method : E:\HPCHEM\1...\5PCB4E26.M (Chemstation Integrator)
Title : PCB 5/26/04 Update AR1248 from 5PCB4E10.M
Last Update : Wed May 26 14:11:27 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

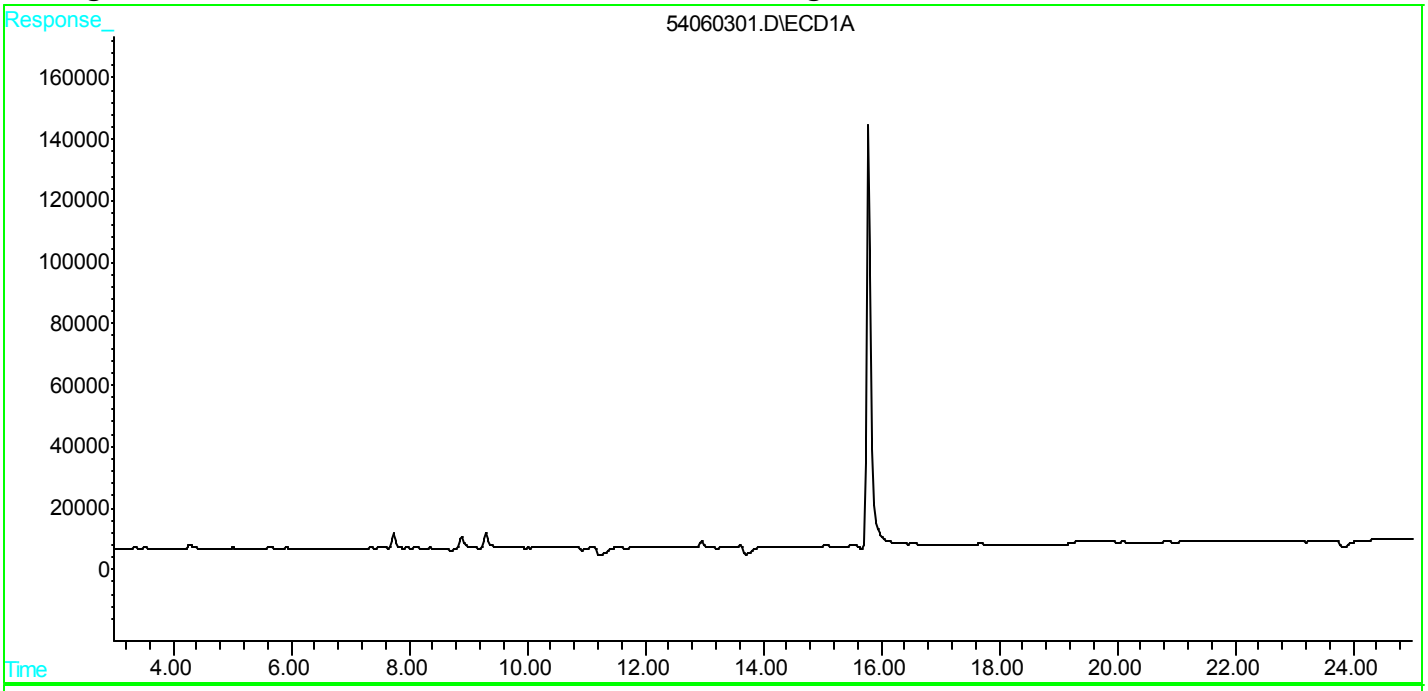
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

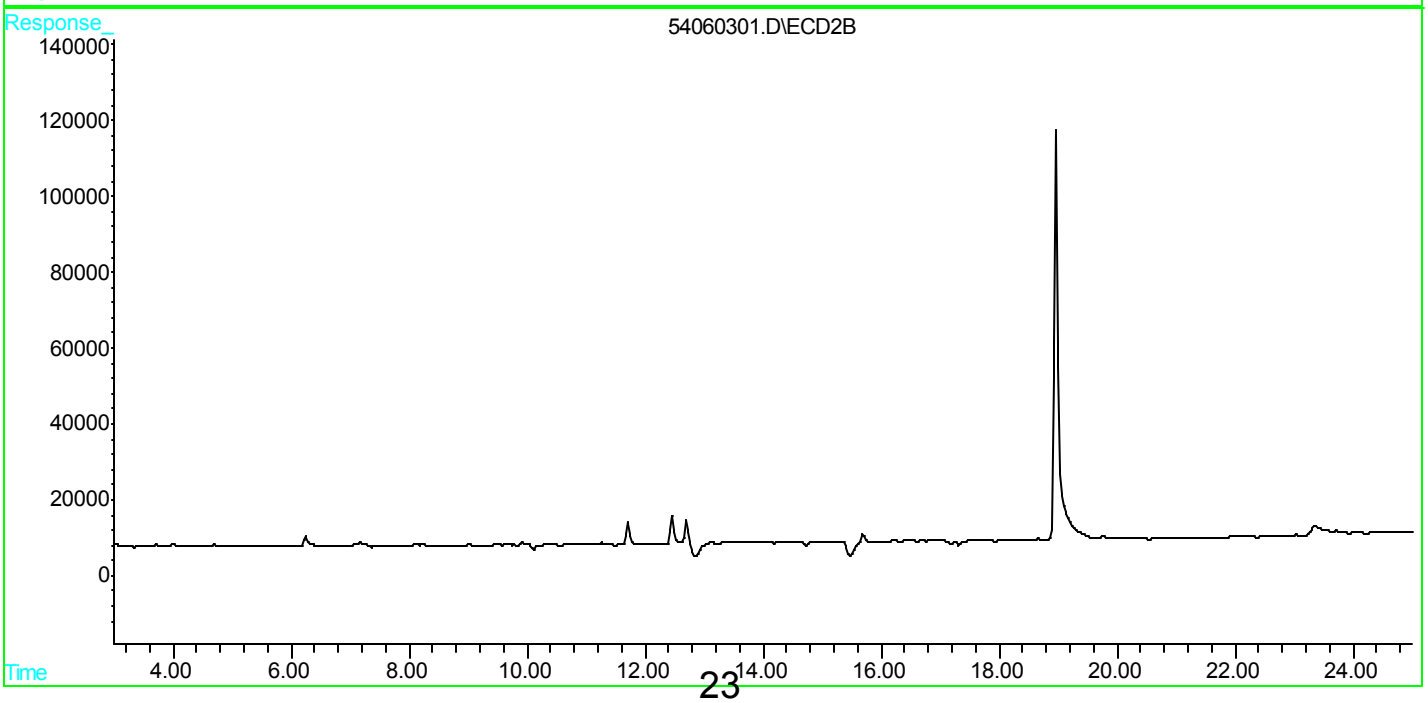
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD1A.CH Vial: 25
Signal #2 : E:\HPCHEM\1\DATA\540603\54060301.D\ECD2B.CH
Acq On : 3 Jun 2004 8:57 am Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 11:42 2004 Quant Results File: 5PCB4E26.RES

Quant Method : E:\HPCHEM\1...\5PCB4E26.M (Chemstation Integrator)
Title : PCB 5/26/04 Update AR1248 from 5PCB4E10.M
Last Update : Wed May 26 14:11:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD1A.CH Vial: 26
Signal #2 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD2B.CH
Acq On : 3 Jun 2004 10:11 am Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 10:56 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Jun 03 10:55:22 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

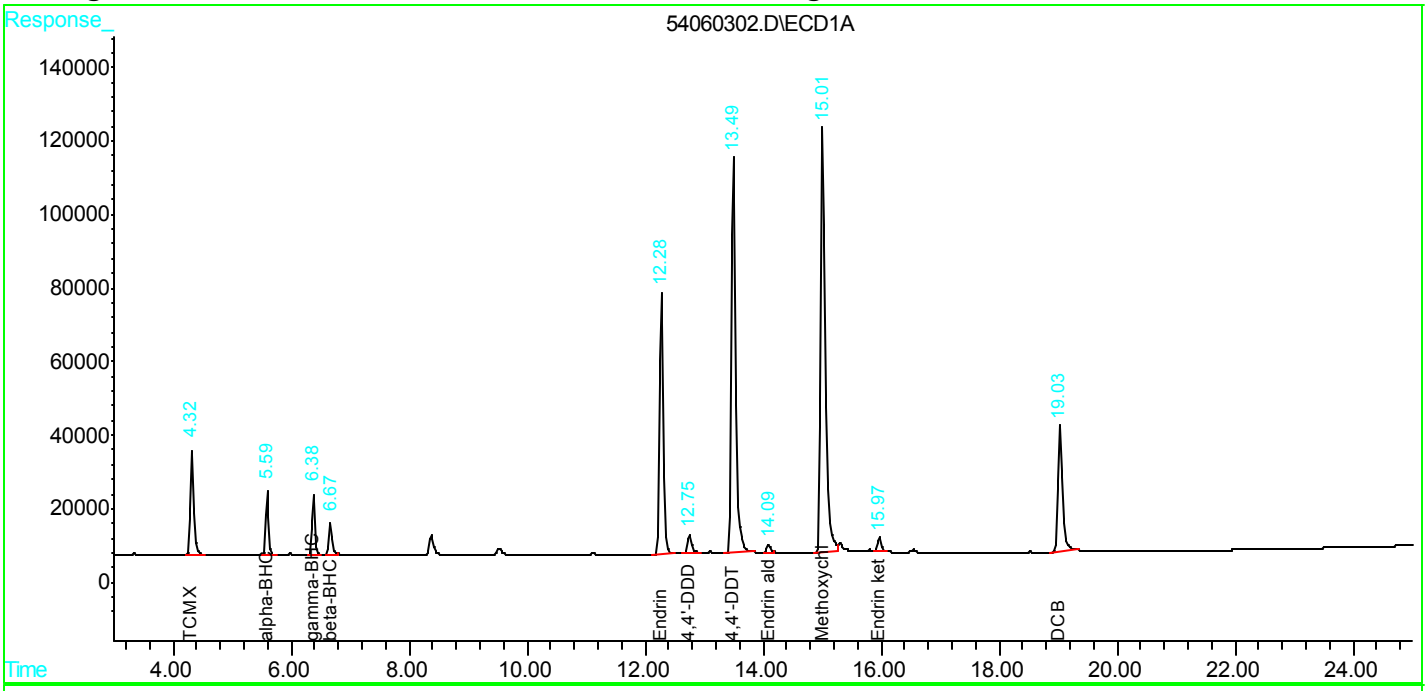
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.32	5.87	1123992	1488857	19.503	25.434 #
	Spiked Amount 50.000	Range 30 - 150		Recovery =		39.01%	50.87%
32)	SA DCB	19.03	22.56	1855962	1703681	13.684	16.355
	Spiked Amount 50.000	Range 30 - 150		Recovery =		27.37%#	32.71%
	Target Compounds						
2)	A alpha-BHC	5.59	7.62	550729	826627	9.230	11.170
3)	MA gamma-BHC	6.38	8.67	541086	815357	9.049	11.361 #
6)	B beta-BHC	6.67	8.97	323654	461570	9.197m	10.512
14)	MA Endrin	12.28	15.18	2970623	3050634	47.907	50.398
16)	A 4,4'-DDD	12.75	15.71	254195	326114	8.150	7.224
17)	MA 4,4'-DDT	13.50	16.57	5267949	4930203	93.007	97.459
18)	B Endrin aldehyde	14.09f	16.77f	98692	53826	1.706m	0.953m#
20)	A Methoxychlor	15.01	18.59	6512446	6331131	224.384	241.431
21)	B Endrin ketone	15.97f	18.97f	149353	244041	2.237m	3.712m#
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

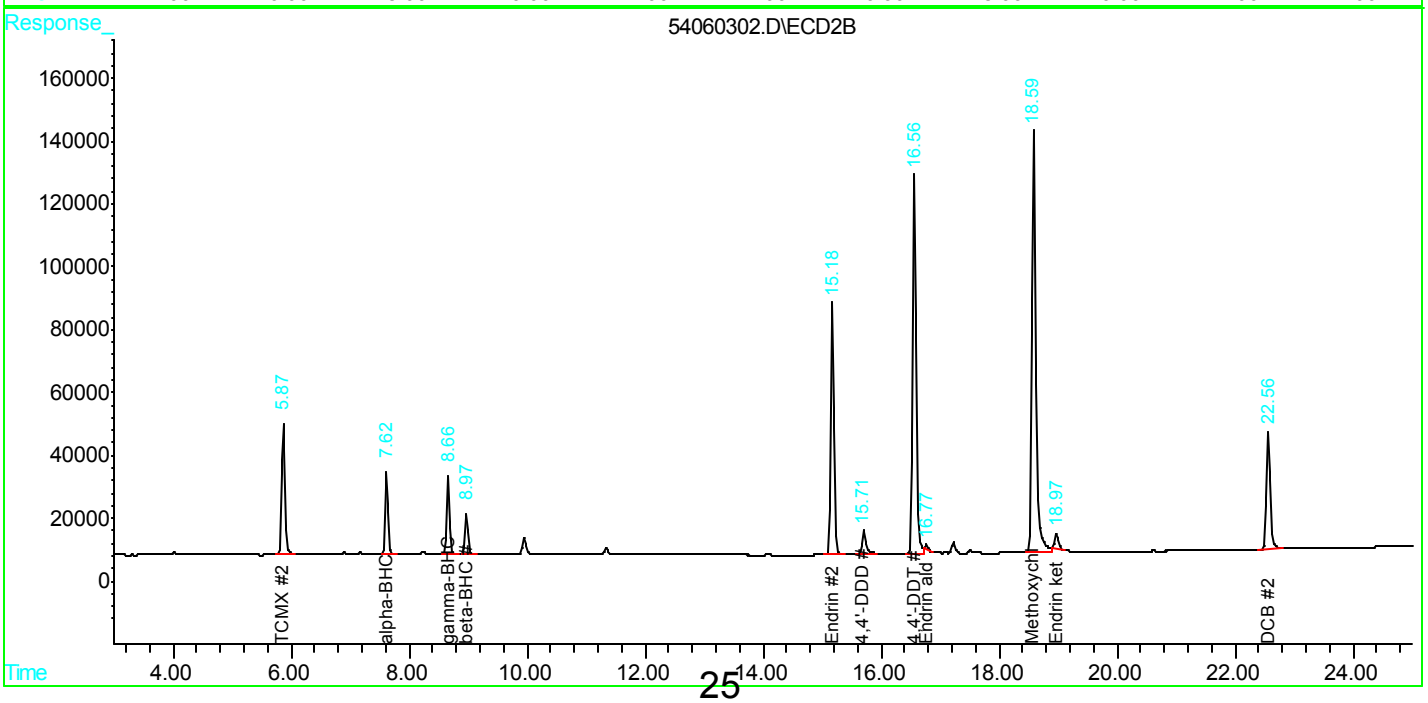
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060302.D 56084412.M Thu Jun 03 10:57:49 2004 Page 1

Signal #1 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD1A.CH Vial: 26
Signal #2 : E:\HPCHEM\1\DATA\540603\54060302.D\ECD2B.CH
Acq On : 3 Jun 2004 10:11 am Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 10:56 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Jun 03 10:55:22 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX	4.30	5.86	549962	731344	9.582m	10.409m
	Spiked Amount 50.000	Range 30 - 150		Recovery =		19.16%#	20.82%#
45) S	DCB	19.02	22.56	991037	907733	10.714m	11.228m
	Spiked Amount 50.000	Range 30 - 150		Recovery =		21.43%#	22.46%#
	Target Compounds						
2) L1	Aroclor-1016 {1}	5.99	8.39	308632	360418	55.625m	89.962m#
3) L1	Aroclor-1016 {2}	7.16	9.69	614524	711066	58.219m	42.639 #
4) L1	Aroclor-1016 {3}	7.50	10.06	230354	337545	103.412m	65.349 #
5) L1	Aroclor-1016 {4}	8.55	10.65	234140	177895	100.869m	43.864 #
6) L1	Aroclor-1016 {5}	10.28	11.73	129778	227322	83.614m	102.813
	Sum Aroclor-1016			1517428	1814246	401.740	344.626
Average	Aroclor-1016					80.348	68.925
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060303.D 5PCB4G03.M Thu Jun 03 16:27:13 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	L7 Aroclor-1260 {1}	11.83	14.95	432034	421583	61.713m	41.389	#
31)	L7 Aroclor-1260 {2}	12.61	15.56	725352	506459	43.457m	46.157	
32)	L7 Aroclor-1260 {3}	13.36	16.54	560390	603449	99.450m	104.325	
33)	L7 Aroclor-1260 {4}	14.34	16.80	326760	402112	67.695m	35.525	#
34)	L7 Aroclor-1260 {5}	15.99	17.61	267294	387212	85.431m	68.605	
	Sum Aroclor-1260			2311830	2320815	357.745	296.001	
	Average Aroclor-1260					71.549	59.200	
	Sum Aroclor-1262			0	0	N.D.	N.D.	
	Average Aroclor-1262					0.000	0.000	
	Sum Aroclor-1268			0	0	N.D.	N.D.	
	Average Aroclor-1268					0.000	0.000	

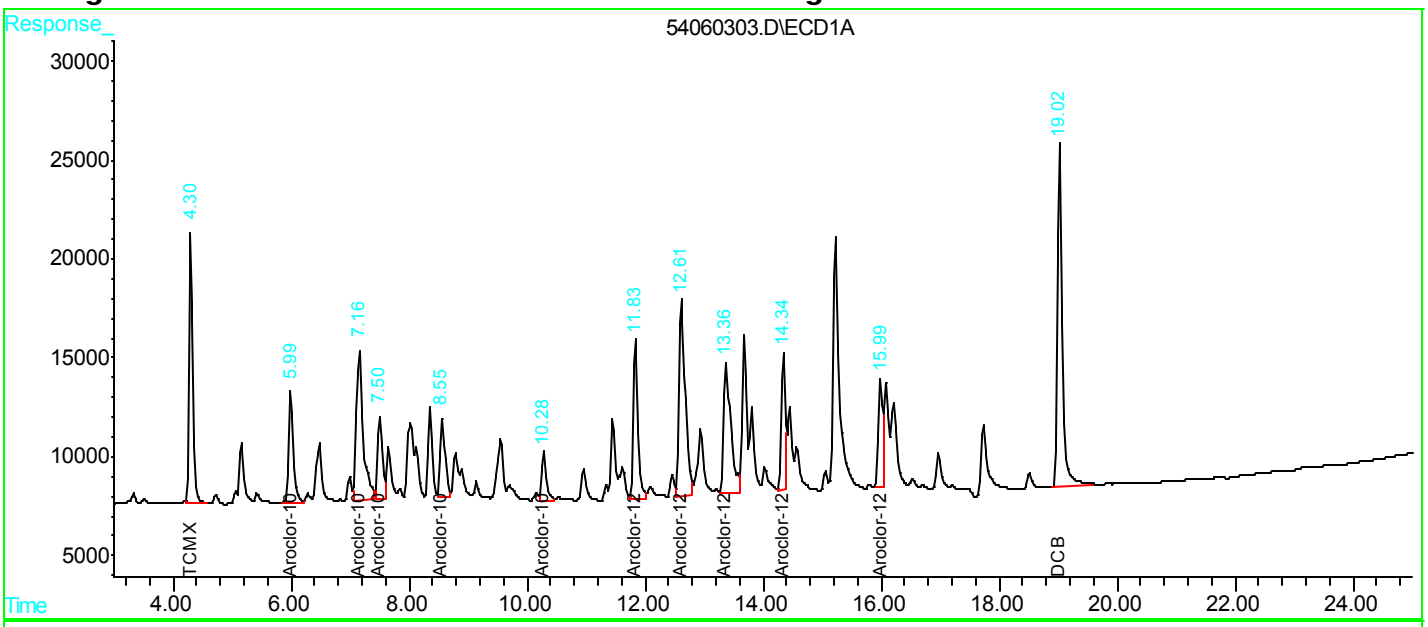
Quantitation Report

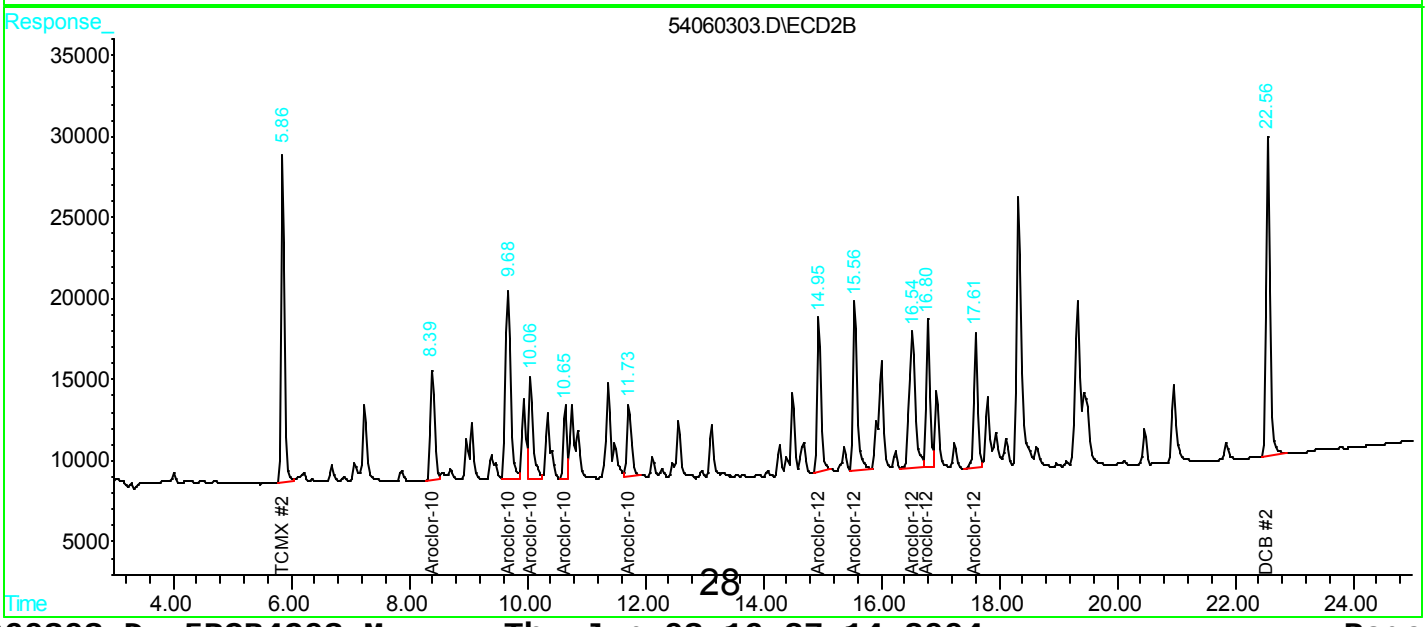
Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD1A.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060303.D\ECD2B.CH Vial: 27
Acq On : 3 Jun 2004 10:41 am Operator: WDP
Sample : 1660-01 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:05 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:02:26 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	1500258	1899735	26.018	26.915
Spiked Amount 50.000	Range 30 - 150		Recovery =		52.04%	53.83%
45) S DCB	19.03	22.56	2463214	2175921	26.319	26.833
Spiked Amount 50.000	Range 30 - 150		Recovery =		52.64%	53.67%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	720504	825519	243.773	263.315
3) L1 Aroclor-1016 {2}	7.16	9.68	1589532	1740125	250.212	251.070
4) L1 Aroclor-1016 {3}	7.50	10.06	618248	803562	275.079	260.052
5) L1 Aroclor-1016 {4}	8.55	10.65	630096	417265	268.731	255.074
6) L1 Aroclor-1016 {5}	10.28	11.73	309066	581998	244.483	263.226
Sum Aroclor-1016			3867447	4368470	1282.278	1292.738
Average Aroclor-1016					256.456	258.548
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060304.D 5PCB4G03.M Thu Jun 03 16:07:46 2004 Page 1

Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30) L7 Aroclor-1260 {1}	11.83	14.95	988826	1101346	233.318m	263.065
31) L7 Aroclor-1260 {2}	12.61	15.56	1837779	1297371	239.933	255.851
32) L7 Aroclor-1260 {3}	13.37	16.53	1510251	1602400	267.931	277.026
33) L7 Aroclor-1260 {4}	14.34	16.80	861476	1042270	241.341	243.027
34) L7 Aroclor-1260 {5}	15.99	17.61	717353	980025	230.334	248.035
Sum Aroclor-1260			5915686	6023411	1212.856	1287.004
Average Aroclor-1260					242.571	257.401
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

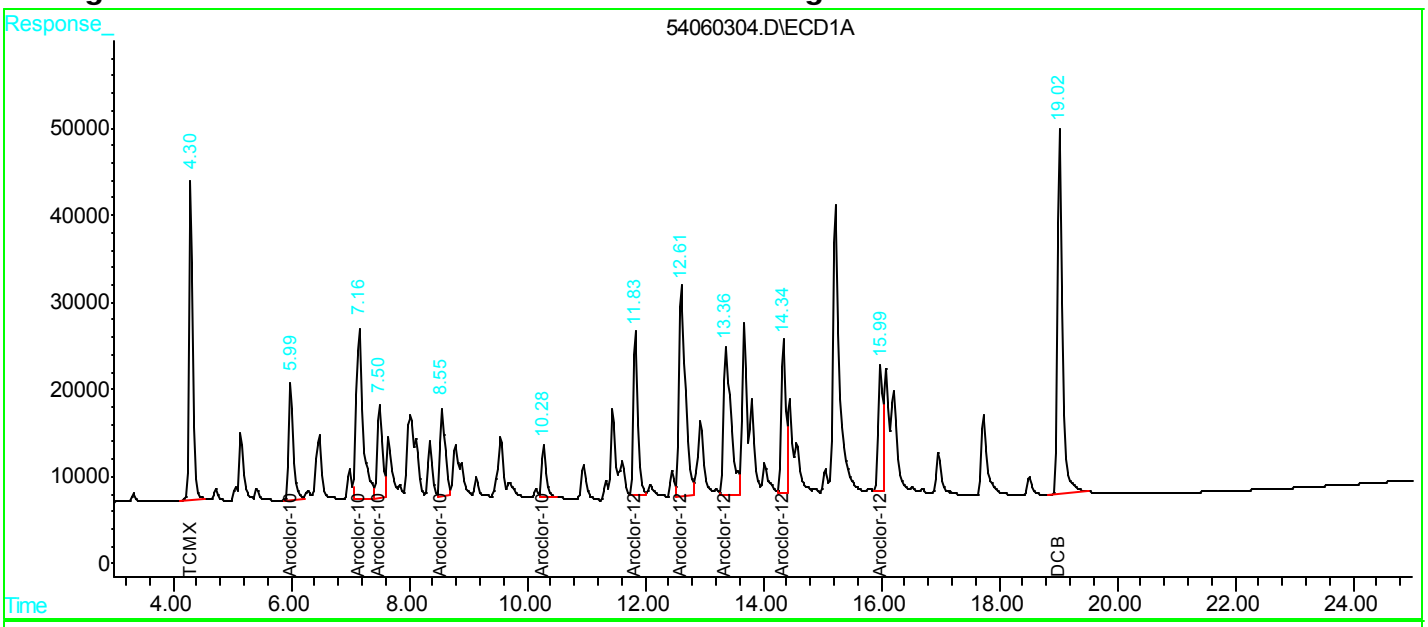
Quantitation Report

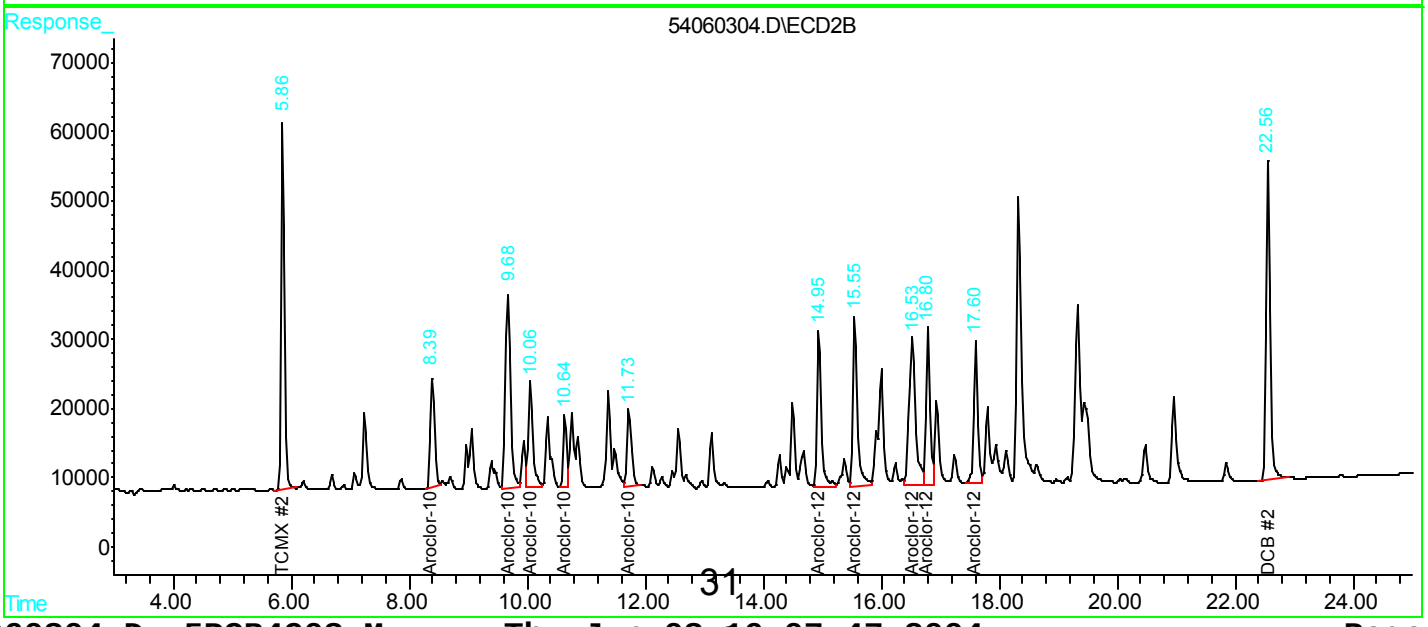
Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD1A.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540603\54060304.D\ECD2B.CH Vial: 28
Acq On : 3 Jun 2004 11:10 am Operator: WDP
Sample : 1660-02 4069 Inst : GC-5
Misc : Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 3 16:07 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:05:53 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	2871115	3494910	49.792	49.515
Spiked Amount 50.000	Range 30 - 150		Recovery =		99.58%	99.03%
45) S DCB	19.02	22.56	4534971	3889512	48.456	47.965
Spiked Amount 50.000	Range 30 - 150		Recovery =		96.91%	95.93%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1297272	1437523	510.746	495.810
3) L1 Aroclor-1016 {2}	7.16	9.68	2817453	2973887	493.925	500.962
4) L1 Aroclor-1016 {3}	7.49	10.06	1100915	1360746	489.833	492.846
5) L1 Aroclor-1016 {4}	8.55	10.64	1129299	679738	481.637	486.669
6) L1 Aroclor-1016 {5}	10.28	11.73	555552	1040073	465.566	470.405
Sum Aroclor-1016			6900491	7491968	2441.707	2446.693
Average Aroclor-1016					488.341	489.339
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	1848023	1805334	503.211	492.641
31) L7 Aroclor-1260 {2}	12.61	15.55	3352484	2201977	507.141	495.689
32) L7 Aroclor-1260 {3}	13.36	16.53	2822910	2783999	500.807	481.303
33) L7 Aroclor-1260 {4}	14.34	16.80	1681229	1834218	506.995	499.732
34) L7 Aroclor-1260 {5}	15.98	17.60	1717942	1790633	551.611	493.385

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

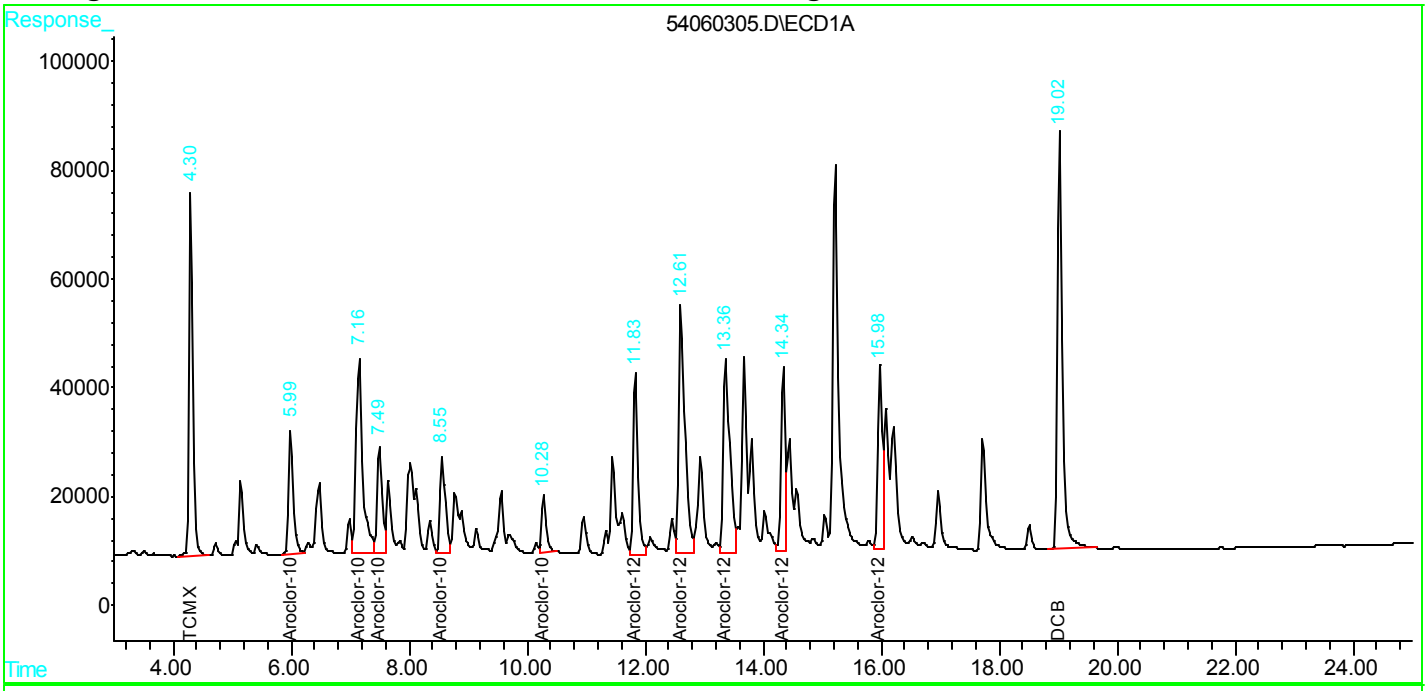
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			11422589	10416162	2569.765	2462.750
Average Aroclor-1260					513.953	492.550
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

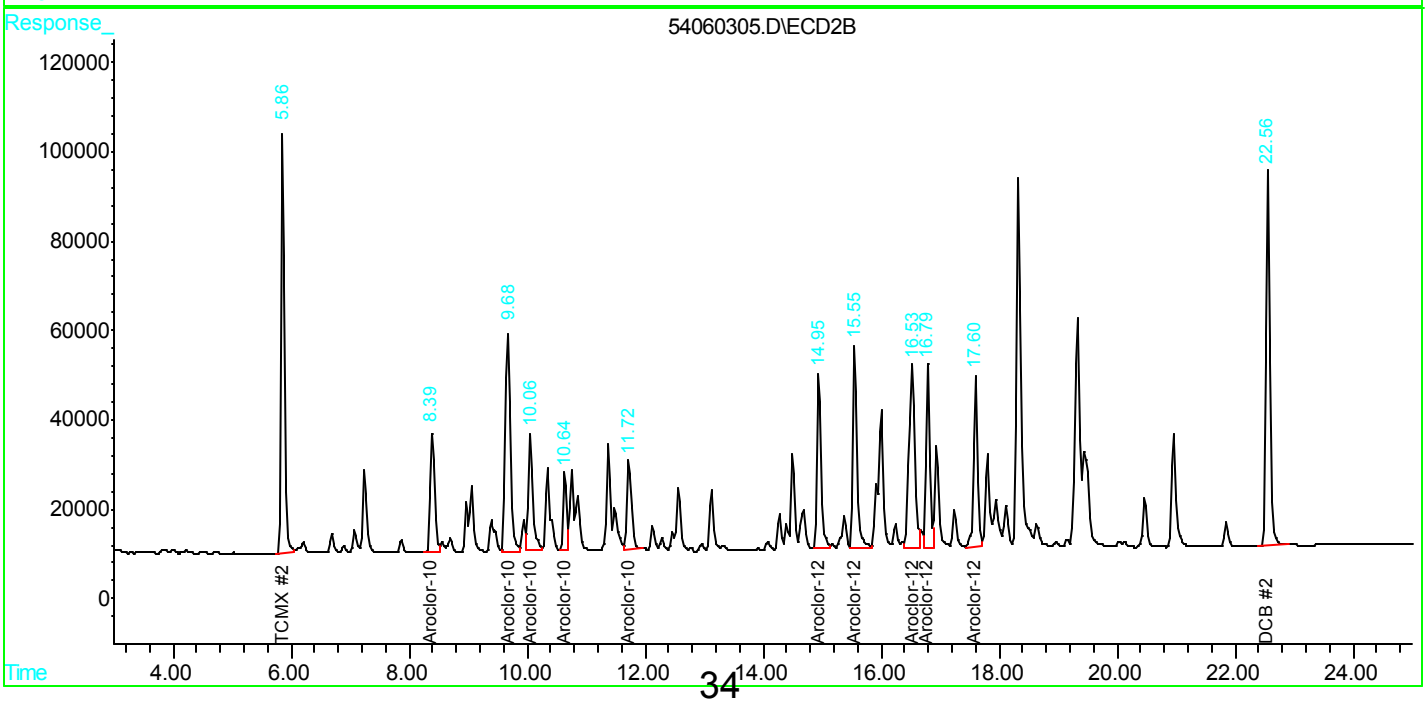
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD1A.CH Vial: 29
Signal #2 : E:\HPCHEM\1\DATA\540603\54060305.D\ECD2B.CH
Acq On : 3 Jun 2004 11:40 am Operator: WDP
Sample : 1660-03 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:08 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	4446727	5329923	77.118	75.513
Spiked Amount 50.000	Range 30 - 150		Recovery =		154.24%#	151.03%#
45) S DCB	19.03	22.56	6829526	5719873	72.973	70.537
Spiked Amount 50.000	Range 30 - 150		Recovery =		145.95%	141.07%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1898510	2150284	789.045	766.583
3) L1 Aroclor-1016 {2}	7.16	9.68	4305233	4423050	789.214	794.483
4) L1 Aroclor-1016 {3}	7.49	10.06	1698277	2043446	755.620	778.081
5) L1 Aroclor-1016 {4}	8.55	10.64	1807209	1033708	770.761	798.998
6) L1 Aroclor-1016 {5}	10.28	11.73	910092	1718692	783.567	777.331
Sum Aroclor-1016			10619321	11369180	3888.207	3915.476
Average Aroclor-1016					777.641	783.095
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	2775748	2713304	797.421	788.737
31) L7 Aroclor-1260 {2}	12.61	15.55	4984843	3320191	795.104	792.161
32) L7 Aroclor-1260 {3}	13.36	16.53	4240480	4394849	752.295	759.789
33) L7 Aroclor-1260 {4}	14.34	16.79	2510958	2761438	775.882	800.284
34) L7 Aroclor-1260 {5}	15.99	17.60	2360180	2722422	757.827	775.413

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060306.D 5PCB4G03.M Thu Jun 03 16:09:52 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

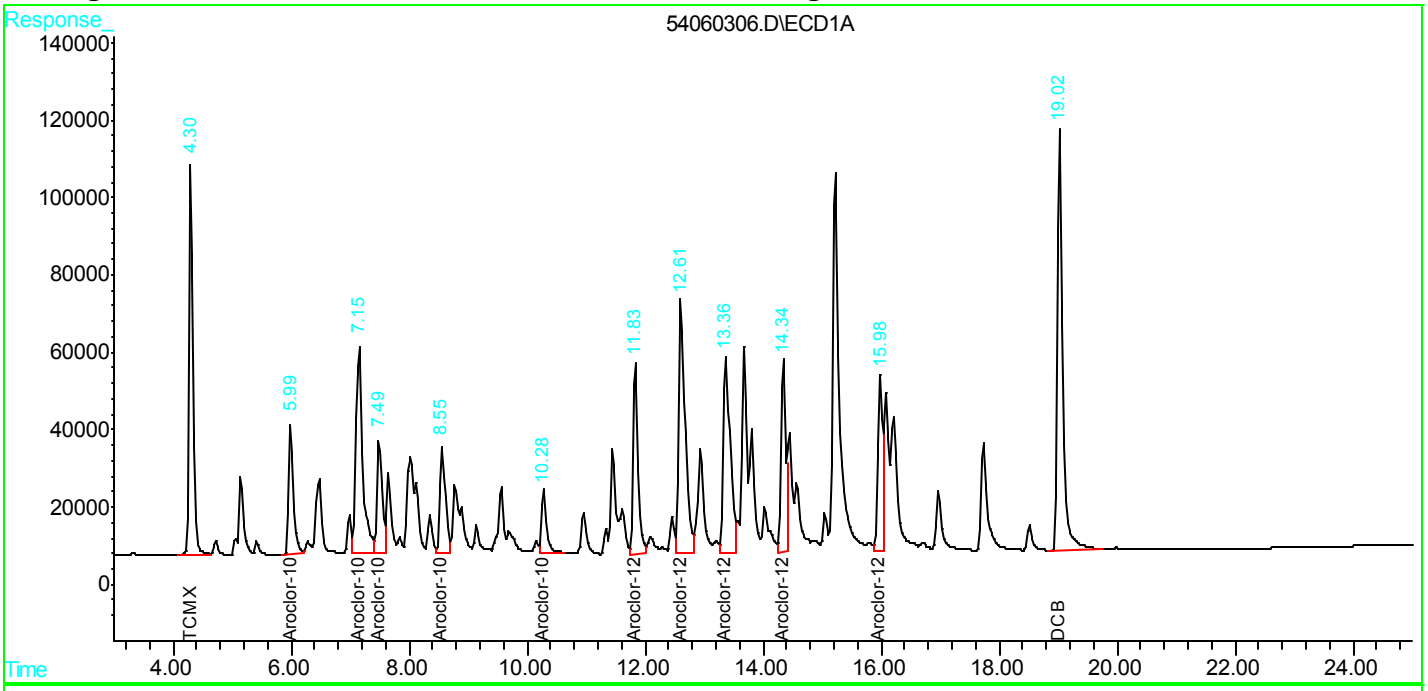
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			16872209	15912203	3878.529	3916.384
Average Aroclor-1260					775.706	783.277
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

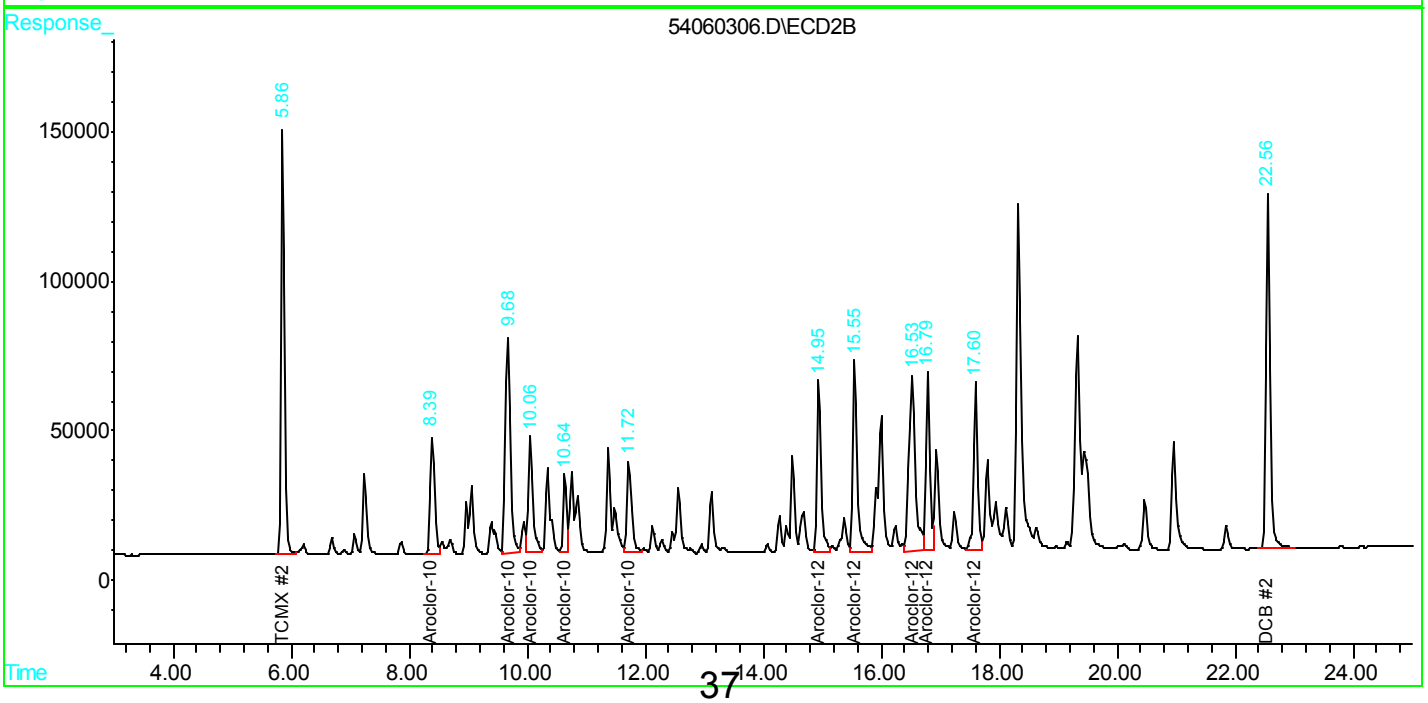
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD1A.CH Vial: 30
Signal #2 : E:\HPCHEM\1\DATA\540603\54060306.D\ECD2B.CH
Acq On : 3 Jun 2004 12:09 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:09 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	5890913	6934999	102.163	98.253
Spiked Amount 50.000	Range 30 - 150		Recovery =		204.33%#	196.51%#
45) S DCB	19.03	22.56	8855450	7358923	94.620	90.749
Spiked Amount 50.000	Range 30 - 150		Recovery =		189.24%#	181.50%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	2429941	2732248	1035.033	987.667
3) L1 Aroclor-1016 {2}	7.16	9.68	5578874	5684908	1042.002	1050.066
4) L1 Aroclor-1016 {3}	7.49	10.06	2209743	2631745	983.187	1023.875
5) L1 Aroclor-1016 {4}	8.56	10.65	2361429	1325576	1007.131	1056.529
6) L1 Aroclor-1016 {5}	10.28	11.73	1207550	2245915	1050.369	1015.784
Sum Aroclor-1016			13787537	14620391	5117.722	5133.921
Average Aroclor-1016					1023.544	1026.784
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	3593398	3517883	1056.722	1051.116
31) L7 Aroclor-1260 {2}	12.61	15.55	6472351	4276951	1057.514	1045.826
32) L7 Aroclor-1260 {3}	13.36	16.53	5606694	5790575	994.672	1001.084
33) L7 Aroclor-1260 {4}	14.34	16.79	3304365	3600472	1032.999	1072.251
34) L7 Aroclor-1260 {5}	15.99	17.60	3222303	3600700	1034.644	1041.245

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060307.D 5PCB4G03.M Thu Jun 03 16:10:47 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

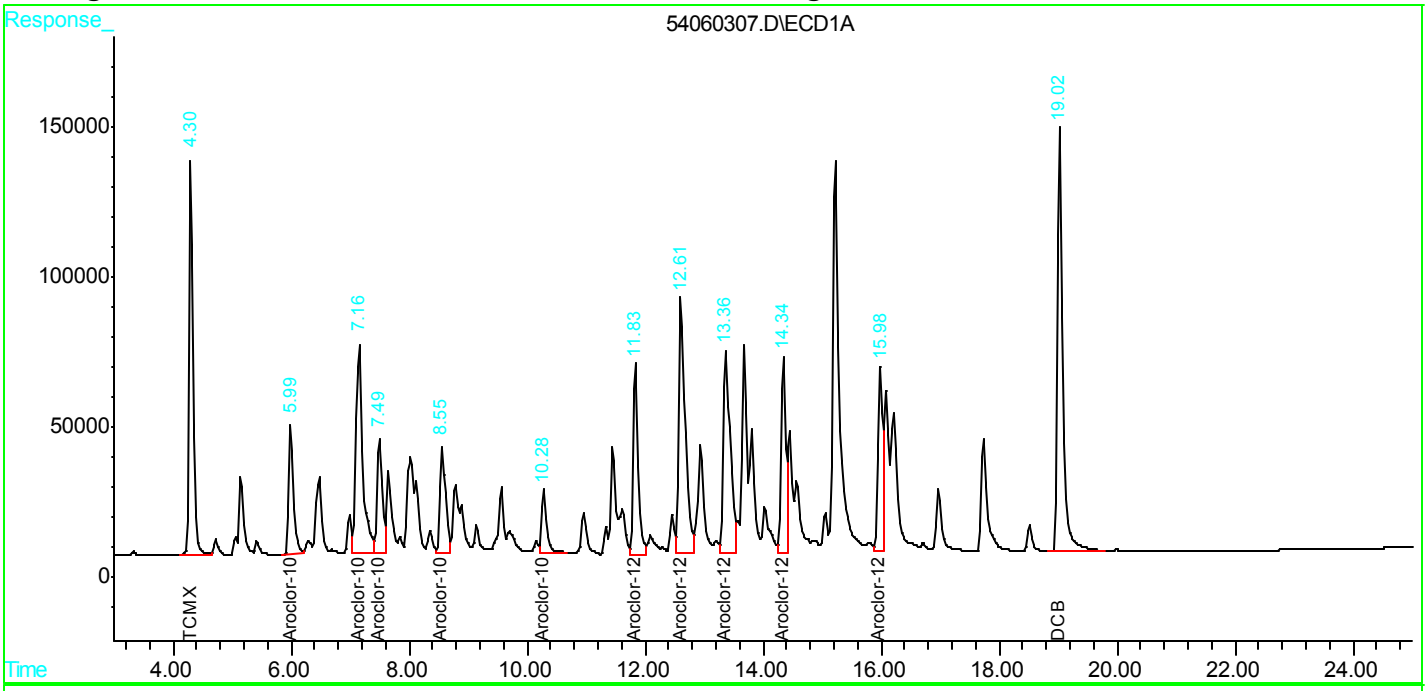
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			22199110	20786580	5176.551	5211.524
Average Aroclor-1260					1035.310	1042.305
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

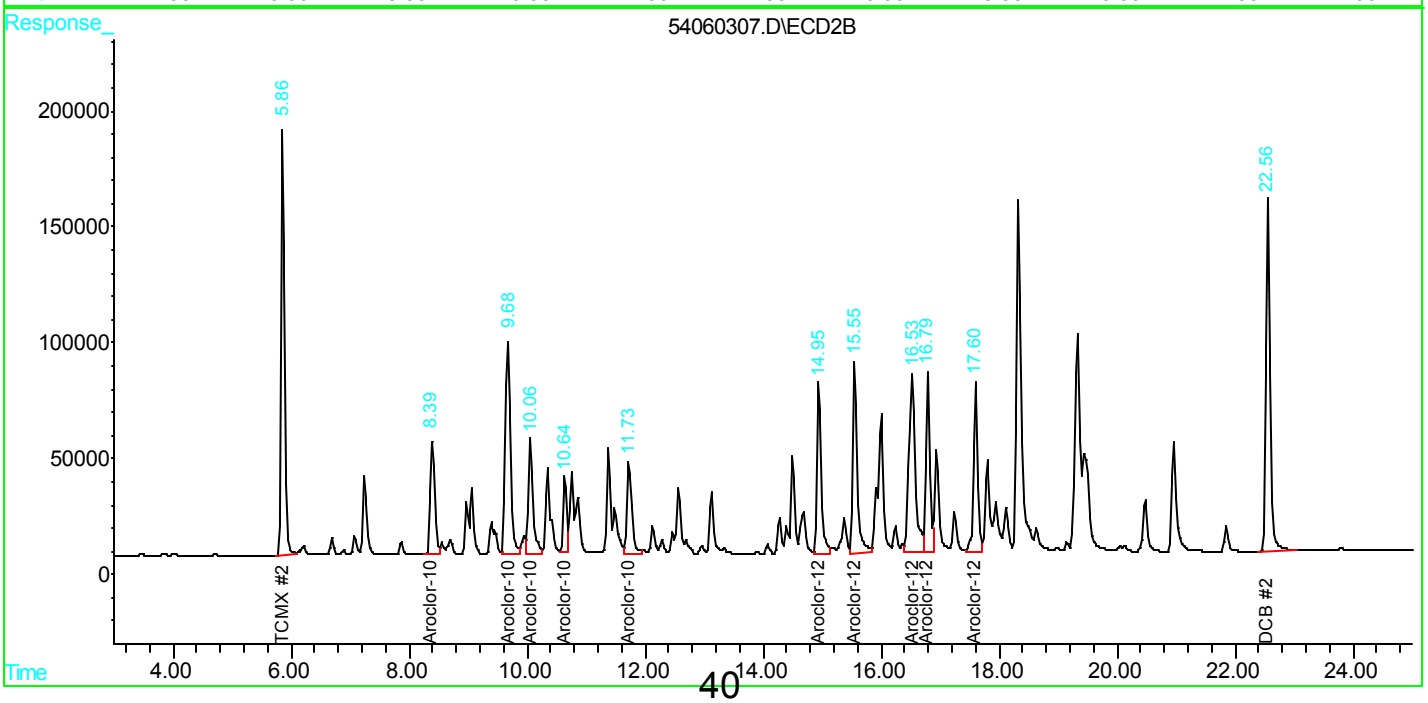
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD1A.CH Vial: 31
Signal #2 : E:\HPCHEM\1\DATA\540603\54060307.D\ECD2B.CH
Acq On : 3 Jun 2004 12:39 pm Operator: WDP
Sample : 1660-05 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:10 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	11068445	12812174	191.955	181.519
Spiked Amount 50.000	Range 30 - 150		Recovery =		383.91%#	363.04%#
45) S DCB	19.03	22.56	16258784	13330011	173.725	164.384
Spiked Amount 50.000	Range 30 - 150		Recovery =		347.45%#	328.77%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	4446121	4729851	1968.277	1746.541
3) L1 Aroclor-1016 {2}	7.15	9.68	10244168	10181265	1967.951	1960.780
4) L1 Aroclor-1016 {3}	7.49	10.06	4065400	4919709	1808.831	1979.796
5) L1 Aroclor-1016 {4}	8.55	10.64	4353651	2348219	1856.799	1958.867
6) L1 Aroclor-1016 {5}	10.28	11.72	2235459	4094473	1972.342	1851.852
Sum Aroclor-1016			25344800	26273517	9574.200	9497.836
Average Aroclor-1016					1914.840	1899.567
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	6434599	6314308	1957.753	1963.053
31) L7 Aroclor-1260 {2}	12.61	15.55	11569046	7741250	1956.618	1964.315
32) L7 Aroclor-1260 {3}	13.36	16.53	10537935	10086703	1869.513	1743.806
33) L7 Aroclor-1260 {4}	14.34	16.79	6210334	6305846	1974.725	1949.180
34) L7 Aroclor-1260 {5}	15.98	17.60	6677979	6680154	2144.223	1973.317

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060308.D 5PCB4G03.M Thu Jun 03 16:11:53 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

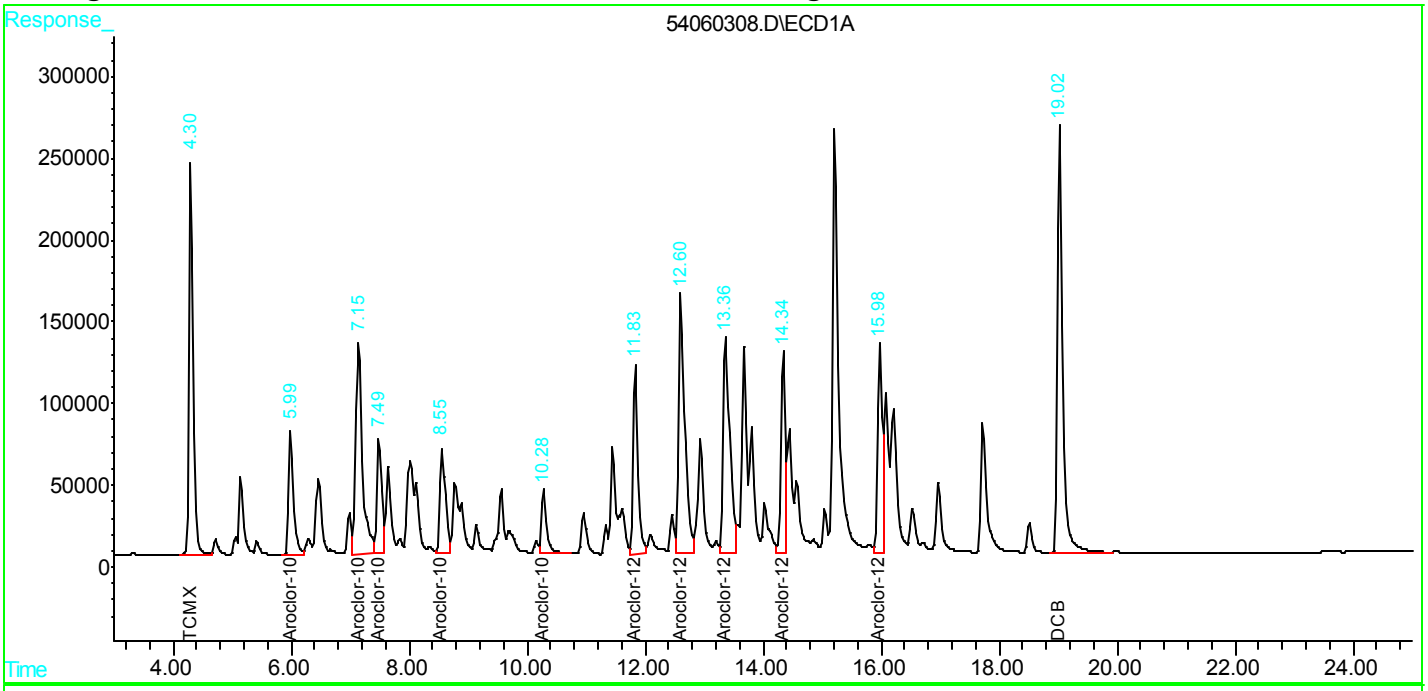
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			41429893	37128261	9902.832	9593.671
Average Aroclor-1260					1980.566	1918.734
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

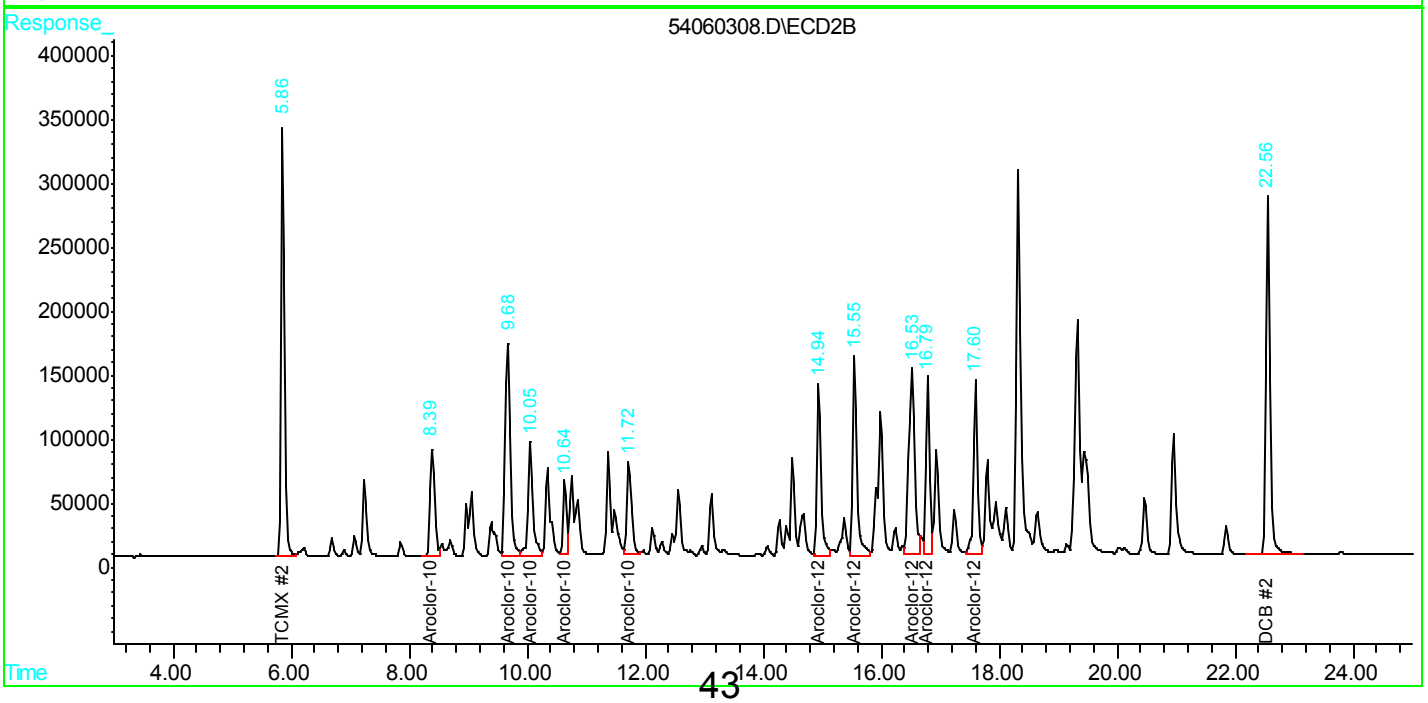
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD1A.CH Vial: 32
Signal #2 : E:\HPCHEM\1\DATA\540603\54060308.D\ECD2B.CH
Acq On : 3 Jun 2004 1:09 pm Operator: WDP
Sample : 1660-06 4069 Inst : GC-5
Misc : ICAL 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:11 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	2959422	3533635	51.324	50.063
Spiked Amount 50.000	Range 30 - 150		Recovery =		102.65%	100.13%
45) S DCB	19.03	22.56	4768907	4077965	50.956	50.289
Spiked Amount 50.000	Range 30 - 150		Recovery =		101.91%	100.58%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1384203	1582255	550.984	550.793
3) L1 Aroclor-1016 {2}	7.16	9.68	2961288	3187256	522.473m	544.179m
4) L1 Aroclor-1016 {3}	7.49	10.06	1184546	1374642	527.044m	498.652m
5) L1 Aroclor-1016 {4}	8.55	10.65	1179512	777753	503.053m	573.153
6) L1 Aroclor-1016 {5}	10.28	11.73	810434	1021592	694.180m	462.046m#
Sum Aroclor-1016			7519983	7943498	2797.733	2628.824
Average Aroclor-1016					559.547	525.765
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.95	1882394	2017100	514.111m	561.699m
31) L7 Aroclor-1260 {2}	12.61	15.55	3465884	2310578	527.146m	524.483m
32) L7 Aroclor-1260 {3}	13.36	16.53	3172828	3217624	562.885m	556.268m
33) L7 Aroclor-1260 {4}	14.34	16.79	1435642	1643990	427.409m	438.071m
34) L7 Aroclor-1260 {5}	15.99	17.60	1549616	1744626	497.564	479.460m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060309.D 5PCB4G03.M Thu Jun 03 16:14:57 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

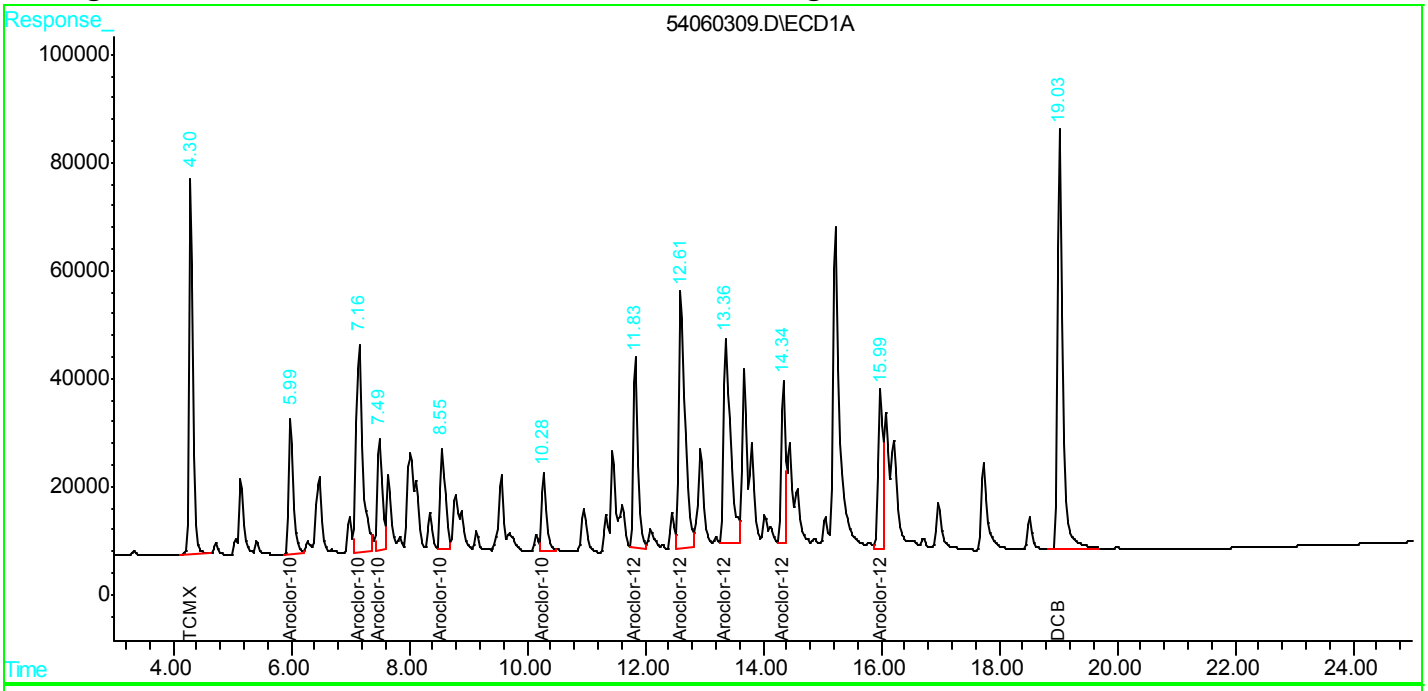
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			11506364	10933918	2529.114	2559.981
Average Aroclor-1260					505.823	511.996
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

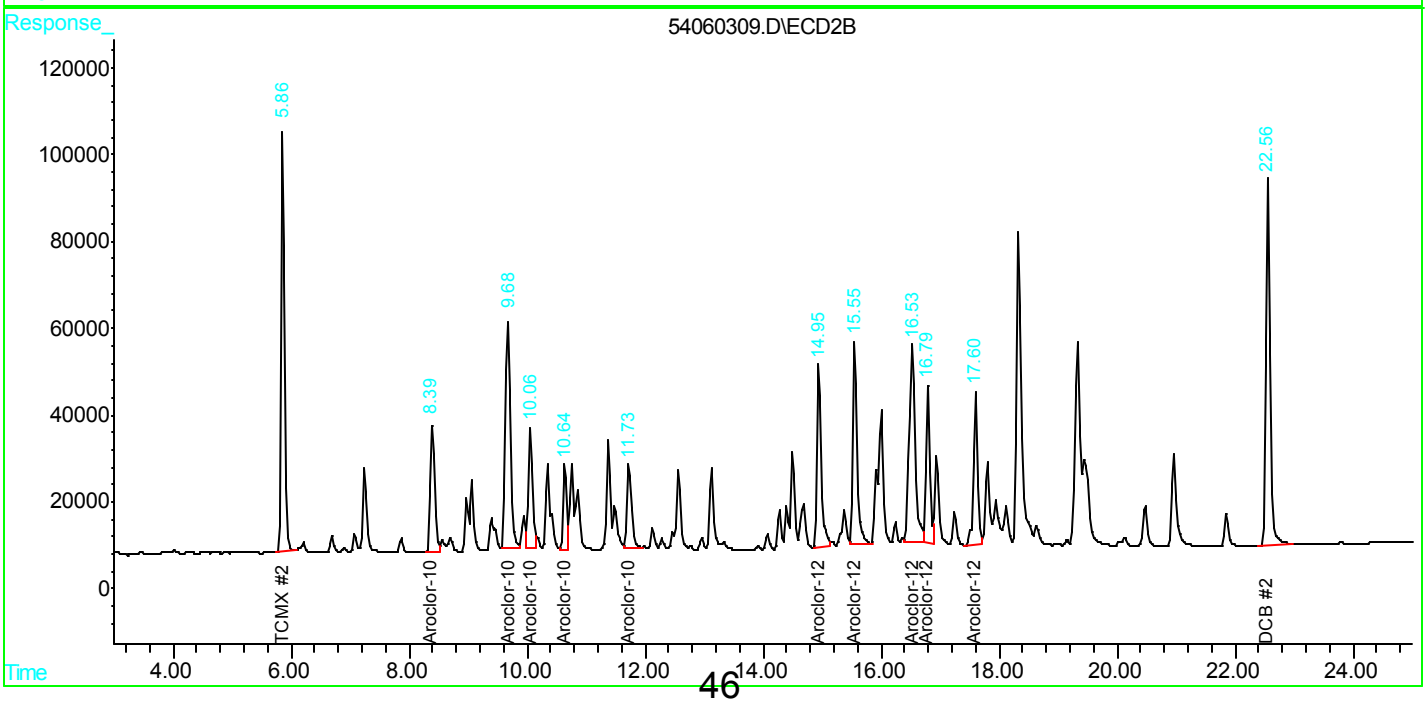
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD1A.CH Vial: 33
Signal #2 : E:\HPCHEM\1\DATA\540603\54060309.D\ECD2B.CH
Acq On : 3 Jun 2004 1:38 pm Operator: WDP
Sample : ICV 4070 Inst : GC-5
Misc : ICV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.30	5.86	4475083	5386254	77.609	76.311
Spiked Amount 50.000	Range 30 - 150		Recovery =		155.22%#	152.62%#
45) S DCB	19.03	22.56	6908888	5841049	73.821	72.031
Spiked Amount 50.000	Range 30 - 150		Recovery =		147.64%	144.06%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.99	8.39	1908936	2172605	793.871	775.062
3) L1 Aroclor-1016 {2}	7.16	9.68	4332693	4487401	794.664	807.517
4) L1 Aroclor-1016 {3}	7.49	10.06	1715144	2060598	763.124	785.248
5) L1 Aroclor-1016 {4}	8.55	10.64	1808497	1048462	771.310	812.016
6) L1 Aroclor-1016 {5}	10.28	11.73	914374	1700307	787.408	769.016
Sum Aroclor-1016			10679644	11469373	3910.377	3948.858
Average Aroclor-1016					782.075	789.772
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.83	14.94	2761242	2658646	792.821	770.912m
31) L7 Aroclor-1260 {2}	12.61	15.55	4982564	3131882	794.702	742.235m
32) L7 Aroclor-1260 {3}	13.36	16.53	4244015	4186096	752.922	723.699m
33) L7 Aroclor-1260 {4}	14.34	16.79	2518188	2818382	778.225	818.742
34) L7 Aroclor-1260 {5}	15.99	17.60	2371020	2772985	761.307	790.717

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060310.D 5PCB4G03.M Thu Jun 03 16:43:03 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

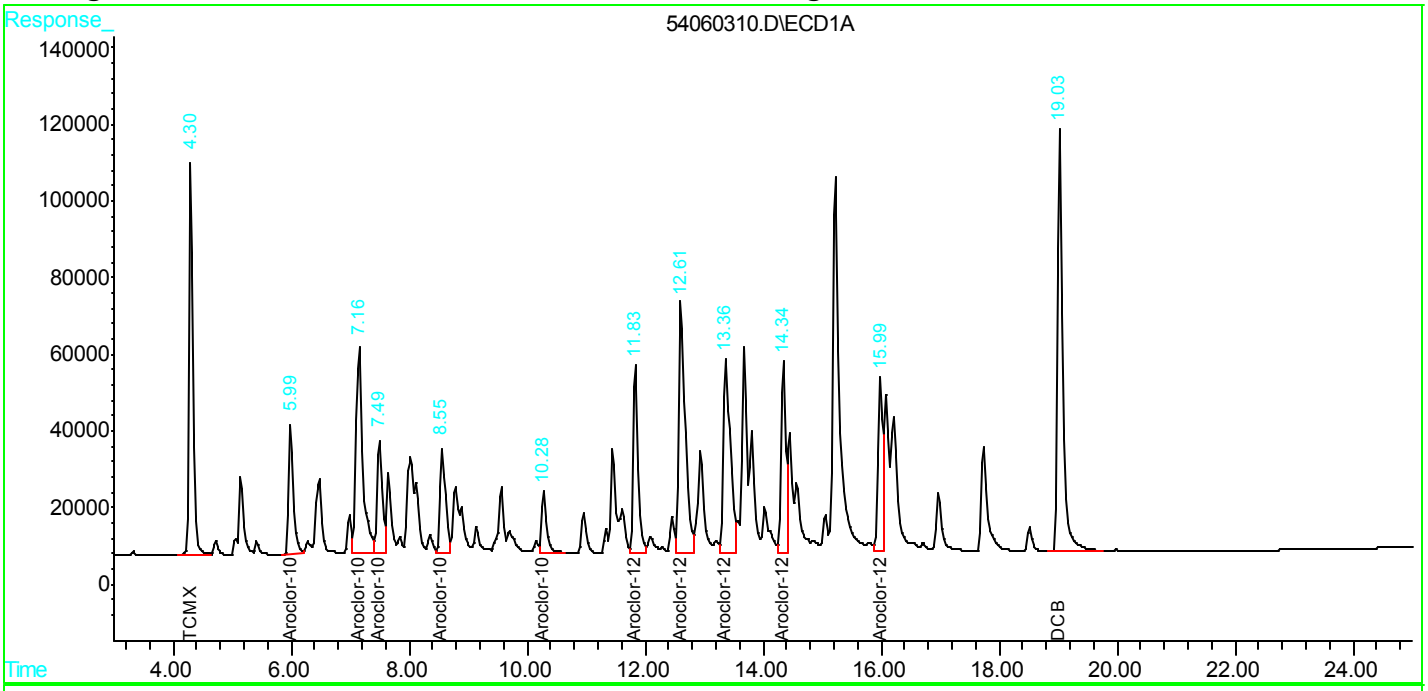
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			16877029	15567990	3879.977	3846.306
Average Aroclor-1260					775.995	769.261
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

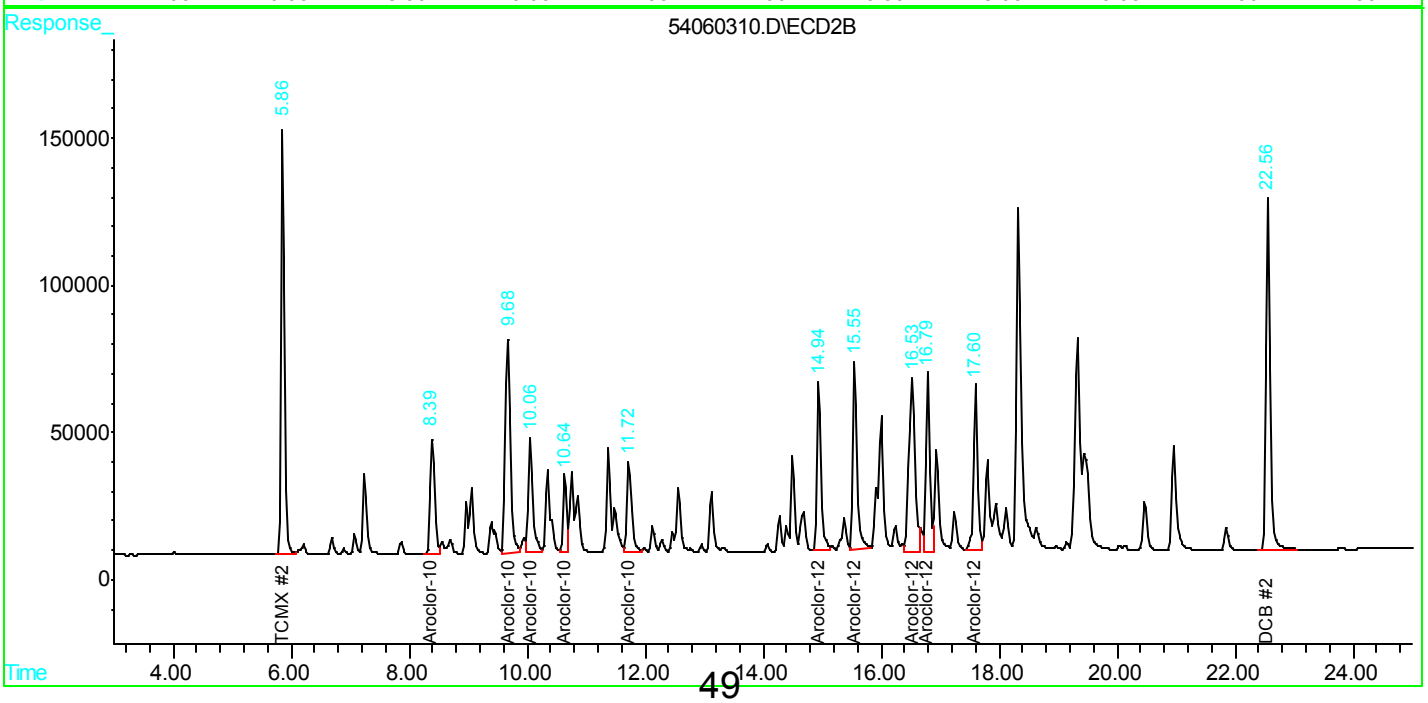
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD1A.CH Vial: 34
Signal #2 : E:\HPCHEM\1\DATA\540603\54060310.D\ECD2B.CH
Acq On : 3 Jun 2004 2:08 pm Operator: WDP
Sample : 1660-04 4069 Inst : GC-5
Misc : CCV 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 16:16 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Thu Jun 03 16:07:39 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Injection Log

Directory: E:\HPCHEM\1\DATA\540628B

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
1	1	54062851.D	1.	HEXANE		CCV 8081_TCL_S	28 Jun 2004 12:08
2	2	54062852.D	1.	PEM ECD4083		CCV 8081_TCL_S	28 Jun 2004 14:45
3	3	54062853.D	1.	INDA-06		CCV 8081_TCL_S	28 Jun 2004 15:15
4	4	54062854.D	1.	INDB-06		CCV 8081_TCL_S	28 Jun 2004 15:57
5	5	54062855.D	1.	TOX-06		CCV 8081_TCL_S	28 Jun 2004 16:26
6	6	54062856.D	1.	CHL-05		CCV 8081_TCL_S	28 Jun 2004 16:56
7	7	54062857.D	1.	MB-47153		MBLK 1311_P	28 Jun 2004 17:26
8	8	54062858.D	1.	LCS-47153-1		LCS 1311_P	28 Jun 2004 17:55
9	9	54062859.D	1.	LCS-47153-2		LCS 1311_P	28 Jun 2004 18:25
10	10	54062860.D	1.	0406C54-001A	47153	SAMP 1311_P	28 Jun 2004 18:55
11	11	54062861.D	1.	0406C54-001AMS-1	47153	MS 1311_P	28 Jun 2004 19:24
12	12	54062862.D	1.	0406C54-001AMS-2	47153	MS 1311_P	28 Jun 2004 19:54
13	13	54062863.D	1.	0406C83-001B	47153	SAMP 1311_P	28 Jun 2004 20:23
14	14	54062864.D	1.	MB-47170	47170	MBLK 8081_TCL_X	28 Jun 2004 20:53
15	15	54062865.D	1.	LCS-47170	47170	LCS 8081_TCL_X	28 Jun 2004 21:22
16	16	54062866.D	1.	0406D44-001A	47170	SAMP 8081_TCL_X	28 Jun 2004 21:51
17	17	54062867.D	1.	0406D44-001AMS	47170	MS 8081_TCL_X	28 Jun 2004 22:20
18	18	54062868.D	1.	0406D44-001AMSD	47170	MSD 8081_TCL_X	28 Jun 2004 22:49
19	19	54062869.D	1.	HEXANE	AES8497	CCB 8081_TCL_S	28 Jun 2004 23:18
20	20	54062870.D	1.	INDA-05		CCV 8081_TCL_S	28 Jun 2004 23:47
21	21	54062871.D	1.	INDB-05		CCV 8081_TCL_S	29 Jun 2004 00:16
22	22	54062872.D	1.	TOXA-05		CCV 8081_TCL_S	29 Jun 2004 00:46
23	23	54062873.D	1.	CHLO-04		CCV 8081_TCL_S	29 Jun 2004 01:15
24	24	54062874.D	1.	PEM		CCV 8081_TCL_S	29 Jun 2004 01:44
25	25	54062875.D	1.	MB-47143		MBLK 8081_TCL_S	29 Jun 2004 02:13
26	26	54062876.D	1.	LCS-47143		LCS 8081_TCL_S	29 Jun 2004 02:42
27	27	54062877.D	1.	0406D29-001B	47143	SAMP 8081_TCL_S	29 Jun 2004 03:11
28	28	54062878.D	1.	0406D29-001BMS	47143	MS 8081_TCL_S	29 Jun 2004 03:41
29	29	54062879.D	1.	0406D29-001BMSD	47143	MSD 8081_TCL_S	29 Jun 2004 04:10
30	30	54062880.D	1.	0406D29-002B	47143	SAMP 8081_TCL_S	29 Jun 2004 04:39
31	31	54062881.D	1.	0406C83-001B 10X	47153	SAMP 1311_P	29 Jun 2004 05:08
32	32	54062882.D	1.	0406D44-001A 10X	47170	SAMP 8081_TCL_X	29 Jun 2004 05:37
33	33	54062883.D	1.	HEXANE		CCB 8082_S	29 Jun 2004 06:06

Injection Log

Directory: E:\HPCHEM\1\DATA\540628B

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
34	34	54062884.D	1.	INDA-06		CCV 8081_TCL_S	29 Jun 2004 06:36
35	35	54062885.D	1.	INDB-06		CCV 8081_TCL_S	29 Jun 2004 07:05
36	36	54062886.D	1.	TOX-06		CCV 8081_TCL_S	29 Jun 2004 07:34
37	37	54062887.D	1.	CHL-05		CCV 8081_TCL_S	29 Jun 2004 08:04
38	38	54062888.D	1.	1660-06		CCV 8082_X	29 Jun 2004 08:33
39	39	54062889.D	1.	MB-47169		MBLK 8082_X	29 Jun 2004 09:03
40	40	54062890.D	1.	LCS-47169		LCS 8082_X	29 Jun 2004 09:33
41	41	54062891.D	1.	0406D44-001A	47169	SAMP 8082_X	29 Jun 2004 10:03
42	42	54062892.D	1.	0406D44-001AMS	47169	MS 8082_X	29 Jun 2004 10:32
43	43	54062893.D	1.	0406D44-001AMSD	47169	MSD 8082_X	29 Jun 2004 11:02
44	44	54062894.D	1.	MB-47142		MBLK 8082_S	29 Jun 2004 11:31
45	45	54062895.D	1.	LCS-47142		LCS 8082_S	29 Jun 2004 12:01
46	46	54062896.D	1.	0406D29-001B	47142	SAMP 8082_S	29 Jun 2004 12:31
47	47	54062897.D	1.	0406D29-001BMS	47142	MS 8082_S	29 Jun 2004 13:00
48	48	54062898.D	1.	0406D29-001BMSD	47142	MSD 8082_S	29 Jun 2004 13:30
49	49	54062899.D	1.	0406D29-002B	47142	SAMP 8082_S	29 Jun 2004 14:00
50	50	54062900.D	1.	HEX		CCB 8082_S	29 Jun 2004 14:29
51	51	54062901.D	1.	1660-05		CCV 8082_S	29 Jun 2004 14:59

Quantitation Report (QT Reviewed)

Data File : E:\HPCHEM\1\DATA\540628B\54062883.D\ECD1A.CH Vial: 33
Acq On : 29 Jun 2004 6:06 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540628B\54062883.D\ECD2B.CH Vial: 33
Acq On : 29 Jun 2004 6:06 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 29 9:51 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.27	0.00	830266	0	14.465	N.D. #
Spiked Amount 50.000	Range 30 - 150		Recovery =		28.93%#	0.00%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

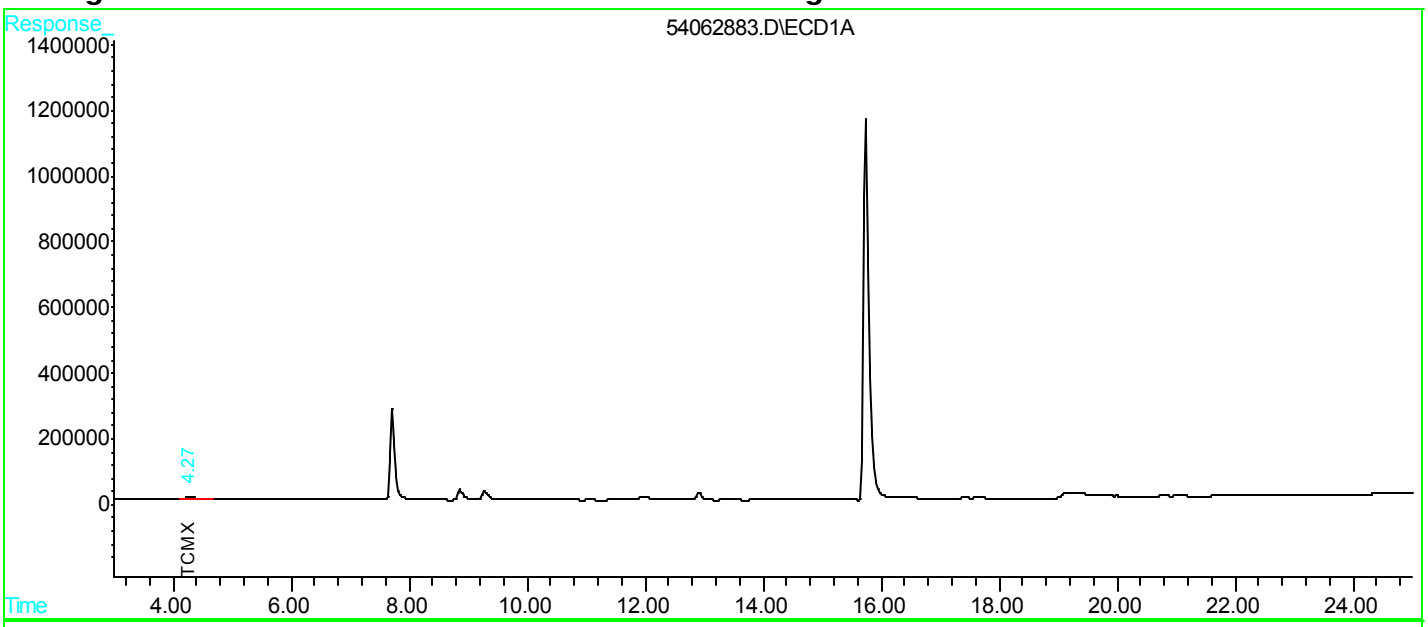
Quantitation Report

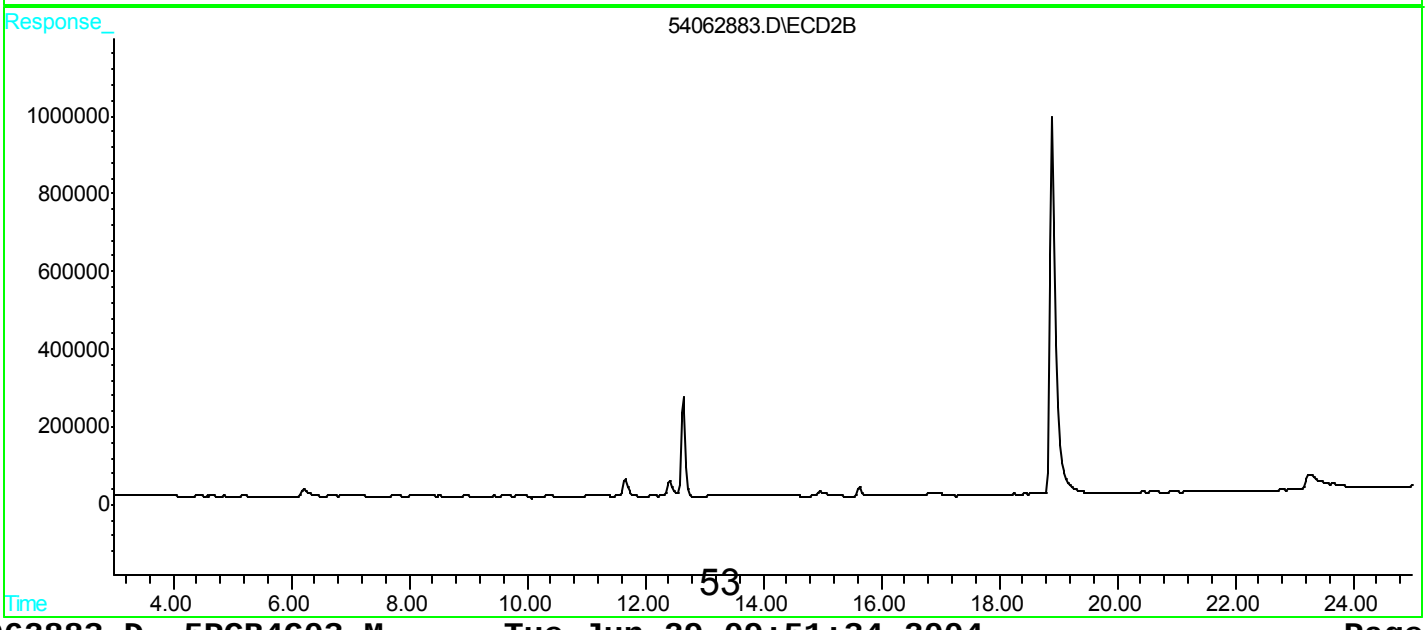
Data File : E:\HPCHEM\1\DATA\540628B\54062883.D\ECD1A.CH Vial: 33
Acq On : 29 Jun 2004 6:06 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint1.e

Data File : E:\HPCHEM\1\DATA\540628B\54062883.D\ECD2B.CH Vial: 33
Acq On : 29 Jun 2004 6:06 am Operator: JMZ
Sample : HEXANE Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Jun 29 9:51 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	TCMX	200.000	202.008	-1.0	105	0.00
2	L1	Aroclor-1016 {1}	2000.000	1986.937	0.7	101	0.00
3	L1	Aroclor-1016 {2}	2000.000	1952.942	2.4	99	0.00
4	L1	Aroclor-1016 {3}	2000.000	1810.057	9.5	99	0.00
5	L1	Aroclor-1016 {4}	2000.000	1774.443	11.3	95	0.00
6	L1	Aroclor-1016 {5}	2000.000	1855.444	7.2	94	0.00
30	L7	Aroclor-1260 {1}	2000.000	1929.522	3.5	99	0.00
31	L7	Aroclor-1260 {2}	2000.000	1980.872	1.0	101	0.00
32	L7	Aroclor-1260 {3}	2000.000	1864.998	6.8	100	0.00
33	L7	Aroclor-1260 {4}	2000.000	2011.488	-0.6	102	0.00
34	L7	Aroclor-1260 {5}	2000.000	2419.788	-21.0	113	0.00
45	S	DCB	-1.000	172.934	0.0	98	0.00

Signal #2

1	S	TCMX	200.000	192.057	4.0	105	0.00
2	L1	Aroclor-1016 {1}	-1.000	1869.695	0.0	107	0.00
3	L1	Aroclor-1016 {2}	2000.000	2069.126	-3.5	105	0.00
4	L1	Aroclor-1016 {3}	2000.000	2079.674	-4.0	105	0.00
5	L1	Aroclor-1016 {4}	2000.000	1997.133	0.1	102	0.00
6	L1	Aroclor-1016 {5}	2000.000	1880.611	6.0	102	0.00
30	L7	Aroclor-1260 {1}	2000.000	1988.971	0.6	101	0.00
31	L7	Aroclor-1260 {2}	2000.000	2086.725	-4.3	106	0.00
32	L7	Aroclor-1260 {3}	2000.000	1760.485	12.0	101	0.00
33	L7	Aroclor-1260 {4}	2000.000	2008.380	-0.4	103	0.00
34	L7	Aroclor-1260 {5}	2000.000	1912.132	4.4	97	0.00
45	S	DCB	-1.000	152.312	0.0	92	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	2000.000	0.000	100.0#	0	-4.71#
8	L2 Aroclor-1221 {2}	2000.000	0.000	100.0#	0	-5.04#
9	L2 Aroclor-1221 {3}	2000.000	0.000	100.0#	0	-5.14#
10	L3 Aroclor-1232 {1}	2000.000	0.000	100.0#	0	-5.14#
11	L3 Aroclor-1232 {2}	2000.000	0.000	100.0#	0	-5.98#
12	L3 Aroclor-1232 {3}	2000.000	0.000	100.0#	0	-7.47#
13	L3 Aroclor-1232 {4}	2000.000	0.000	100.0#	0	-8.53#
14	L3 Aroclor-1232 {5}	2000.000	0.000	100.0#	0	-10.25#
15	L4 Aroclor-1242 {1}	2000.000	0.000	100.0#	0	-5.14#
16	L4 Aroclor-1242 {2}	2000.000	0.000	100.0#	0	-7.47#
17	L4 Aroclor-1242 {3}	2000.000	0.000	100.0#	0	-7.63#
18	L4 Aroclor-1242 {4}	2000.000	0.000	100.0#	0	-8.53#
19	L4 Aroclor-1242 {5}	2000.000	0.000	100.0#	0	-10.13#
20	L5 Aroclor-1248 {1}	2000.000	0.000	100.0#	0	-7.14#
21	L5 Aroclor-1248 {2}	2000.000	0.000	100.0#	0	-8.53#
22	L5 Aroclor-1248 {3}	2000.000	0.000	100.0#	0	-8.76#
23	L5 Aroclor-1248 {4}	2000.000	-87.442	104.4#	0	-9.41#
24	L5 Aroclor-1248 {5}	2000.000	0.000	100.0#	0	-11.31#
25	L6 Aroclor-1254 {1}	2000.000	0.000	100.0#	0	-9.49#
26	L6 Aroclor-1254 {2}	2000.000	0.000	100.0#	0	-10.25#
27	L6 Aroclor-1254 {3}	2000.000	0.000	100.0#	0	-12.06#
28	L6 Aroclor-1254 {4}	2000.000	0.000	100.0#	0	-12.57#
29	L6 Aroclor-1254 {5}	2000.000	0.000	100.0#	0	-13.32#
35	L8 Aroclor-1262 {1}	2000.000	0.000	100.0#	0	-13.77#
36	L8 Aroclor-1262 {2}	2000.000	0.000	100.0#	0	-14.41#
37	L8 Aroclor-1262 {3}	2000.000	0.000	100.0#	0	-15.28#
38	L8 Aroclor-1262 {4}	2000.000	0.000	100.0#	0	-16.16#
39	L8 Aroclor-1262 {5}	2000.000	0.000	100.0#	0	-17.74#
40	L9 Aroclor-1268 {1}	2000.000	0.000	100.0#	0	-16.04#
41	L9 Aroclor-1268 {2}	2000.000	0.000	100.0#	0	-16.16#
42	L9 Aroclor-1268 {3}	2000.000	0.000	100.0#	0	-16.65#
43	L9 Aroclor-1268 {4}	2000.000	0.000	100.0#	0	-17.66#
44	L9 Aroclor-1268 {5}	2000.000	0.000	100.0#	0	-18.44#

(#) = Out of Range
54062888.D 5PCB4G03.M Tue Jun 29 09:52:45 2004 Page 2

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
	Signal #2					
7	L2 Aroclor-1221 {1}	2000.000	0.000	100.0#	0	-6.72#
8	L2 Aroclor-1221 {2}	2000.000	0.000	100.0#	0	-7.11#
9	L2 Aroclor-1221 {3}	2000.000	0.000	100.0#	0	-7.28#
10	L3 Aroclor-1232 {1}	2000.000	0.000	100.0#	0	-7.21#
11	L3 Aroclor-1232 {2}	2000.000	0.000	100.0#	0	-8.35#
12	L3 Aroclor-1232 {3}	2000.000	0.000	100.0#	0	-10.01#
13	L3 Aroclor-1232 {4}	2000.000	0.000	100.0#	0	-10.30#
14	L3 Aroclor-1232 {5}	2000.000	0.000	100.0#	0	-11.32#
15	L4 Aroclor-1242 {1}	2000.000	0.000	100.0#	0	-9.09#
16	L4 Aroclor-1242 {2}	2000.000	0.000	100.0#	0	-10.37#
17	L4 Aroclor-1242 {3}	2000.000	0.000	100.0#	0	-10.60#
18	L4 Aroclor-1242 {4}	2000.000	0.000	100.0#	0	-11.67#
19	L4 Aroclor-1242 {5}	2000.000	0.000	100.0#	0	-12.41#
20	L5 Aroclor-1248 {1}	2000.000	0.000	100.0#	0	-9.64#
21	L5 Aroclor-1248 {2}	2000.000	-127.179	106.4#	0	-10.60#
22	L5 Aroclor-1248 {3}	2000.000	-152.344	107.6#	0	-11.38#
23	L5 Aroclor-1248 {4}	2000.000	-78.728	103.9#	0	-12.41#
24	L5 Aroclor-1248 {5}	2000.000	-69.000	103.5#	0	-12.58#
25	L6 Aroclor-1254 {1}	2000.000	0.000	100.0#	0	-12.52#
26	L6 Aroclor-1254 {2}	2000.000	0.000	100.0#	0	-13.07#
27	L6 Aroclor-1254 {3}	2000.000	0.000	100.0#	0	-14.02#
28	L6 Aroclor-1254 {4}	2000.000	0.000	100.0#	0	-15.04#
29	L6 Aroclor-1254 {5}	2000.000	0.000	100.0#	0	-15.49#
35	L8 Aroclor-1262 {1}	2000.000	0.000	100.0#	0	-16.88#
36	L8 Aroclor-1262 {2}	2000.000	0.000	100.0#	0	-17.73#
37	L8 Aroclor-1262 {3}	2000.000	0.000	100.0#	0	-18.50#
38	L8 Aroclor-1262 {4}	2000.000	0.000	100.0#	0	-19.52#
39	L8 Aroclor-1262 {5}	2000.000	0.000	100.0#	0	-21.14#
40	L9 Aroclor-1268 {1}	2000.000	0.000	100.0#	0	-19.38#
41	L9 Aroclor-1268 {2}	2000.000	0.000	100.0#	0	-19.55#
42	L9 Aroclor-1268 {3}	2000.000	0.000	100.0#	0	-20.25#
43	L9 Aroclor-1268 {4}	2000.000	0.000	100.0#	0	-21.06#
44	L9 Aroclor-1268 {5}	2000.000	0.000	100.0#	0	-21.95#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 9:52 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	11594870	13494201	202.008	192.057
Spiked Amount 50.000	Range 30 - 150		Recovery =		404.02%#	384.11%#
45) S DCB	18.95	22.48	15996110	12313618	172.934	152.312
Spiked Amount 50.000	Range 30 - 150		Recovery =		345.87%#	304.62%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.98	8.35	4489051	5068103	1986.937	1869.695
3) L1 Aroclor-1016 {2}	7.14	9.64	10172071	10716189	1952.942	2069.126
4) L1 Aroclor-1016 {3}	7.47	10.01	4031959	5158762	1810.057	2079.674
5) L1 Aroclor-1016 {4}	8.53	10.60	4118907	2391587	1774.443	1997.133
6) L1 Aroclor-1016 {5}	10.25	11.68	2105104	4158061	1855.444	1880.611
Sum Aroclor-1016			24917092	27492702	9379.823	9896.239
Average Aroclor-1016					1875.965	1979.248
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.80	14.89	6354573	6393784	1929.522	1988.971
31) L7 Aroclor-1260 {2}	12.57	15.49	11705903	8202950	1980.872	2086.725
32) L7 Aroclor-1260 {3}	13.32	16.47	10509050	10183178	1864.998	1760.485
33) L7 Aroclor-1260 {4}	14.30	16.73	6323206	6488480	2011.488	2008.380
34) L7 Aroclor-1260 {5}	15.92	17.54	7570933	6478007	2419.788	1912.132

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062888.D 5PCB4G03.M Tue Jun 29 09:52:16 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 9:52 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

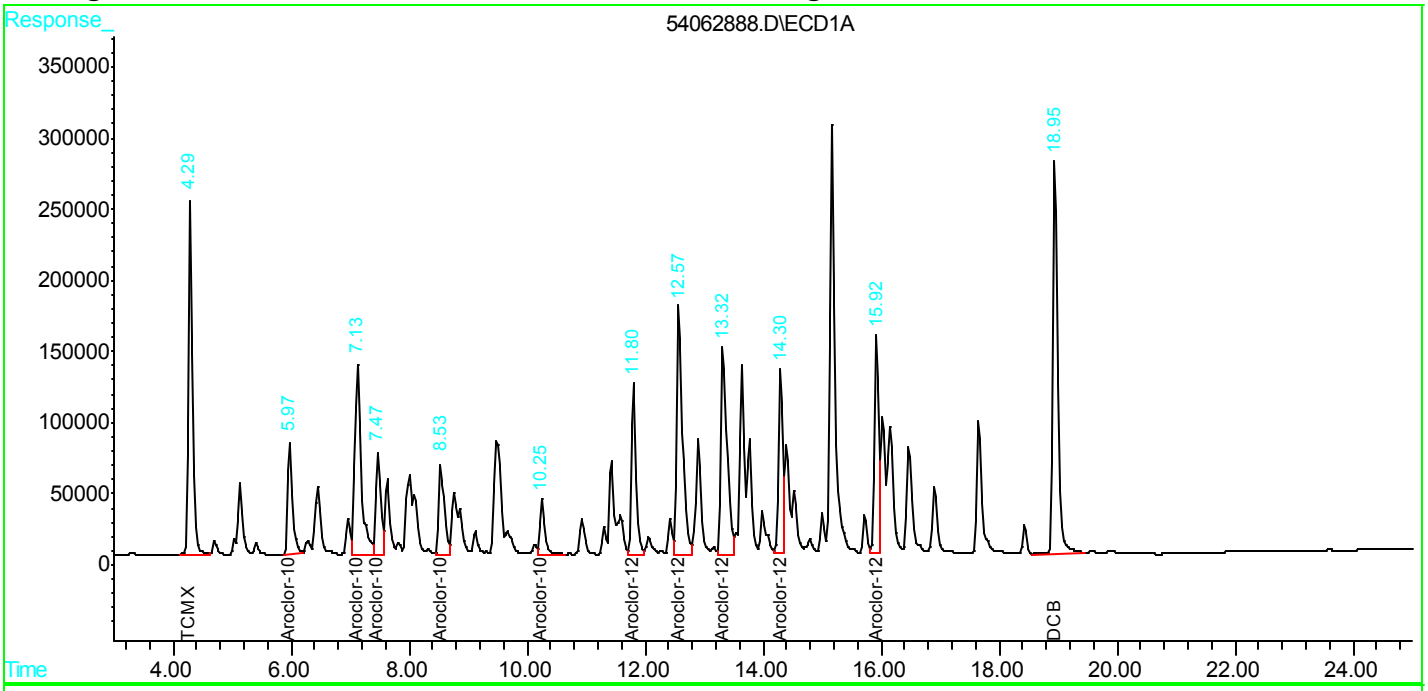
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			42463664	37746400	10206.667	9756.693
Average Aroclor-1260					2041.333	1951.339
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

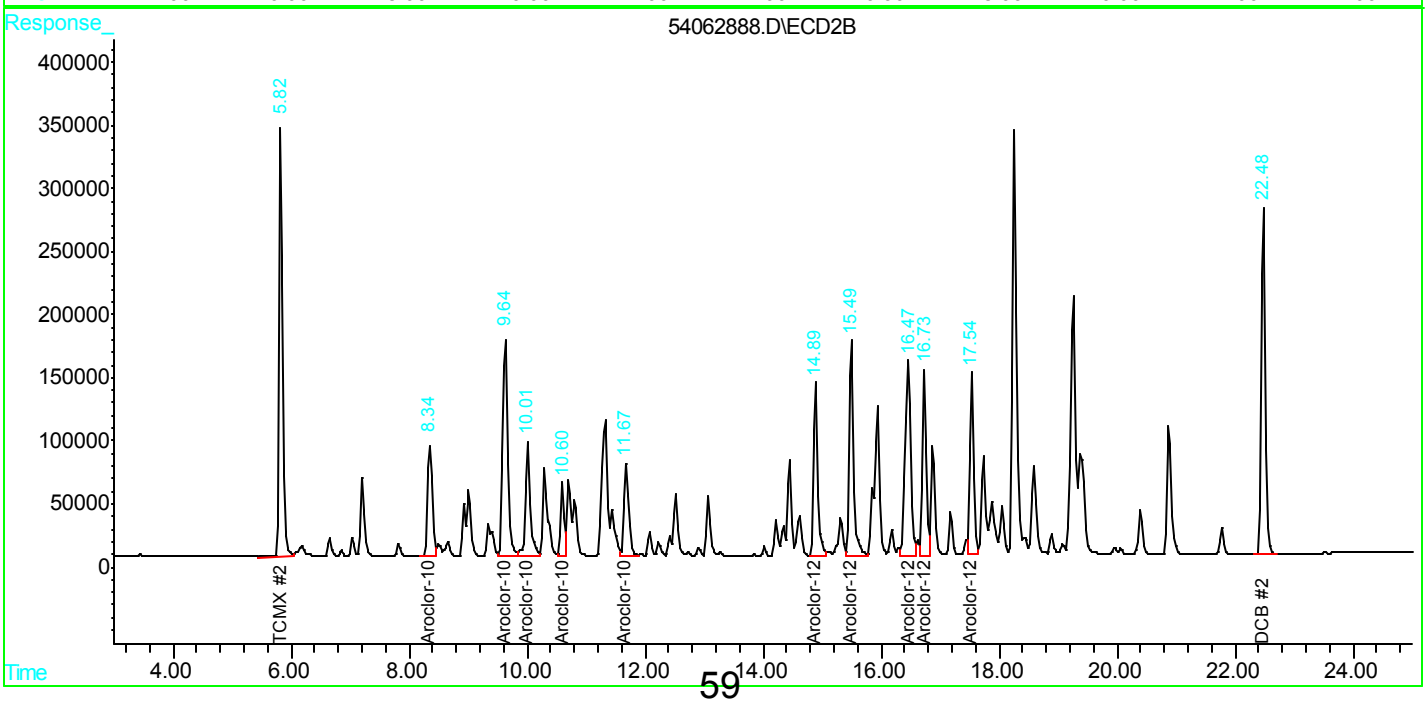
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD1A.CH Vial: 38
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062888.D\ECD2B.CH
Acq On : 29 Jun 2004 8:33 am Operator: JMZ
Sample : 1660-06 Inst : GC-5
Misc : CCV 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 9:52 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062889.D\ECD1A.CH Vial: 39
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062889.D\ECD2B.CH
Acq On : 29 Jun 2004 9:03 am Operator: JMZ
Sample : MB-47169 Inst : GC-5
Misc : MBLK 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 9:53 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

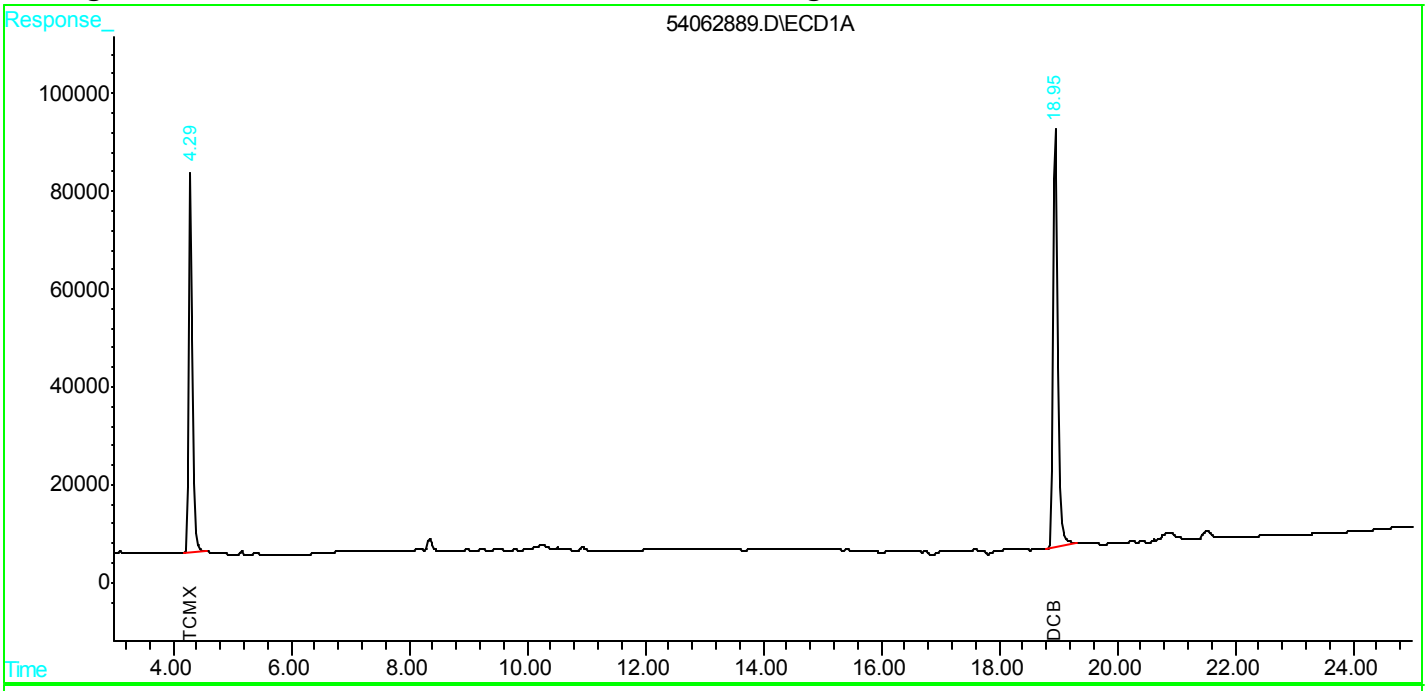
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	3229055	3815585	56.257	54.305
Spiked Amount	50.000	Range 30 - 150		Recovery =	112.51%	108.61%
45) S DCB	18.95	22.48	4640675	4287592	50.170	53.035
Spiked Amount	50.000	Range 30 - 150		Recovery =	100.34%	106.07%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

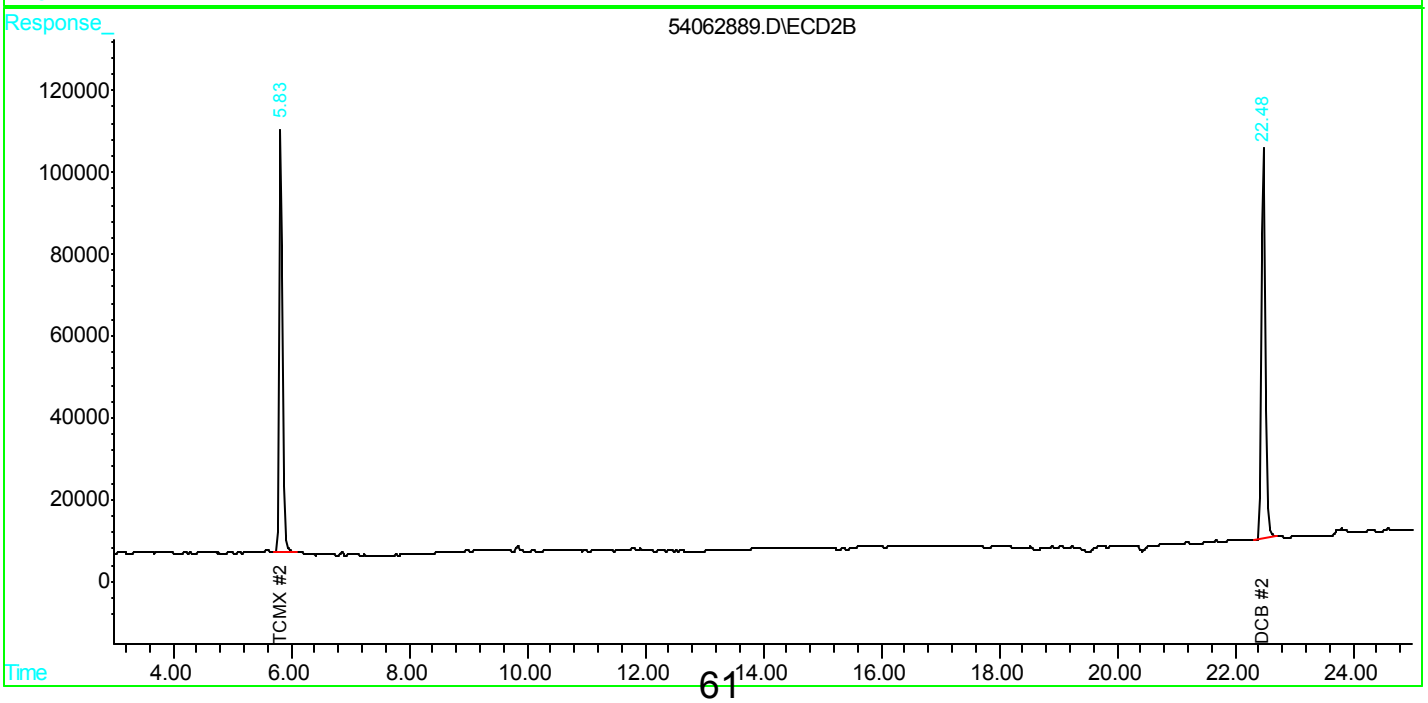
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062889.D\ECD1A.CH Vial: 39
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062889.D\ECD2B.CH
Acq On : 29 Jun 2004 9:03 am Operator: JMZ
Sample : MB-47169 Inst : GC-5
Misc : MBLK 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 9:53 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD1A.CH Vial: 40
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD2B.CH
Acq On : 29 Jun 2004 9:33 am Operator: JMZ
Sample : LCS-47169 Inst : GC-5
Misc : LCS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 10:01 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	3820581	4577680	66.563	65.152
Spiked Amount 50.000	Range 30 - 150		Recovery =		133.13%	130.30%
45) S DCB	18.95	22.48	5066853	4715712	54.778	58.330
Spiked Amount 50.000	Range 30 - 150		Recovery =		109.56%	116.66%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.98	8.35	1563361	1847214	635.297	652.043
3) L1 Aroclor-1016 {2}	7.14	9.64	3690081	3948467	667.929	698.358
4) L1 Aroclor-1016 {3}	7.48	10.01	1443337	1370841	647.954	497.064
5) L1 Aroclor-1016 {4}	8.54	10.60	1227841	814460	528.959	605.542
6) L1 Aroclor-1016 {5}	10.26	11.68	974862	1089410	841.639	492.719 #
Sum Aroclor-1016			8899482	9070391	3321.778	2945.726
Average Aroclor-1016					664.356	589.145
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.81	14.89	2062333	2410017	575.865	689.833
31) L7 Aroclor-1260 {2}	12.57	15.49	4087316	2822473	636.644	660.201
32) L7 Aroclor-1260 {3}	13.32	16.47	3845315	4084398	682.412	706.118
33) L7 Aroclor-1260 {4}	14.30	16.73	1845233	2114903	559.919	590.714
34) L7 Aroclor-1260 {5}	15.93	17.54	1979101	1967271	632.551	546.849

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062890.D 5PCB4G03.M Tue Jun 29 10:01:33 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD1A.CH Vial: 40
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD2B.CH
Acq On : 29 Jun 2004 9:33 am Operator: JMZ
Sample : LCS-47169 Inst : GC-5
Misc : LCS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 10:01 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

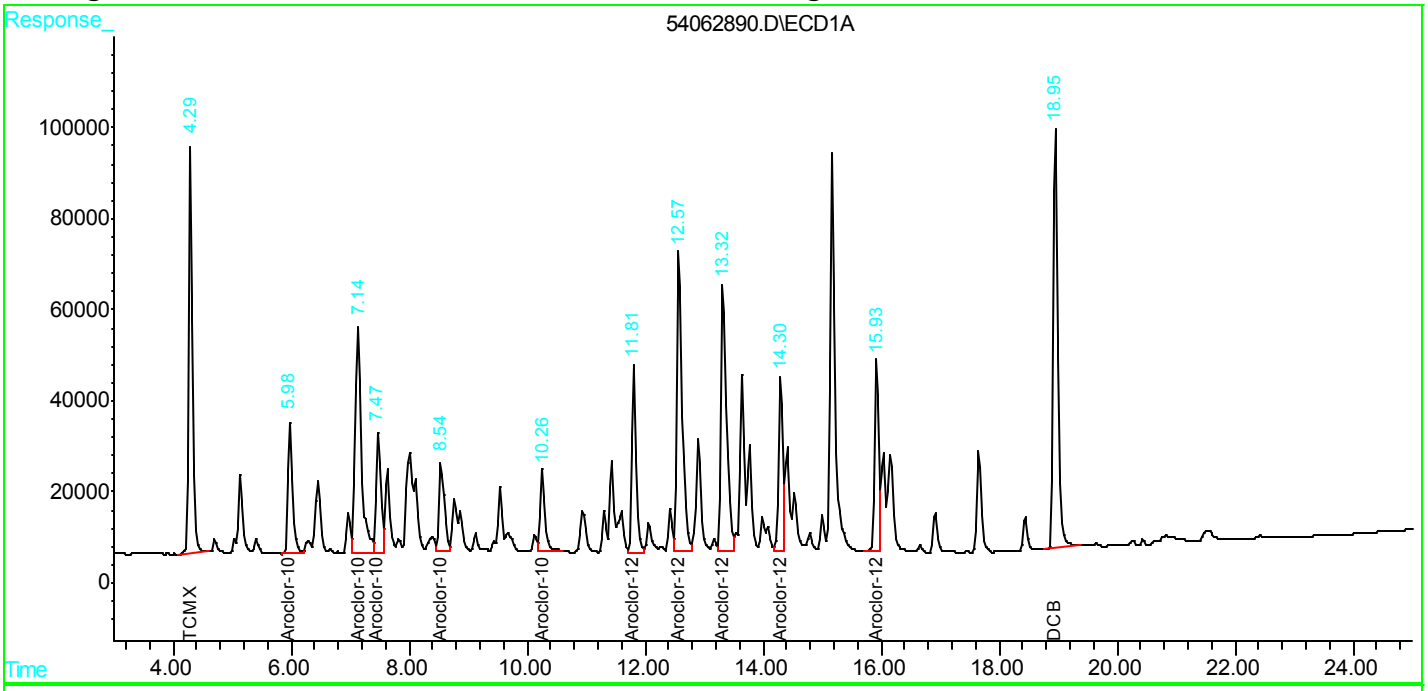
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			13819297	13399062	3087.391	3193.714
Average Aroclor-1260					617.478	638.743
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

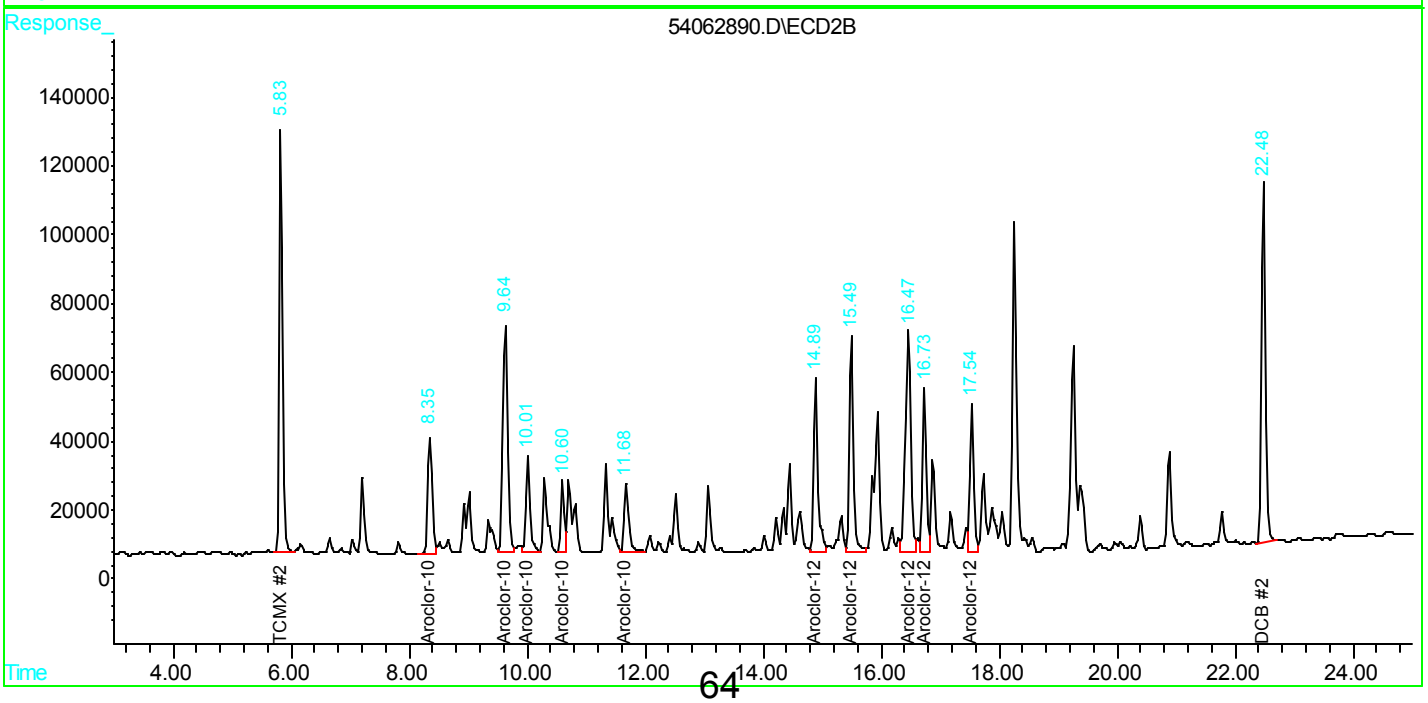
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD1A.CH Vial: 40
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062890.D\ECD2B.CH
Acq On : 29 Jun 2004 9:33 am Operator: JMZ
Sample : LCS-47169 Inst : GC-5
Misc : LCS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 10:01 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062891.D\ECD1A.CH Vial: 41
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062891.D\ECD2B.CH
Acq On : 29 Jun 2004 10:03 am Operator: JMZ
Sample : 0406D44-001A 47169 Inst : GC-5
Misc : SAMP 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 10:46 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

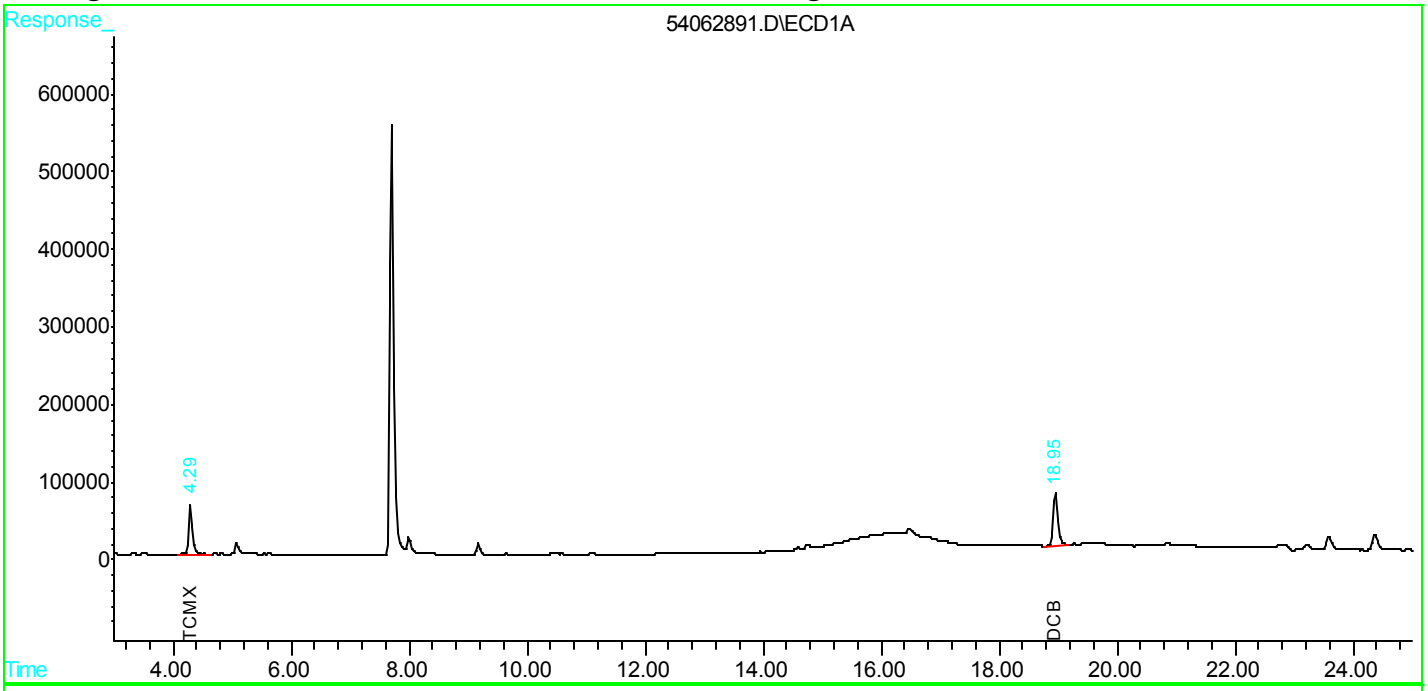
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	2659344	2988447	46.332	42.533
Spiked Amount	50.000	Range 30 - 150		Recovery =	92.66%	85.07%
45) S DCB	18.95	22.48	3755412	3396486	40.600	42.012
Spiked Amount	50.000	Range 30 - 150		Recovery =	81.20%	84.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

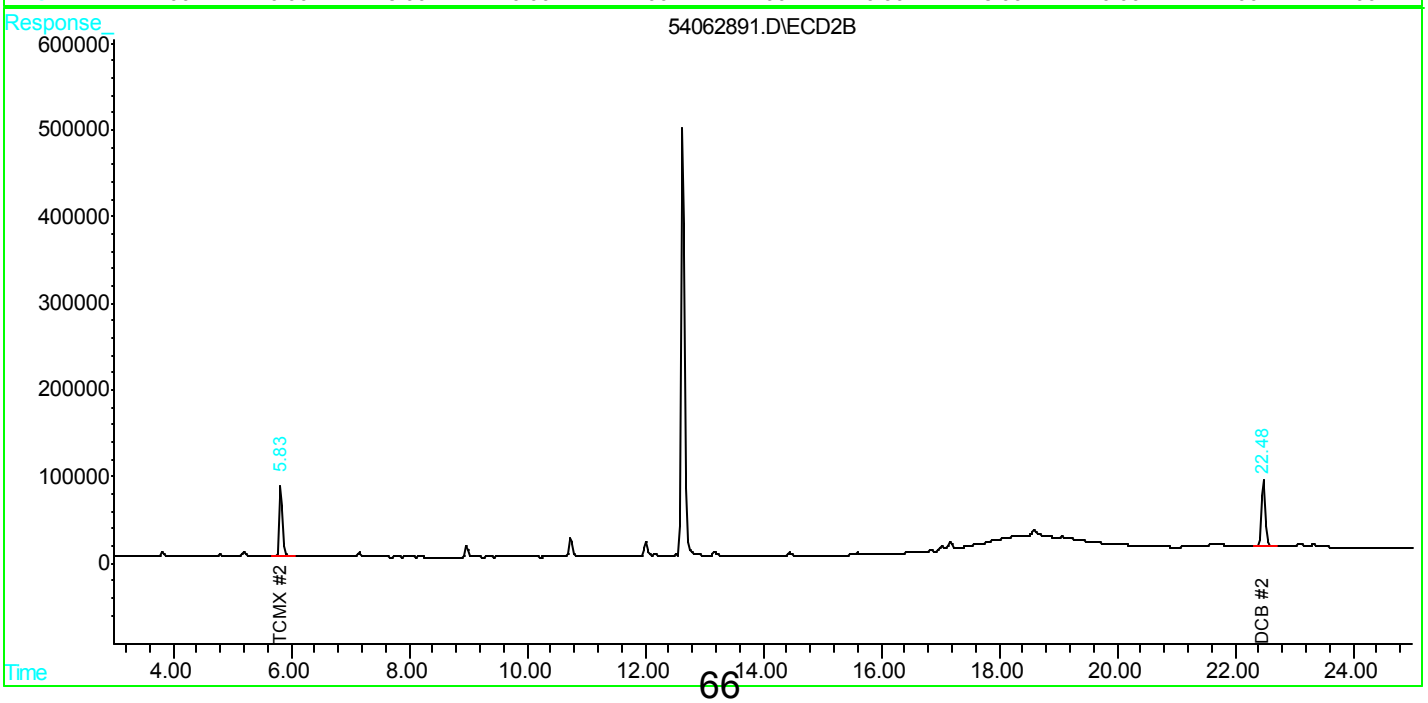
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062891.D\ECD1A.CH Vial: 41
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062891.D\ECD2B.CH
Acq On : 29 Jun 2004 10:03 am Operator: JMZ
Sample : 0406D44-001A 47169 Inst : GC-5
Misc : SAMP 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 10:46 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD1A.CH Vial: 42
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD2B.CH
Acq On : 29 Jun 2004 10:32 am Operator: JMZ
Sample : 0406D44-001AMS 47169 Inst : GC-5
Misc : MS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 11:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	2772312	3249404	48.300	46.247
Spiked Amount 50.000	Range 30 - 150		Recovery =		96.60%	92.49%
45) S DCB	18.95	22.48	4095940	3682955	44.281	45.556
Spiked Amount 50.000	Range 30 - 150		Recovery =		88.56%	91.11%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.98	8.35	1225830	1406457	479.362	485.415
3) L1 Aroclor-1016 {2}	7.14	9.64	2739409	2958089	479.464	497.762
4) L1 Aroclor-1016 {3}	7.47	10.01	1055522	1205620	473.853	428.034
5) L1 Aroclor-1016 {4}	8.54	10.60	1136117	751081	489.444	549.619
6) L1 Aroclor-1016 {5}	10.26	11.68	679361	876168	576.580	396.274 #
Sum Aroclor-1016			6836240	7197415	2498.703	2357.105
Average Aroclor-1016					499.741	471.421
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.80	14.89	1653731	1770476	447.003	481.273
31) L7 Aroclor-1260 {2}	12.57	15.49	3130981	2203682	467.907	496.141
32) L7 Aroclor-1260 {3}	13.32	16.47	2987218	2986351	530.129	516.285
33) L7 Aroclor-1260 {4}	14.30	16.73	1520228	1589437	454.566	420.388
34) L7 Aroclor-1260 {5}	0.00	17.54	0	2317300	N.D. d	652.793 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062892.D 5PCB4G03.M Tue Jun 29 11:14:48 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD1A.CH Vial: 42
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD2B.CH
Acq On : 29 Jun 2004 10:32 am Operator: JMZ
Sample : 0406D44-001AMS 47169 Inst : GC-5
Misc : MS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 11:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

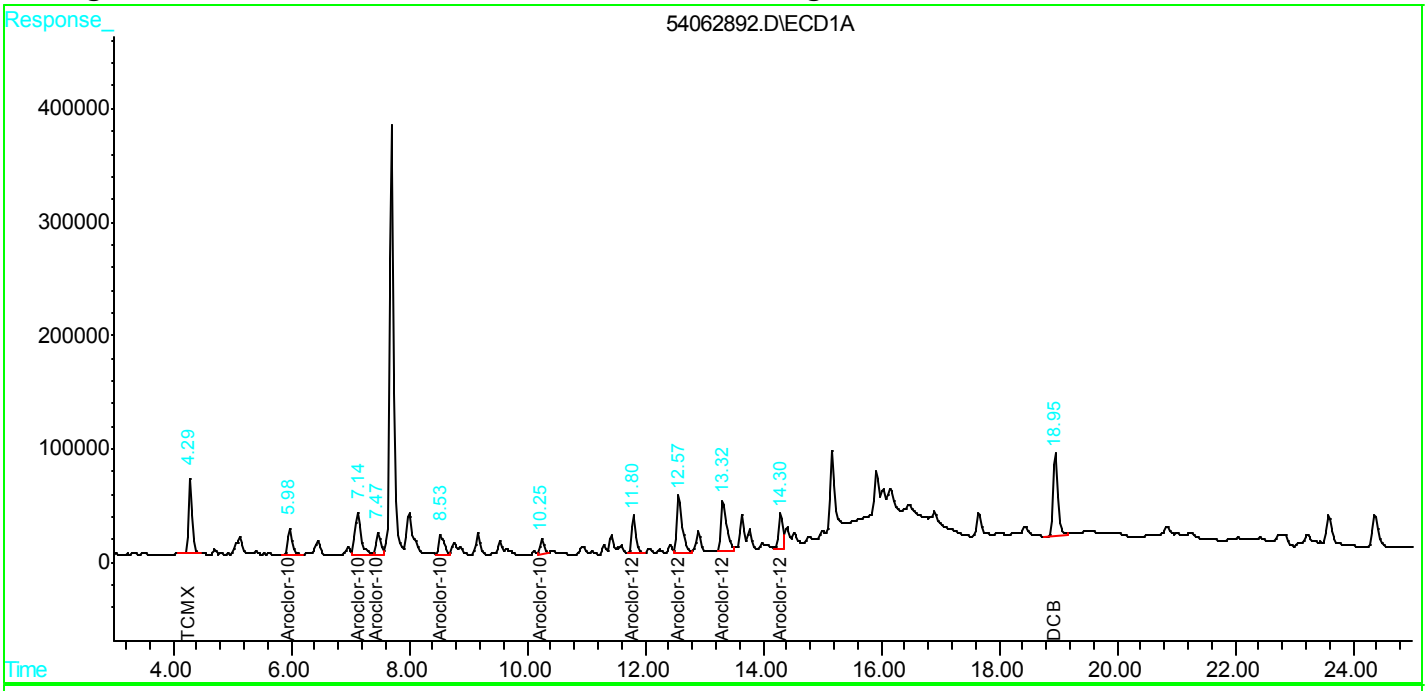
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			9292159	10867246	1899.606	2566.881
Average Aroclor-1260					474.902	513.376
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

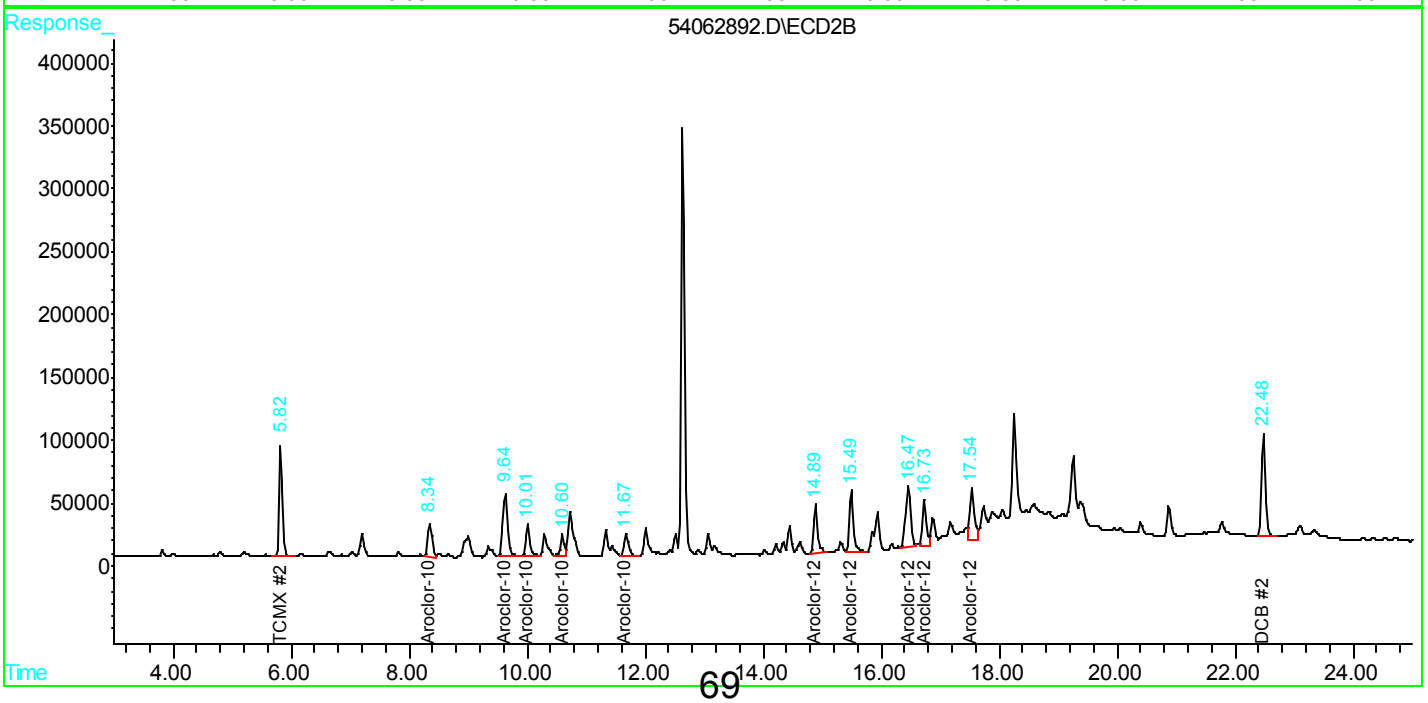
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD1A.CH Vial: 42
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062892.D\ECD2B.CH
Acq On : 29 Jun 2004 10:32 am Operator: JMZ
Sample : 0406D44-001AMS 47169 Inst : GC-5
Misc : MS 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 11:14 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD1A.CH Vial: 43
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD2B.CH
Acq On : 29 Jun 2004 11:02 am Operator: JMZ
Sample : 0406D44-001AMSD 47169 Inst : GC-5
Misc : MSD 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 12:49 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	3009217	3618255	52.427	51.497
Spiked Amount 50.000	Range 30 - 150		Recovery =		104.85%	102.99%
45) S DCB	18.95	22.48	4279981	3918243	46.271	48.466
Spiked Amount 50.000	Range 30 - 150		Recovery =		92.54%	96.93%
Target Compounds						
2) L1 Aroclor-1016 {1}	5.98	8.35	1282881	1487838	505.718	516.181
3) L1 Aroclor-1016 {2}	7.14	9.64	2877730	3255412	506.885	557.984
4) L1 Aroclor-1016 {3}	7.47	10.01	1113873	1373108	500.048	498.011
5) L1 Aroclor-1016 {4}	8.54	10.60	1221593	817006	526.268	607.789
6) L1 Aroclor-1016 {5}	10.26	11.68	775387	978495	662.713	442.554 #
Sum Aroclor-1016			7271463	7911858	2701.633	2622.519
Average Aroclor-1016					540.327	524.504
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.81	14.89	1732389	1837346	471.810	503.080
31) L7 Aroclor-1260 {2}	12.57	15.49	3279059	2284531	494.034	517.577
32) L7 Aroclor-1260 {3}	13.32	16.47	3137125	3098091	556.733	535.603
33) L7 Aroclor-1260 {4}	14.30	16.73	1620243	1649832	486.987	439.965
34) L7 Aroclor-1260 {5}	0.00	17.54	0	1824098	N.D. d	503.514m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062893.D 5PCB4G03.M Tue Jun 29 12:49:57 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD1A.CH Vial: 43
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD2B.CH
Acq On : 29 Jun 2004 11:02 am Operator: JMZ
Sample : 0406D44-001AMSD 47169 Inst : GC-5
Misc : MSD 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 12:49 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

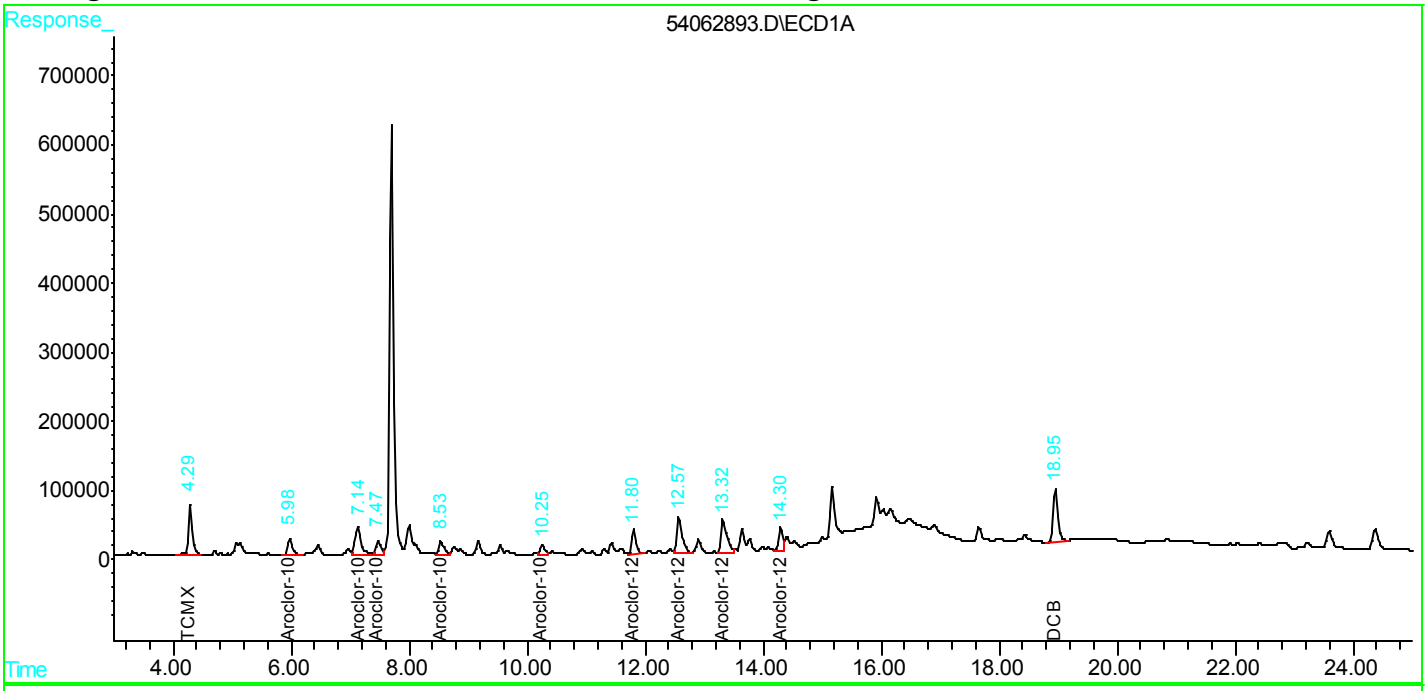
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			9768817	10693897	2009.564	2499.738
Average Aroclor-1260					502.391	499.948
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

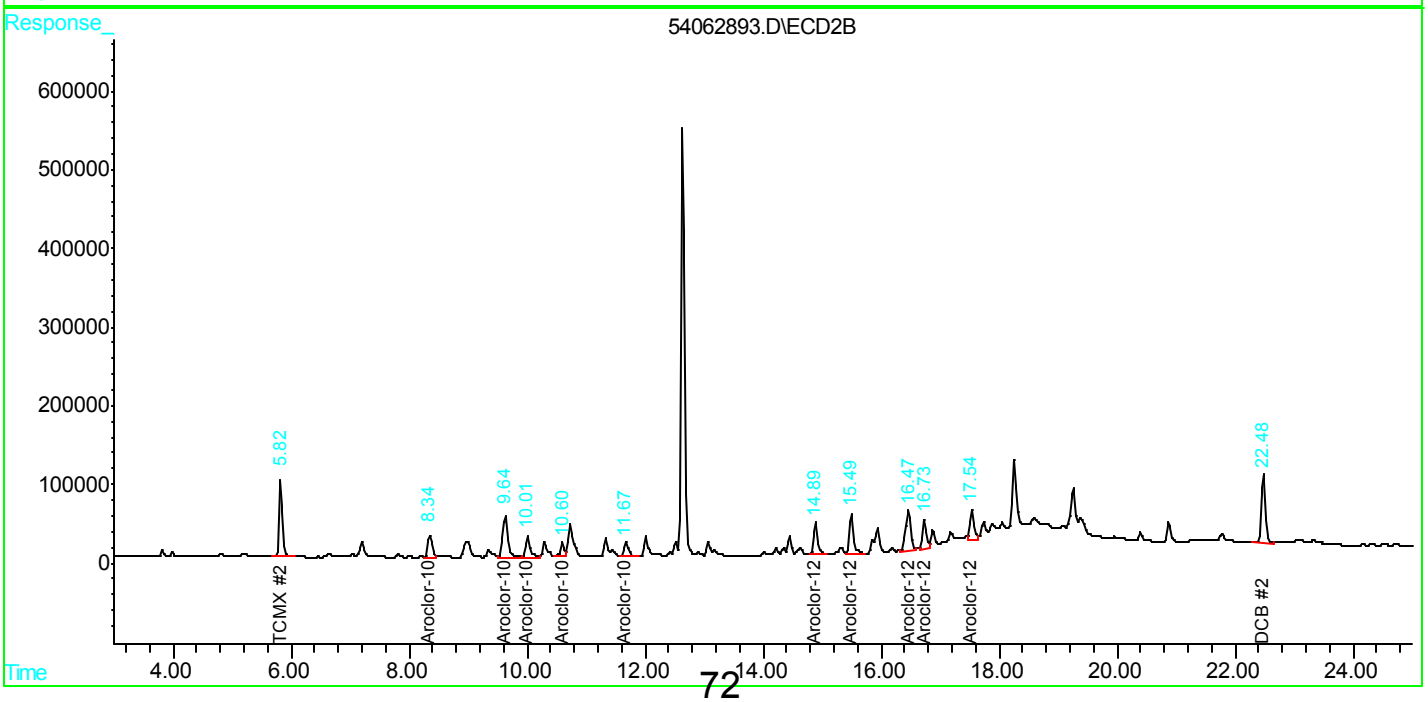
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD1A.CH Vial: 43
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062893.D\ECD2B.CH
Acq On : 29 Jun 2004 11:02 am Operator: JMZ
Sample : 0406D44-001AMSD 47169 Inst : GC-5
Misc : MSD 8082_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 12:49 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062900.D\ECD1A.CH Vial: 50
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062900.D\ECD2B.CH
Acq On : 29 Jun 2004 2:29 pm Operator: JMZ
Sample : HEX Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 14:57 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

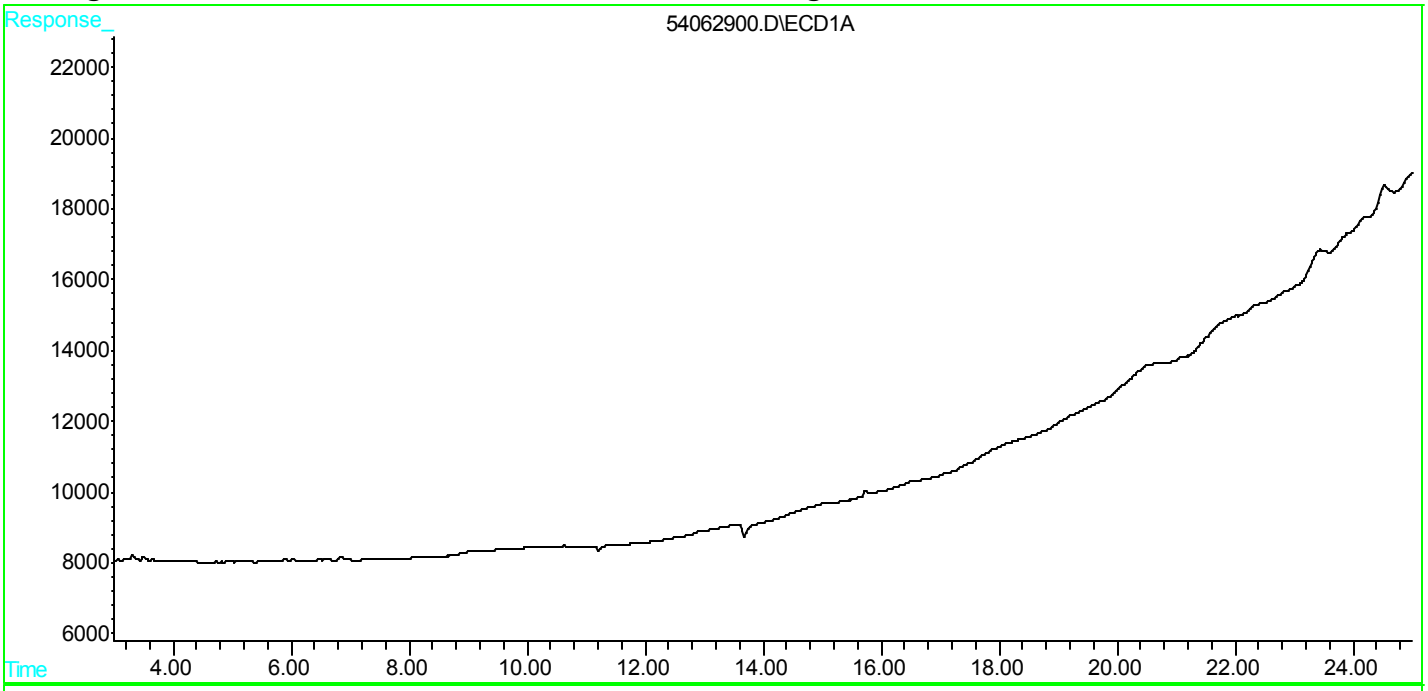
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

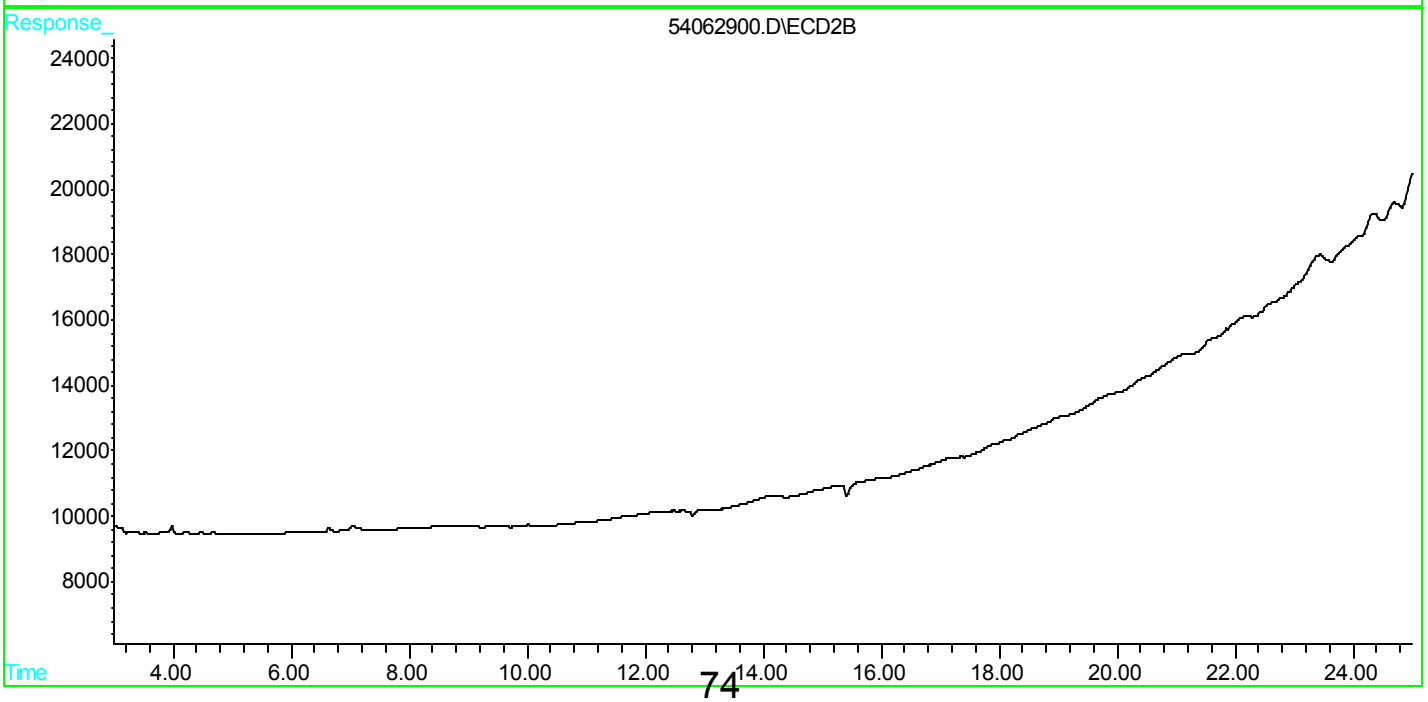
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062900.D\ECD1A.CH Vial: 50
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062900.D\ECD2B.CH
Acq On : 29 Jun 2004 2:29 pm Operator: JMZ
Sample : HEX Inst : GC-5
Misc : CCB 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 14:57 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	TCMX	100.000	108.542	-8.5	106	0.00
2	L1	Aroclor-1016 {1}	1000.000	1099.417	-9.9	106	0.00
3	L1	Aroclor-1016 {2}	1000.000	1091.908	-9.2	104	0.00
4	L1	Aroclor-1016 {3}	1000.000	1040.919	-4.1	105	0.00
5	L1	Aroclor-1016 {4}	1000.000	1053.349	-5.3	104	0.00
6	L1	Aroclor-1016 {5}	1000.000	1080.543	-8.1	103	0.00
30	L7	Aroclor-1260 {1}	1000.000	1079.156	-7.9	102	0.00
31	L7	Aroclor-1260 {2}	1000.000	1068.629	-6.9	101	0.00
32	L7	Aroclor-1260 {3}	1000.000	1018.707	-1.9	102	0.00
33	L7	Aroclor-1260 {4}	1000.000	1097.373	-9.7	106	0.00
34	L7	Aroclor-1260 {5}	1000.000	1175.736	-17.6	114	0.00
45	S	DCB	100.000	89.297	10.7	93	0.00

Signal #2

1	S	TCMX	100.000	106.777	-6.8	108	0.00
2	L1	Aroclor-1016 {1}	1000.000	1057.799	-5.8	107	0.00
3	L1	Aroclor-1016 {2}	1000.000	1135.091	-13.5	107	0.00
4	L1	Aroclor-1016 {3}	1000.000	1096.527	-9.7	107	0.00
5	L1	Aroclor-1016 {4}	1000.000	1121.899	-12.2	106	0.00
6	L1	Aroclor-1016 {5}	1000.000	1046.286	-4.6	103	0.00
30	L7	Aroclor-1260 {1}	1000.000	1049.044	-4.9	100	0.00
31	L7	Aroclor-1260 {2}	1000.000	1128.538	-12.9	107	0.00
32	L7	Aroclor-1260 {3}	1000.000	934.991	6.5	93	0.00
33	L7	Aroclor-1260 {4}	1000.000	1014.617	-1.5	95	0.00
34	L7	Aroclor-1260 {5}	1000.000	1001.198	-0.1	96	0.00
45	S	DCB	100.000	82.628	17.4	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062901.D 5PCB4G03.M Tue Jun 29 15:35:27 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
7	L2 Aroclor-1221 {1}	1000.000	0.000	100.0#	0	-4.71#
8	L2 Aroclor-1221 {2}	1000.000	0.000	100.0#	0	-5.04#
9	L2 Aroclor-1221 {3}	1000.000	0.000	100.0#	0	-5.14#
10	L3 Aroclor-1232 {1}	1000.000	0.000	100.0#	0	-5.14#
11	L3 Aroclor-1232 {2}	1000.000	0.000	100.0#	0	-5.98#
12	L3 Aroclor-1232 {3}	1000.000	0.000	100.0#	0	-7.47#
13	L3 Aroclor-1232 {4}	1000.000	0.000	100.0#	0	-8.53#
14	L3 Aroclor-1232 {5}	1000.000	0.000	100.0#	0	-10.25#
15	L4 Aroclor-1242 {1}	1000.000	0.000	100.0#	0	-5.14#
16	L4 Aroclor-1242 {2}	1000.000	0.000	100.0#	0	-7.47#
17	L4 Aroclor-1242 {3}	1000.000	0.000	100.0#	0	-7.63#
18	L4 Aroclor-1242 {4}	1000.000	0.000	100.0#	0	-8.53#
19	L4 Aroclor-1242 {5}	1000.000	0.000	100.0#	0	-10.13#
20	L5 Aroclor-1248 {1}	1000.000	0.000	100.0#	0	-7.14#
21	L5 Aroclor-1248 {2}	1000.000	0.000	100.0#	0	-8.53#
22	L5 Aroclor-1248 {3}	1000.000	0.000	100.0#	0	-8.76#
23	L5 Aroclor-1248 {4}	1000.000	-87.442	108.7#	0	-9.41#
24	L5 Aroclor-1248 {5}	1000.000	0.000	100.0#	0	-11.31#
25	L6 Aroclor-1254 {1}	1000.000	0.000	100.0#	0	-9.49#
26	L6 Aroclor-1254 {2}	1000.000	0.000	100.0#	0	-10.25#
27	L6 Aroclor-1254 {3}	1000.000	0.000	100.0#	0	-12.06#
28	L6 Aroclor-1254 {4}	1000.000	0.000	100.0#	0	-12.57#
29	L6 Aroclor-1254 {5}	1000.000	0.000	100.0#	0	-13.32#
35	L8 Aroclor-1262 {1}	1000.000	0.000	100.0#	0	-13.77#
36	L8 Aroclor-1262 {2}	1000.000	0.000	100.0#	0	-14.41#
37	L8 Aroclor-1262 {3}	1000.000	0.000	100.0#	0	-15.28#
38	L8 Aroclor-1262 {4}	1000.000	0.000	100.0#	0	-16.16#
39	L8 Aroclor-1262 {5}	1000.000	0.000	100.0#	0	-17.74#
40	L9 Aroclor-1268 {1}	1000.000	0.000	100.0#	0	-16.04#
41	L9 Aroclor-1268 {2}	1000.000	0.000	100.0#	0	-16.16#
42	L9 Aroclor-1268 {3}	1000.000	0.000	100.0#	0	-16.65#
43	L9 Aroclor-1268 {4}	1000.000	0.000	100.0#	0	-17.66#
44	L9 Aroclor-1268 {5}	1000.000	0.000	100.0#	0	-18.44#

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PCB'S\5PCB4G03.M (Chem
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
Signal #2						
7	L2 Aroclor-1221 {1}	1000.000	0.000	100.0#	0	-6.72#
8	L2 Aroclor-1221 {2}	1000.000	0.000	100.0#	0	-7.11#
9	L2 Aroclor-1221 {3}	1000.000	0.000	100.0#	0	-7.28#
10	L3 Aroclor-1232 {1}	1000.000	0.000	100.0#	0	-7.21#
11	L3 Aroclor-1232 {2}	1000.000	0.000	100.0#	0	-8.35#
12	L3 Aroclor-1232 {3}	1000.000	0.000	100.0#	0	-10.01#
13	L3 Aroclor-1232 {4}	1000.000	0.000	100.0#	0	-10.30#
14	L3 Aroclor-1232 {5}	1000.000	0.000	100.0#	0	-11.32#
15	L4 Aroclor-1242 {1}	1000.000	0.000	100.0#	0	-9.09#
16	L4 Aroclor-1242 {2}	1000.000	0.000	100.0#	0	-10.37#
17	L4 Aroclor-1242 {3}	1000.000	0.000	100.0#	0	-10.60#
18	L4 Aroclor-1242 {4}	1000.000	0.000	100.0#	0	-11.67#
19	L4 Aroclor-1242 {5}	1000.000	0.000	100.0#	0	-12.41#
20	L5 Aroclor-1248 {1}	1000.000	0.000	100.0#	0	-9.64#
21	L5 Aroclor-1248 {2}	1000.000	-127.179	112.7#	0	-10.60#
22	L5 Aroclor-1248 {3}	1000.000	-152.344	115.2#	0	-11.38#
23	L5 Aroclor-1248 {4}	1000.000	-78.728	107.9#	0	-12.41#
24	L5 Aroclor-1248 {5}	1000.000	-69.000	106.9#	0	-12.58#
25	L6 Aroclor-1254 {1}	1000.000	0.000	100.0#	0	-12.52#
26	L6 Aroclor-1254 {2}	1000.000	0.000	100.0#	0	-13.07#
27	L6 Aroclor-1254 {3}	1000.000	0.000	100.0#	0	-14.02#
28	L6 Aroclor-1254 {4}	1000.000	0.000	100.0#	0	-15.04#
29	L6 Aroclor-1254 {5}	1000.000	0.000	100.0#	0	-15.49#
35	L8 Aroclor-1262 {1}	1000.000	0.000	100.0#	0	-16.88#
36	L8 Aroclor-1262 {2}	1000.000	0.000	100.0#	0	-17.73#
37	L8 Aroclor-1262 {3}	1000.000	0.000	100.0#	0	-18.50#
38	L8 Aroclor-1262 {4}	1000.000	0.000	100.0#	0	-19.52#
39	L8 Aroclor-1262 {5}	1000.000	0.000	100.0#	0	-21.14#
40	L9 Aroclor-1268 {1}	1000.000	0.000	100.0#	0	-19.38#
41	L9 Aroclor-1268 {2}	1000.000	0.000	100.0#	0	-19.55#
42	L9 Aroclor-1268 {3}	1000.000	0.000	100.0#	0	-20.25#
43	L9 Aroclor-1268 {4}	1000.000	0.000	100.0#	0	-21.06#
44	L9 Aroclor-1268 {5}	1000.000	0.000	100.0#	0	-21.95#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062901.D 5PCB4G03.M Tue Jun 29 15:35:28 2004 Page 3

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 15:26 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX	4.29	5.83	6230122	7502327	108.542	106.777
Spiked Amount 50.000	Range 30 - 150		Recovery =		217.08%#	213.55%#
45) S DCB	18.95	22.48	8259858	6680056	89.297	82.628
Spiked Amount 50.000	Range 30 - 150		Recovery =		178.59%#	165.26%#
Target Compounds						
2) L1 Aroclor-1016 {1}	5.98	8.35	2567971	2920505	1099.417	1057.799
3) L1 Aroclor-1016 {2}	7.14	9.64	5828762	6104694	1091.908	1135.091
4) L1 Aroclor-1016 {3}	7.47	10.01	2318680	2805636	1040.919	1096.527
5) L1 Aroclor-1016 {4}	8.54	10.60	2445075	1399662	1053.349	1121.899
6) L1 Aroclor-1016 {5}	10.26	11.68	1241205	2313354	1080.543	1046.286
Sum Aroclor-1016			14401693	15543850	5366.137	5457.602
Average Aroclor-1016					1073.227	1091.520
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260 {1}	11.81	14.89	3658193	3511528	1079.156	1049.044
31) L7 Aroclor-1260 {2}	12.58	15.50	6535646	4588918	1068.629	1128.538
32) L7 Aroclor-1260 {3}	13.32	16.47	5740301	5408271	1018.707	934.991
33) L7 Aroclor-1260 {4}	14.30	16.73	3503233	3422665	1097.373	1014.617
34) L7 Aroclor-1260 {5}	15.93	17.54	3678594	3468388	1175.736	1001.198

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062901.D 5PCB4G03.M Tue Jun 29 15:26:26 2004 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 15:26 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

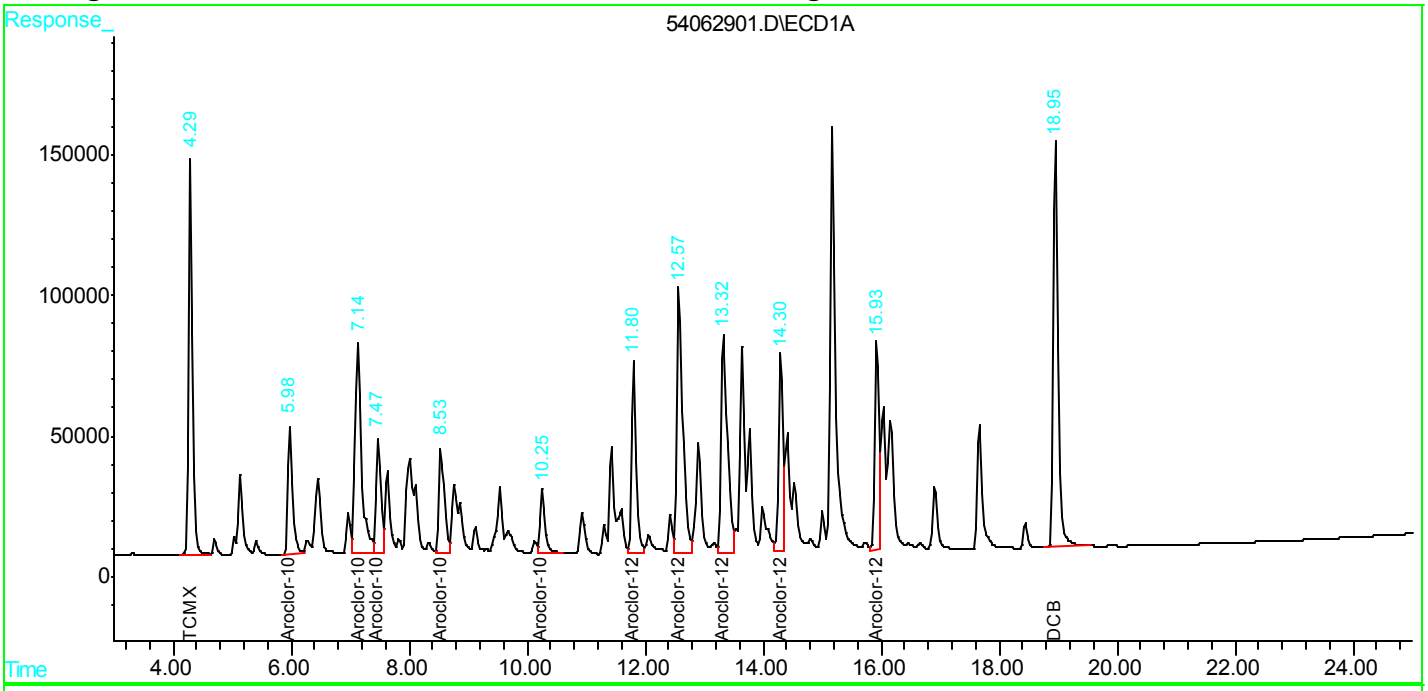
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
Sum Aroclor-1260			23115967	20399770	5439.601	5128.388
Average Aroclor-1260					1087.920	1025.678
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

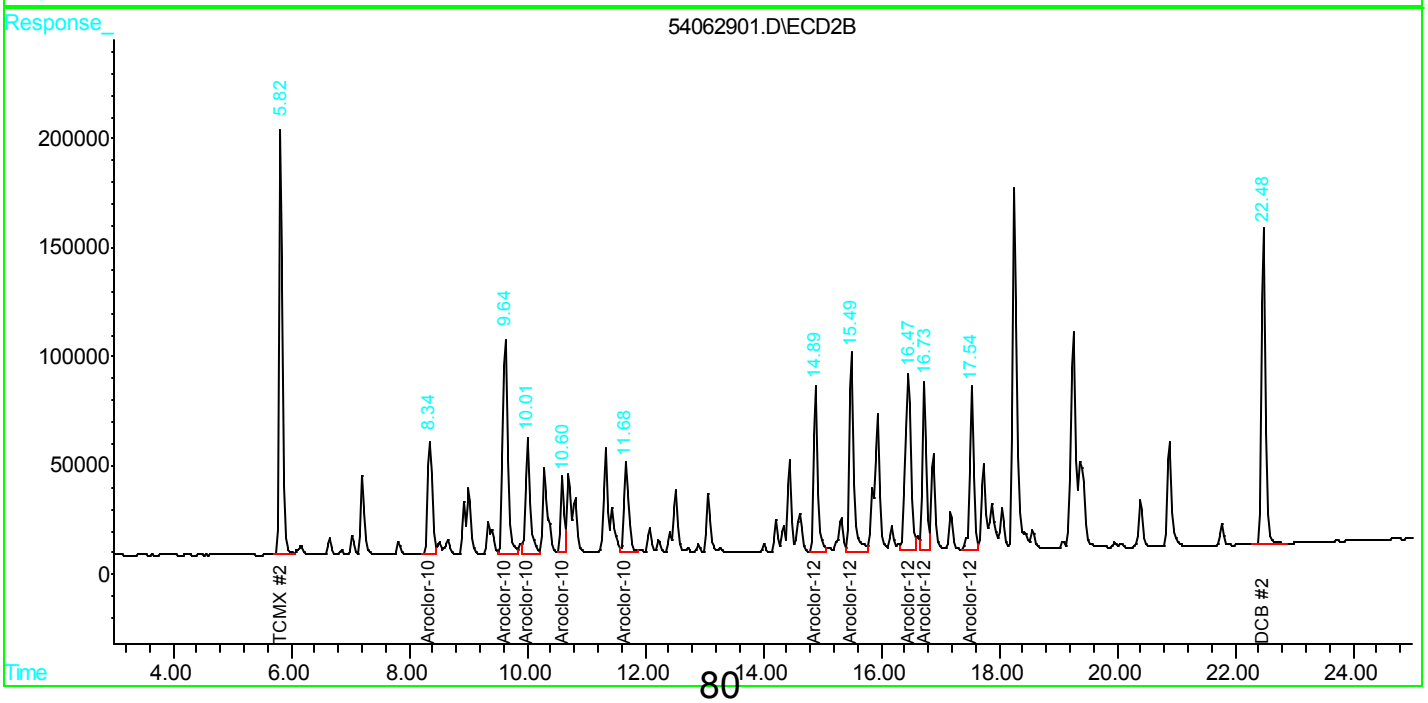
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD1A.CH Vial: 51
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062901.D\ECD2B.CH
Acq On : 29 Jun 2004 2:59 pm Operator: JMZ
Sample : 1660-05 Inst : GC-5
Misc : CCV 8082_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 15:26 2004 Quant Results File: 5PCB4G03.RES

Quant Method : E:\HPCHEM\1...\5PCB4G03.M (Chemstation Integrator)
Title : PCB 6/3/04 Update AR1660 from 5PCB4E10.M
Last Update : Fri Jun 25 15:31:05 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **6/28/2004 11:25:11**
Prep End Date: **6/28/2004 3:29:31 P**

Prep Batch **47170** Prep Code: **3580A_PEST** Technician: **Zafer Sarihan**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406D44-001A	Waste		0.00104	0	0	10	9615.385	6/28/2004	6/28/2004
0406D44-001AMS	Waste		0.00106	0	0	10	9433.962	6/28/2004	6/28/2004
0406D44-001AMSD	Waste		0.00108	0	0	10	9259.259	6/28/2004	6/28/2004
LCS-47170			0.001	0	0	10	10000.000	6/28/2004	6/28/2004
MB-47170			0.001	0	0	10	10000.000	6/28/2004	6/28/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_TCL_X

Sample ID **MB-47170** SampType: **MBLK** TestCode: **8081_TCL_X** Units: **mg/Kg** Prep Date: **6/28/2004** RunNo: **52724**
Client ID: Batch ID: **47170** TestNo: **SW8081A** Analysis Date: **6/29/2004** SeqNo: **1012664**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	BRL	0.10									
4,4´-DDE	BRL	0.10									
4,4´-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
alpha-Chlordane	BRL	0.050									
beta-BHC	BRL	0.050									
Chlordane	BRL	5.0									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
Endrin ketone	BRL	0.10									
gamma-BHC	BRL	0.050									
gamma-Chlordane	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	5.0									
Surr: Decachlorobiphenyl	0.4425	0	0.5	0	88.5	30	150	0	0		
Surr: Tetrachloro-m-xylene	0.5404	0	0.5	0	108	30	150	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_TCL_X

Sample ID **LCS-47170**	SampType: **LCS**	TestCode: **8081_TCL_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52724**
Client ID:	Batch ID: **47170**	TestNo: **SW8081A**		Analysis Date: **6/29/2004**	SeqNo: **1012666**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	1.258	0.10	1.25	0	101	38	127	0	0		
Aldrin	0.541	0.050	0.5	0	108	40	120	0	0		
Dieldrin	1.378	0.10	1.25	0	110	52	126	0	0		
Endrin	1.354	0.10	1.25	0	108	56	121	0	0		
gamma-BHC	0.5046	0.050	0.5	0	101	56	123	0	0		
Heptachlor	0.4651	0.050	0.5	0	93	40	131	0	0		
Surr: Decachlorobiphenyl	0.4437	0	0.5	0	88.7	30	150	0	0		
Surr: Tetrachloro-m-xylene	0.5207	0	0.5	0	104	30	150	0	0		

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0406D44
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_TCL_X

Sample ID **0406D44-001AMS**	SampType: **MS**	TestCode: **8081_TCL_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52724**
Client ID: **JW-WA-03**	Batch ID: **47170**	TestNo: **SW8081A**		Analysis Date: **6/29/2004**	SeqNo: **1012672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	1.056	0.094	1.179	0	89.6	38	127	0	0		
Aldrin	0.4626	0.047	0.4717	0	98.1	40	120	0	0		
Dieldrin	1.11	0.094	1.179	0	94.1	52	126	0	0		
Endrin	1.1	0.094	1.179	0	93.3	56	121	0	0		
gamma-BHC	0.3472	0.047	0.4717	0	73.6	56	123	0	0		
Heptachlor	0.3425	0.047	0.4717	0	72.6	40	131	0	0		
Surr: Decachlorobiphenyl	0.3532	0	0.4717	0	74.9	30	150	0	0		
Surr: Tetrachloro-m-xylene	0.4291	0	0.4717	0	91	30	150	0	0		

Sample ID **0406D44-001AMSD**	SampType: **MSD**	TestCode: **8081_TCL_X**	Units: **mg/Kg**	Prep Date: **6/28/2004**	RunNo: **52724**
Client ID: **JW-WA-03**	Batch ID: **47170**	TestNo: **SW8081A**		Analysis Date: **6/29/2004**	SeqNo: **1012674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.9603	0.093	1.157	0	83	38	127	1.056	9.53	0	
Aldrin	0.4638	0.046	0.463	0	100	40	120	0.4626	0.261	0	
Dieldrin	1.079	0.093	1.157	0	93.2	52	126	1.11	2.82	0	
Endrin	1.083	0.093	1.157	0	93.6	56	121	1.1	1.61	0	
gamma-BHC	0.3347	0.046	0.463	0	72.3	56	123	0.3472	3.68	0	
Heptachlor	0.3294	0.046	0.463	0	71.1	40	131	0.3425	3.90	0	
Surr: Decachlorobiphenyl	0.3388	0	0.463	0	73.2	30	150	0.3532	0	0	
Surr: Tetrachloro-m-xylene	0.4198	0	0.463	0	90.7	30	150	0.4291	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

Injection Log

Directory: E:\HPCHEM\1\DATA\540528

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	54052801.D	1.	HEXANE 8172	CCV 8082_W	28 May 2004 08:41
2	2	54052802.D	1.	1660-04 4055	CCV 8082_W	28 May 2004 09:10
3	6	54052803.D	1.	MB-46088	MBLK 8082_W	28 May 2004 09:40
4	7	54052804.D	1.	LCS-46088	LCS 8082_W	28 May 2004 10:09
5	9	54052805.D	1.	0405B76-002C 46088	SAMP 8082_W	28 May 2004 10:39
6	10	54052806.D	1.	0405B76-002CMS 46088	MS 8082_W	28 May 2004 11:09
7	11	54052807.D	1.	0405B76-002CMSD 46088	MSD 8082_W	28 May 2004 11:38
8	20	54052808.D	1.	0405C37-001B 46088	SAMP 8082_W	28 May 2004 12:08
9	21	54052809.D	1.	0405C37-002B 46088	SAMP 8082_W	28 May 2004 12:37
10	22	54052810.D	1.	0405C37-003B 46088	SAMP 8082_W	28 May 2004 13:07
11	13	54052811.D	1.	1660-05 4055	CCV 8082_W	28 May 2004 13:37
12	1	54052812.D	1.	HEXANE 8497	CCB 8081	28 May 2004 18:03
13	2	54052813.D	1.	PEM 4065	CCV 8081	28 May 2004 17:25
14	85	54052814.D	1.	INDA-01 4020	ICAL 8081	28 May 2004 18:32
15	86	54052815.D	1.	INDA-02 4020	ICAL 8081	28 May 2004 19:01
16	87	54052816.D	1.	INDA-03 4020	ICAL 8081	28 May 2004 19:31
17	88	54052817.D	1.	INDA-04 4020	ICAL 8081	28 May 2004 20:00
18	89	54052818.D	1.	INDA-05 4020	ICAL 8081	28 May 2004 20:29
19	90	54052819.D	1.	INDA-06 4020	ICAL 8081	28 May 2004 20:58
20	91	54052820.D	1.	INDA-07 4020	ICAL 8081	28 May 2004 21:27
21	92	54052821.D	1.	INDB-01 4021	ICAL 8081	28 May 2004 21:56
22	93	54052822.D	1.	INDB-02 4021	ICAL 8081	28 May 2004 22:25
23	94	54052823.D	1.	INDB-03 4021	ICAL 8081	28 May 2004 22:55
24	95	54052824.D	1.	INDB-04 4021	ICAL 8081	28 May 2004 23:24
25	96	54052825.D	1.	INDB-05 4021	ICAL 8081	28 May 2004 23:53
26	97	54052826.D	1.	INDB-06 4021	ICAL 8081	29 May 2004 00:22
27	98	54052827.D	1.	INDB-07 4021	ICAL 8081	29 May 2004 00:51
28	99	54052828.D	1.	ICV 4052	ICV 8081	29 May 2004 01:20
29	2	54052829.D	1.	PEM 4065	CCV 8081	29 May 2004 01:49
30	5	54052830.D	1.	TOXA 04 4036	CCV 8081	29 May 2004 02:18
31	6	54052831.D	1.	CHLO 04 4040	CCV 8081	29 May 2004 02:47
32	7	54052832.D	1.	MB-46077	MBLK 8081	29 May 2004 03:17
33	8	54052833.D	1.	LCS-46077-1	LCS 8081	29 May 2004 03:46
34	9	54052834.D	1.	LCS-46077-2	LCS 8081	29 May 2004 04:15
35	10	54052835.D	1.	0405B21-001B 46077	SAMP 8081	29 May 2004 04:44
36	11	54052836.D	1.	0405B21-001BMS-1 46077	MS 8081	29 May 2004 05:13
37	12	54052837.D	1.	0405B21-001BMS-2 46077	MS 8081	29 May 2004 05:42
38	13	54052838.D	1.	0405C58-001B 46077	SAMP 1311_P	29 May 2004 06:11
39	14	54052839.D	1.	MB-46064	MBLK 8081_TCL_S	29 May 2004 06:40
40	15	54052840.D	1.	LCS-46064	LCS 8081_TCL_S	29 May 2004 07:10
41	16	54052841.D	1.	0405B35-001B 46064	SAMP 8081_TCL_S	29 May 2004 07:39
42	17	54052842.D	1.	0405B35-001BMS 46064	MS 8081_TCL_S	29 May 2004 08:08
43	18	54052843.D	1.	0405B35-001BMSD 46064	MSD 8081_TCL_S	29 May 2004 08:37
44	19	54052844.D	1.	INDA-07 4020	CCV 8081_TCL_S	29 May 2004 09:06
45	20	54052845.D	1.	INDB-07 4021	CCV 8081_TCL_S	29 May 2004 09:36
46	21	54052846.D	1.	TOXA-05 4036	CCV 8081_TCL_S	29 May 2004 10:05

Injection Log

Directory: E:\HPCHEM\1\DATA\540528

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
47	22	54052847.D	1.	CHLO-05 4040	CCV 8081_TCL_S	29 May 2004 10:34
48	4	54052848.D	1.	PEM 4064	CCV 8081_TCL_S	29 May 2004 11:03
49	23	54052849.D	1.	MB-46087	MBLK 8081_TCL_S	29 May 2004 11:33
50	24	54052850.D	1.	LCS-46087	LCS 8081_TCL_S	29 May 2004 12:02
51	25	54052851.D	1.	0405B24-001A 46087	SAMP 8081_TCL_S	29 May 2004 12:31
52	26	54052852.D	1.	0405B76-001C 46087	SAMP 8081_TCL_S	29 May 2004 13:00
53	27	54052853.D	1.	0405B76-001CMS 46087	MS 8081_TCL_S	29 May 2004 13:29
54	28	54052854.D	1.	0405B76-001CMSD 46087	MSD 8081_TCL_S	29 May 2004 13:59
55	29	54052855.D	1.	0405B76-002C 46087	SAMP 8081_TCL_S	29 May 2004 14:28
56	30	54052856.D	1.	0405B76-003C 46087	SAMP 8081_TCL_S	29 May 2004 14:57
57	31	54052857.D	1.	0405C37-001B 46087	SAMP 8081_TCL_S	29 May 2004 15:26
58	32	54052858.D	1.	0405C37-002B 46087	SAMP 8081_TCL_S	29 May 2004 15:56
59	33	54052859.D	1.	0405C37-003B 46087	SAMP 8081_TCL_S	29 May 2004 16:25
60	34	54052860.D	1.	INDA 04 4020	CCV 8081_TCL_S	29 May 2004 16:54
61	35	54052861.D	1.	INDB 04 4021	CCV 8081_TCL_S	29 May 2004 17:23
62	36	54052862.D	1.	TOXA 04 4036	CCV 8081_TCL_S	29 May 2004 17:52

Calibration Curve Review Checklist for GC Methods

Matrix: **CH2CL2** Instrument: **MS-10** Date Prepared: **5/24/2004**

Test Method: **B052404.M** Curve ID: _____

	Col 1	Col 2
• Does the calibration curve contain a minimum of 5 points.	✔	✔
• If average response factor used in calculation are all compound RSD ±20% for 8000 Methods and FL PRO or 10% for 600 Methods	✔	
• If linear regression used in calculation, is the correlation coefficient (r) > 0.995		✔
• Is the lowest data point in each curve at the PQL in LIMS	✔	✔
List any analytes with data point below or above PQL		
• Is the highest data point in each curve at the UQL in LIMS		✔
List any analytes with highest standard below UQL		
• Is the retention time RT of each target analyte in each calibration standard within the RT window.	✔	✔
• Does the ICV pass (% D < = 15% for each analyte or average of all %Ds ≤15% for 8000 Methods; ≤20% for FL PRO; % D ≤15% for each target for 600s)	✔	✔
• Is ICV a second source standard from ICAL standards	✔	✔
• Is the standard preparation information included and properly signed and dated.	✔	✔
• Is run log included and properly signed and dated.	✔	✔
• Are all chromatograms included and properly signed and dated.	✔	✔

Comments:

Analyst: _____ Date: **5/25/2004** Time: **12:43 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

Comments:

ICV failed for hexachlorocyclopentadiene at first time.

Instrument Performance Evaluation- %Breakdown of Endrin & DDT

Data File Name **54052813.D**
Date Acquired **5/28/2004 5:25**
Acq. Method File **RTXCLP.M**
Sample Name **PEM 4065**
Misc Info CCV 8081

Instrument Name **GC-5**

Column #1

#	Name	Ret Time	Amount	Units	Target Response
12)	4,4'-DDE	0.00	0.00	ng/mL	0
14)	Endrin	12.23	49.34	ng/mL	3059454.195
16)	4,4'-DDD	12.70	9.99	ng/mL	352331.411
17)	4,4'-DDT	13.44	93.64	ng/mL	5305431.35
18)	Endrin aldehyde	14.04	2.02	ng/mL	117121.275
21)	Endrin ketone	15.91	2.67	ng/mL	178206.952

Column #2

#	Name	Ret Time	Amount	Units	Target Response
45)	4,4'-DDE #2	0.00	0.00	ng/mL	0
47)	Endrin #2	15.17	53.78	ng/mL	3255205.75
49)	4,4'-DDD #2	15.70	9.30	ng/mL	432279.338
50)	4,4'-DDT #2	16.56	99.97	ng/mL	5061085.806
51)	Endrin aldehyde #2	16.76	2.38	ng/mL	134633.619
54)	Endrin ketone #2	18.96	5.56	ng/mL	365243.128

*** note target responses used in calculations**

Column #1

Endrin % Breakdown

$$\frac{\textit{Endrin Aldehyde+Endrin Ketone}}{\textit{Endrin+EndrinAldehyde+EndrinKetone}} = \mathbf{8.80\%}$$

DDT % Breakdown

$$\frac{\textit{p,p'-DDE+p,p'-DDD}}{\textit{p,p'-DDT+p,p'-DDE+p,p'-DDD}} = \mathbf{6.23\%}$$

Column #2

Endrin % Breakdown

$$\frac{\textit{Endrin Aldehyde+EndrinKetone}}{\textit{Endrin+EndrinAldehyde+EndrinKetone}} = \mathbf{13.31\%}$$

DDT % Breakdown

$$\frac{\textit{p,p'-DDE+p,p'-DDD}}{\textit{p,p'-DDT+p,p'-DDE+p,p'-DDD}} = \mathbf{7.87\%}$$

Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M (Che
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004

Calibration Files
7 =54052827.D 6 =54052826.D 5 =54052825.D
4 =54052824.D 3 =54052823.D 2 =54052822.D

		Compound	7	6	5	4	3	2	Avg		%RSD
1)	SA	TCMX	5.687	5.893	6.000	5.963	5.707	5.933	5.798	E4	3.65
2)	A	alpha-BHC	9.208	9.111	9.282	8.470	7.173	6.525	7.829	E4	20.88
3)	MA	gamma-BHC	8.374	8.204	8.526	7.898	6.897	6.403	7.348	E4	17.09
4)	MA	Heptachlor	8.898	9.415	9.452	9.389	9.013	9.295	9.078	E4	5.36
5)	MB	Aldrin	0.784	0.817	0.835	0.845	1.027	0.868	0.883	E5	10.64
6)	B	beta-BHC	4.054	4.234	4.282	3.996	3.688	3.549	3.894	E4	8.47
7)	B	delta-BHC	8.618	8.770	8.740	7.655	6.482	5.344	7.198	E4	23.29
8)	B	Hept epoxide	7.216	7.673	7.910	7.651	7.419	7.103	7.405	E4	4.96
9)	A	Endosulfan I	6.963	7.277	7.406	7.351	7.070	7.109	7.055	E4	5.76
10)	B	gamma-Chlordane	7.942	8.338	8.486	7.997	7.528	7.088	7.762	E4	7.63
11)	B	alpha-Chlordane	8.108	8.539	8.716	8.359	7.960	7.557	8.078	E4	6.36
12)	B	4,4'-DDE	6.974	7.337	7.582	7.098	6.413	5.720	6.650	E4	12.37
13)	MA	Dieldrin	6.575	7.205	7.081	7.161	6.821	6.900	6.799	E4	6.96
14)	MA	Endrin	5.928	6.592	6.322	6.338	6.054	6.185	6.089	E4	7.31
15)	B	Endosulfan II	6.087	6.577	6.849	6.817	6.772	6.533	6.556	E4	4.45
16)	A	4,4'-DDD	5.329	5.823	5.597	5.314	4.691	4.530	5.038	E4	13.02
17)	MA	4,4'-DDT	5.681	5.866	5.664	5.228	4.564	4.272	4.924	E4	19.68
18)	B	Endrin aldehyde	5.178	5.665	6.098	5.831	5.930	5.977	5.815	E4	5.41
19)	B	Endo sulfate	5.818	6.220	6.486	6.447	6.357	6.328	6.257	E4	3.63
20)	A	Methoxychlor	2.502	2.817	2.689	2.802	2.821	3.005	2.767	E4	5.55
21)	B	Endrin ketone	6.216	6.714	7.008	6.819	6.697	6.338	6.538	E4	5.64
22)	L10	Toxaphene {1}		2.238	2.178	1.908	1.678	1.142	1.645	E3	36.46
23)	L10	Toxaphene {2}		2.700	2.668	2.385	2.191	1.587	2.111	E3	29.73
24)	L10	Toxaphene {3}		3.871	3.830	3.519	3.236	2.420	3.121	E3	26.17
25)	L10	Toxaphene {4}		4.453	4.355	4.233	3.578	2.962	3.680	E3	22.01
26)	L10	Toxaphene {5}		2.644	2.571	2.381	2.094	1.473	2.026	E3	32.57
27)	L11	Chlordane {1}	2.798	2.668	2.667	2.454	2.307	2.390	2.600	E3	8.58
28)	L11	Chlordane {2}	3.696	3.599	3.777	3.689	3.566	3.275	3.588	E3	4.57
29)	L11	Chlordane {3}	1.043	1.015	1.036	0.967	0.873	0.842	0.939	E4	10.69
30)	L11	Chlordane {4}	1.560	1.526	1.585	1.504	1.330	1.322	1.406	E4	14.41
31)	L11	Chlordane {5}	3.021	2.872	2.750	2.434	2.308	2.239	2.579	E3	11.67
32)	SA	DCB	0.822	0.909	0.920	0.988	1.038	1.145	0.994	E5	12.16

Signal #2 Calibration Files
7 =54052827.D 6 =54052826.D 5 =54052825.D
4 =54052824.D 3 =54052823.D 2 =54052822.D

		Compound	7	6	5	4	3	2	Avg		%RSD
1)	SA	TCMX	6.476	6.833	6.997	7.170	7.220	7.697	7.060	E4	5.30
2)	A	alpha-BHC	1.074	1.095	1.126	1.088	0.988	0.935	1.006	E5	13.69
3)	MA	gamma-BHC	0.970	0.976	1.022	1.000	0.925	0.896	0.930	E5	10.92
4)	MA	Heptachlor	0.945	1.005	1.042	1.113	1.161	1.393	1.156	E5	16.35
5)	MB	Aldrin	8.222	8.815	9.062	8.786	8.327	7.705	8.319	E4	7.61

(#) = Out of Range ### Number of calibration levels exceeded format ###
56084601.M Wed Jun 02 13:01:19 2004 Page 1

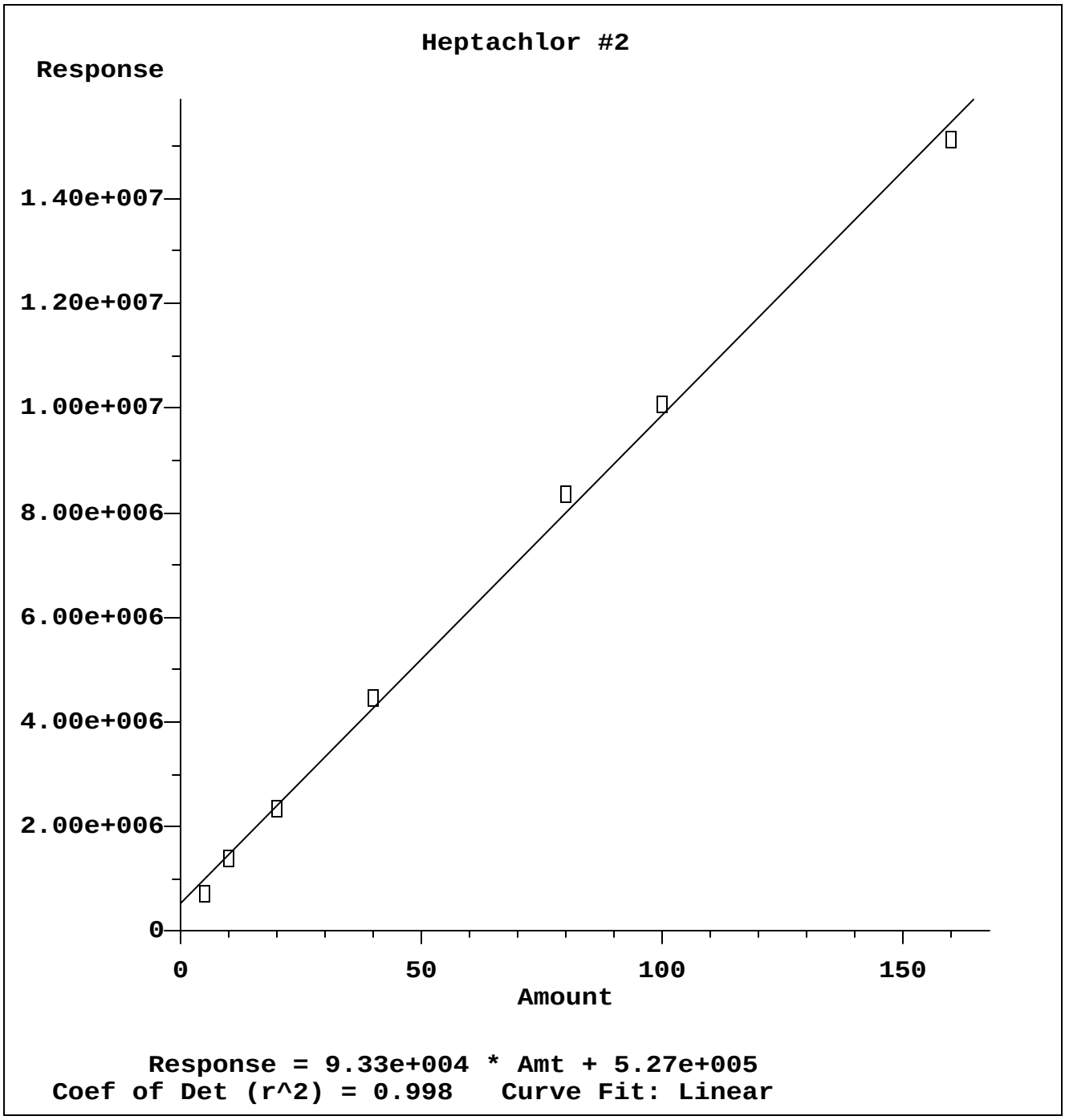
Response Factor Report GC-5

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M (Che
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004

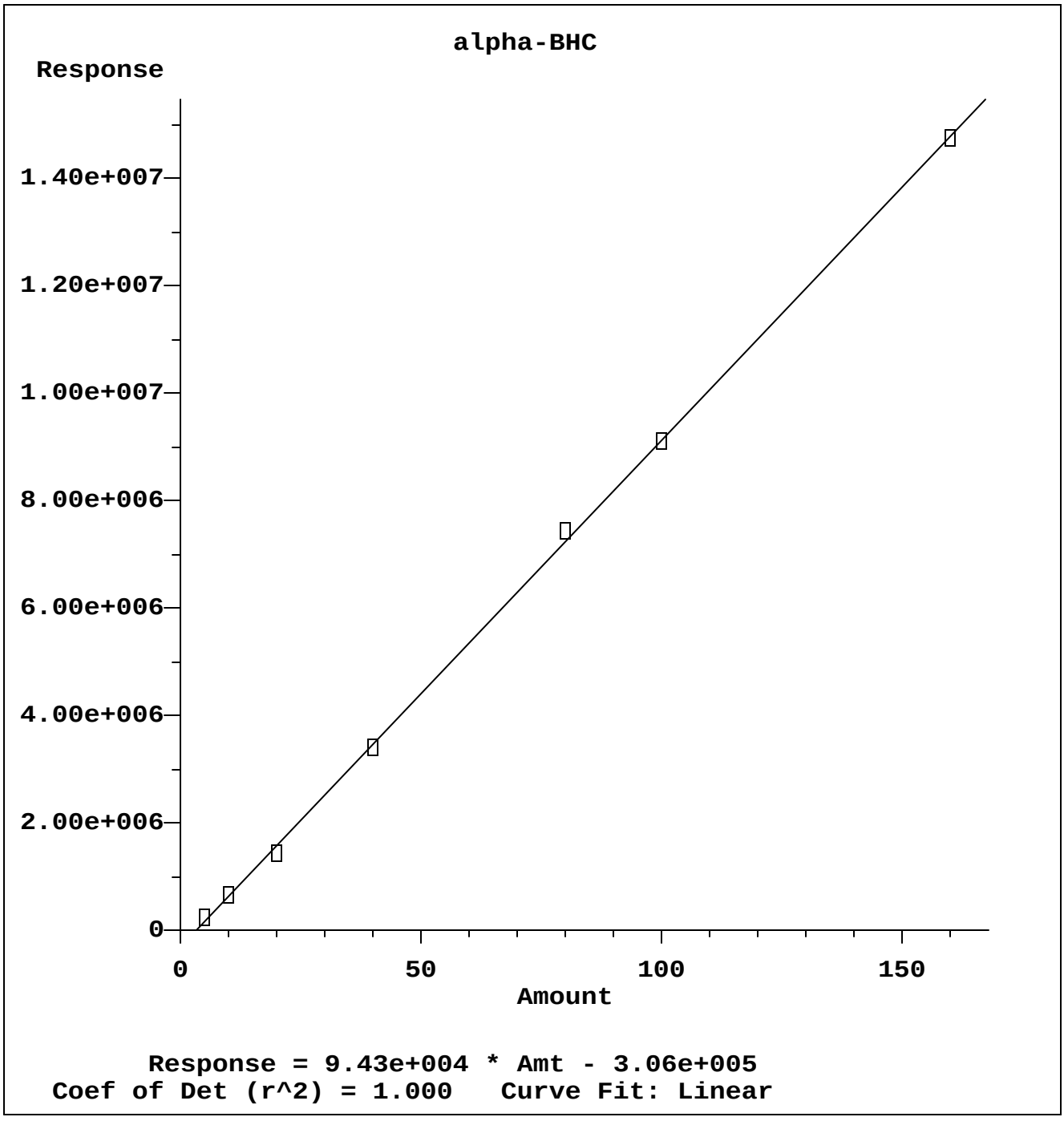
Calibration Files
7 =54052827.D 6 =54052826.D 5 =54052825.D
4 =54052824.D 3 =54052823.D 2 =54052822.D

		Compound	7	6	5	4	3	2	Avg		%RSD
6)	B	beta-BHC	4.542	4.873	5.026	4.943	4.856	4.760	4.818	E4	3.29
7)	B	delta-BHC	0.980	1.042	1.060	0.988	0.899	0.766	0.918	E5	15.45
8)	B	Hept epoxide	7.309	7.938	8.300	8.327	8.333	8.254	8.085	E4	4.57
9)	A	Endosulfan I	7.009	7.668	7.693	7.919	7.824	8.211	7.679	E4	4.96
10)	B	gamma-Chlordane	8.004	8.572	8.832	8.652	8.488	8.218	8.421	E4	3.51
11)	B	alpha-Chlordane	8.133	8.759	9.018	8.983	8.923	8.680	8.721	E4	3.56
12)	B	4,4'-DDE	7.144	7.540	7.892	7.798	7.464	6.944	7.336	E4	6.48
13)	MA	Dieldrin	6.521	7.283	7.204	7.541	7.484	7.781	7.224	E4	6.19
14)	MA	Endrin	5.717	6.531	6.295	6.552	6.526	6.914	6.357	E4	6.35
15)	B	Endosulfan II	5.953	6.565	6.900	7.091	7.260	7.269	6.880	E4	6.91
16)	A	4,4'-DDD	5.541	6.128	5.984	6.015	5.583	5.542	5.671	E4	7.40
17)	MA	4,4'-DDT	5.294	5.592	5.477	5.240	4.733	4.345	4.877	E4	15.62
18)	B	Endrin aldehyde	4.794	5.181	5.685	5.646	5.871	6.164	5.619	E4	8.52
19)	B	Endo sulfate	5.452	5.968	6.248	6.331	6.457	6.592	6.230	E4	6.47
20)	A	Methoxychlor	2.254	2.569	2.464	2.598	2.687	2.989	2.616	E4	8.82
21)	B	Endrin ketone	5.774	6.339	6.693	6.754	6.808	6.730	6.494	E4	5.70
22)	L10	Toxaphene {1}		3.230	3.274	3.101	3.064	2.351	2.856	E3	17.28
23)	L10	Toxaphene {2}		2.759	2.715	2.570	2.244	1.791	2.285	E3	21.14
24)	L10	Toxaphene {3}		2.291	2.208	2.119	1.891	1.526	1.892	E3	20.80
25)	L10	Toxaphene {4}		5.064	5.081	4.741	4.514	3.720	4.364	E3	18.56
26)	L10	Toxaphene {5}		2.755	2.704	2.426	2.241	1.696	2.184	E3	26.77
27)	L11	Chlordane {1}	3.146	3.018	3.343	3.127	2.962	3.091	3.189	E3	7.24
28)	L11	Chlordane {2}	3.628	3.615	3.905	4.098	4.727	8.389	4.784	E3	35.25
29)	L11	Chlordane {3}	1.048	1.010	1.065	1.031	0.944	0.947	0.992	E4	6.32
30)	L11	Chlordane {4}	6.079	6.554	6.886	6.238	5.984	6.162	6.295	E3	5.02
31)	L11	Chlordane {5}	1.060	0.942	0.976	0.979	0.852	0.863	0.935	E4	8.22
32)	SA	DCB	0.667	0.745	0.746	0.821	0.876	0.999	0.838	E5	15.71

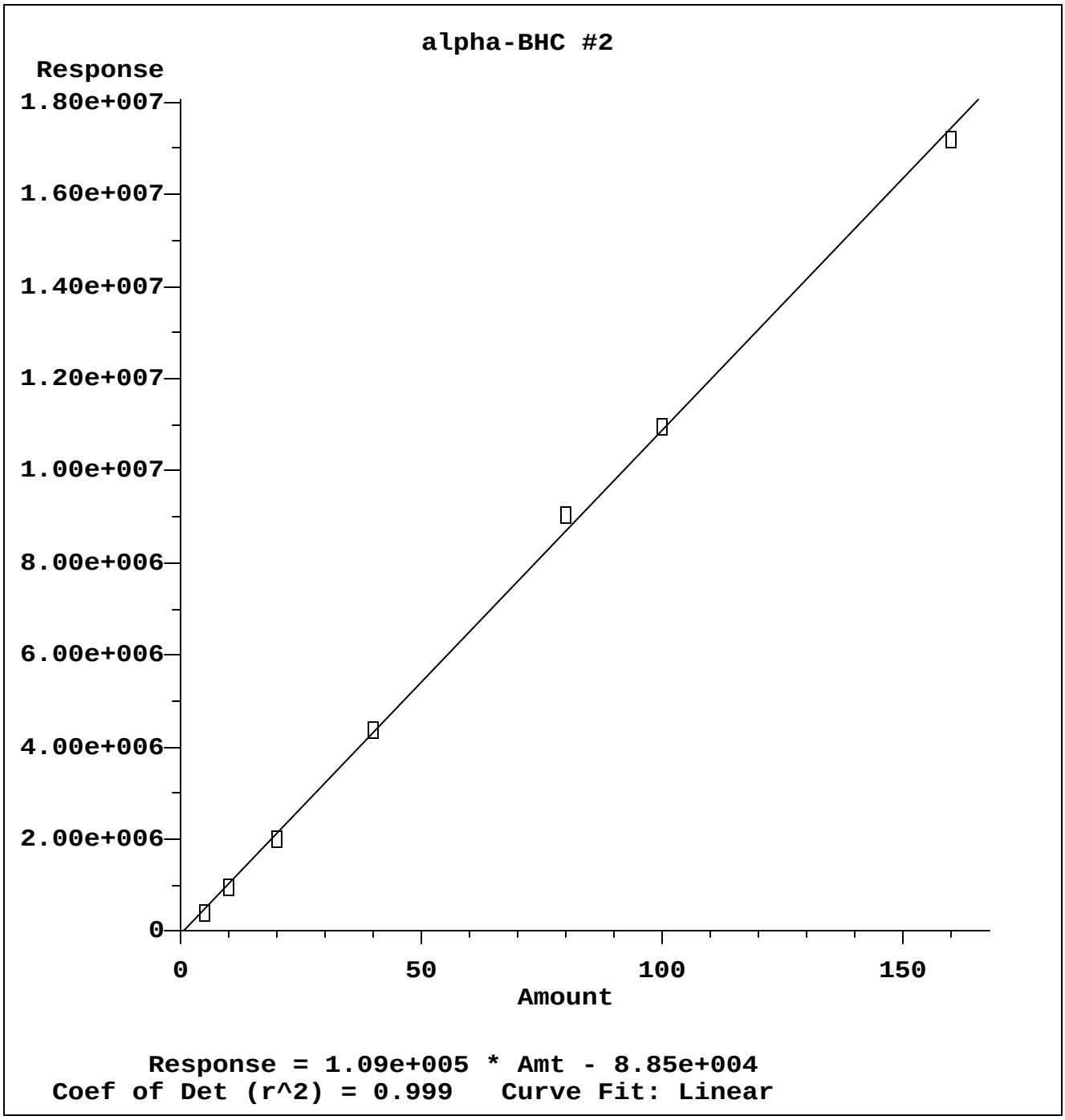
(#) = Out of Range ### Number of calibration levels exceeded format ###



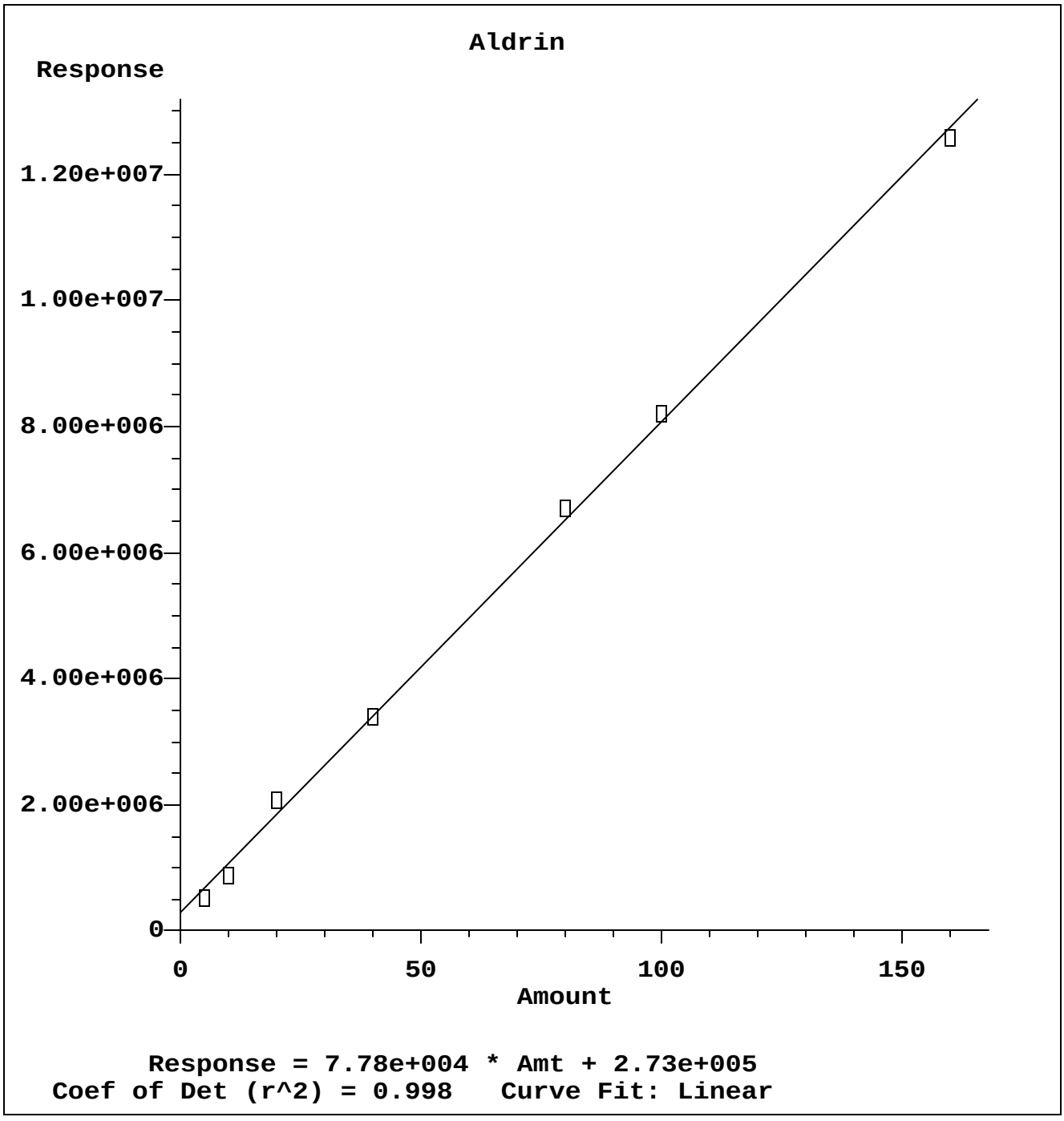
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



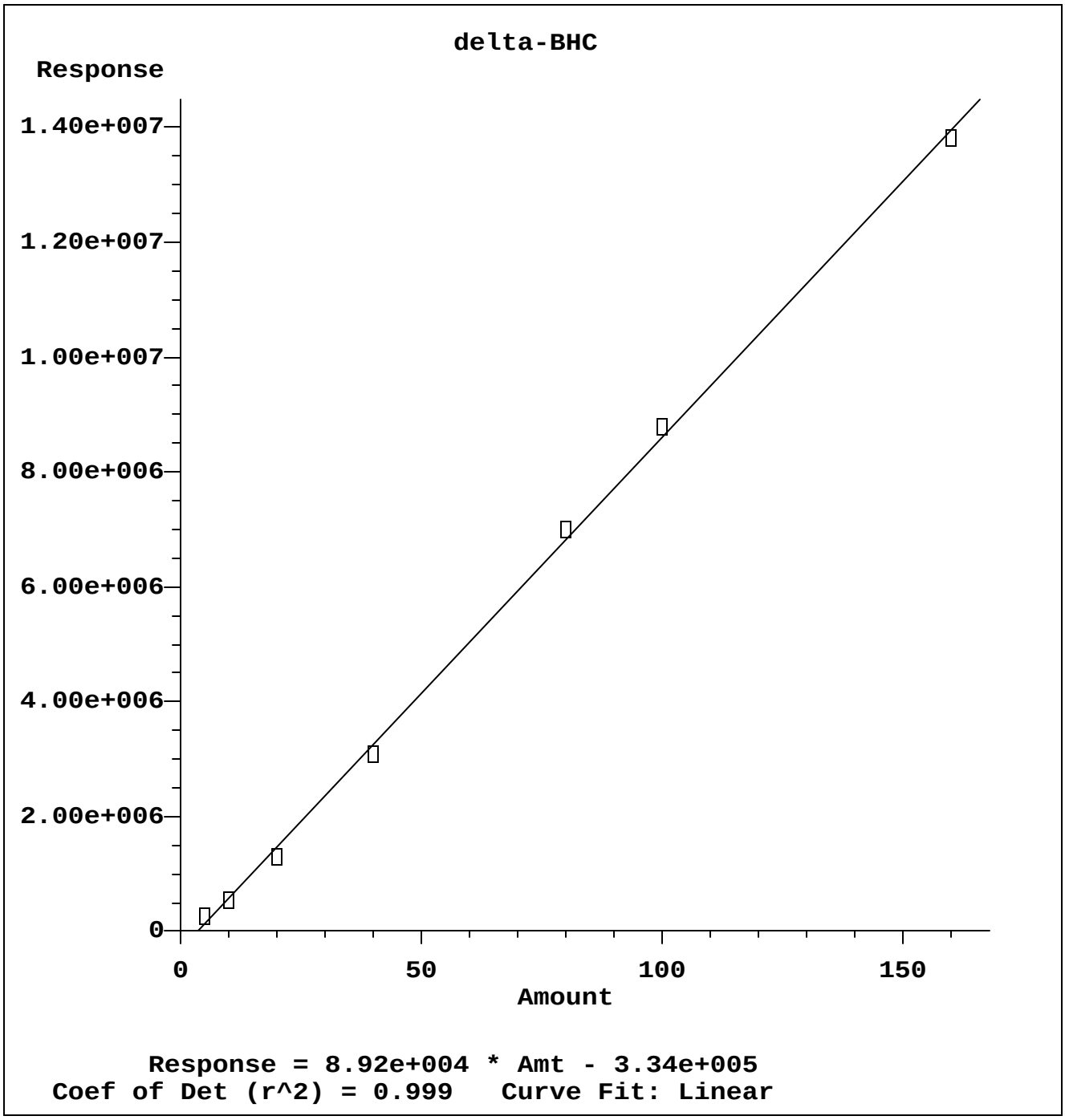
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



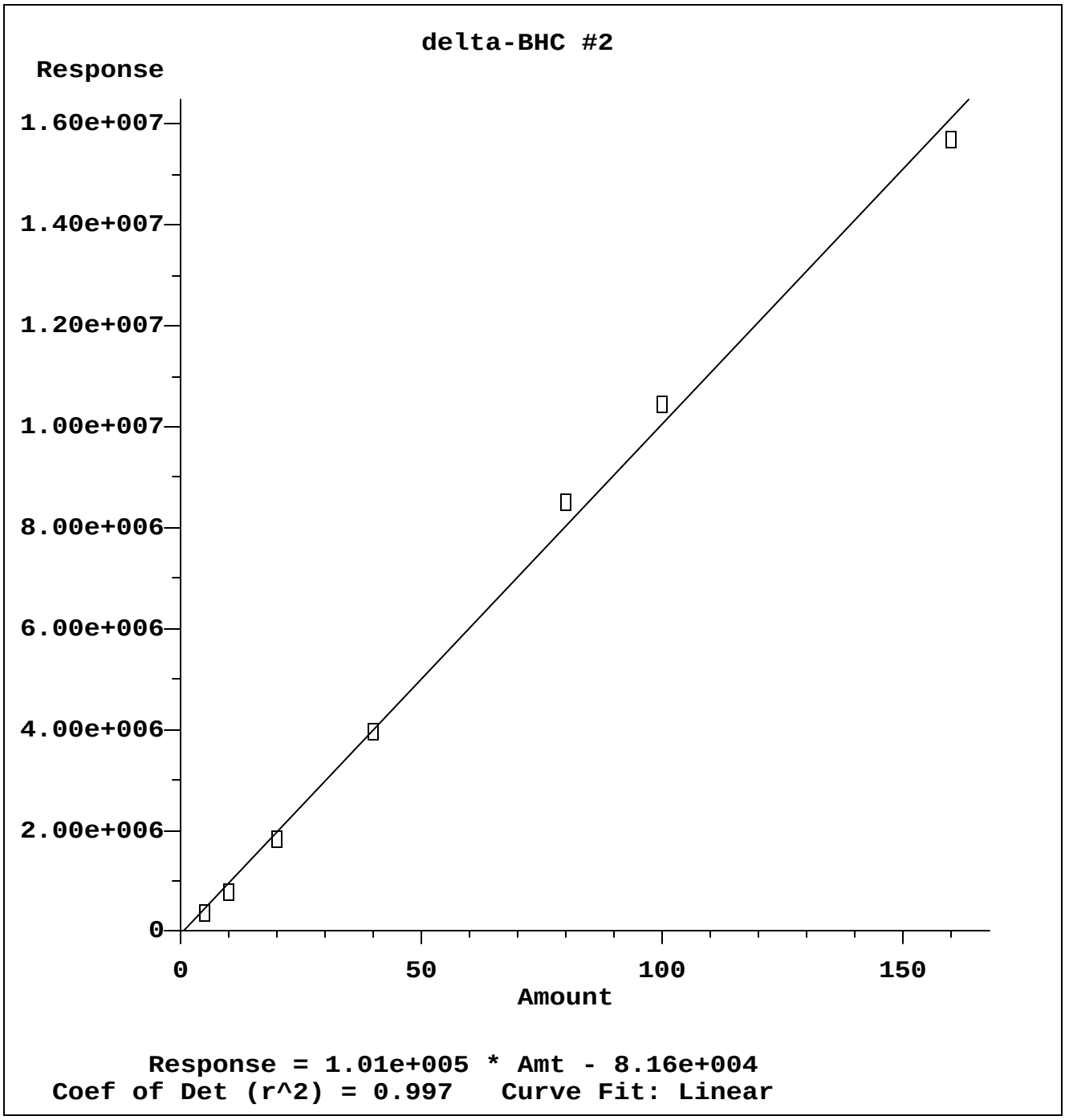
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



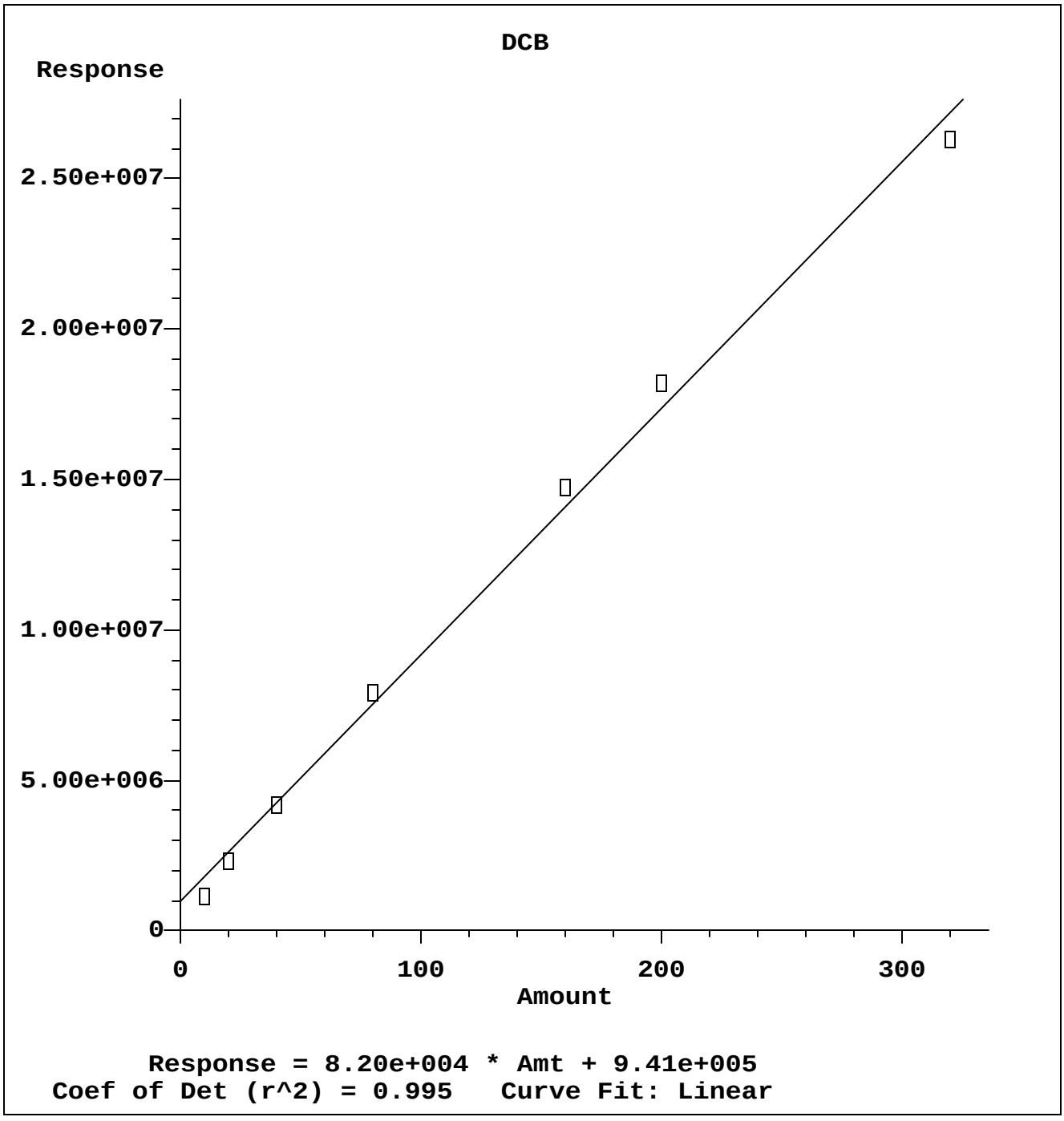
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



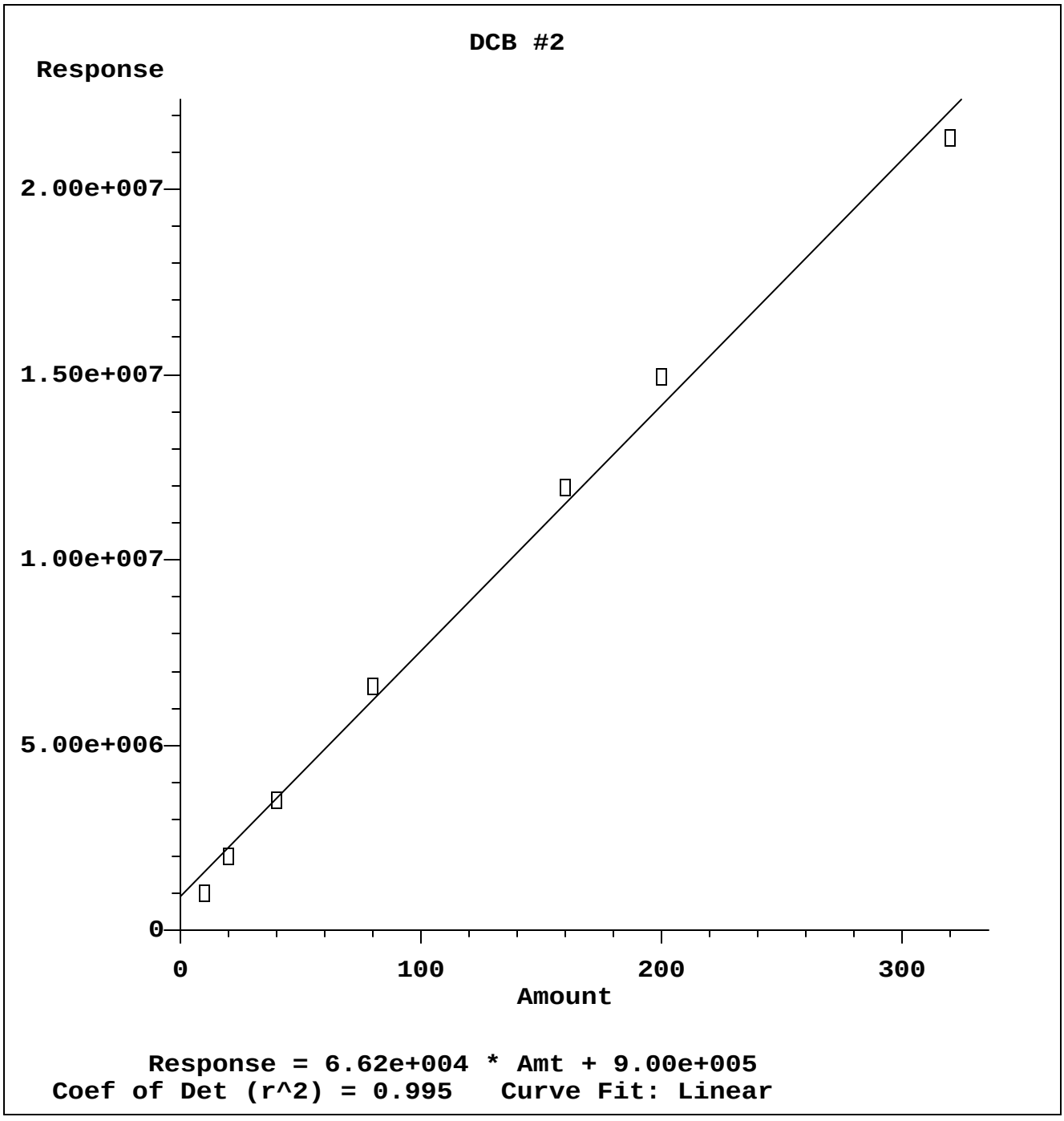
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



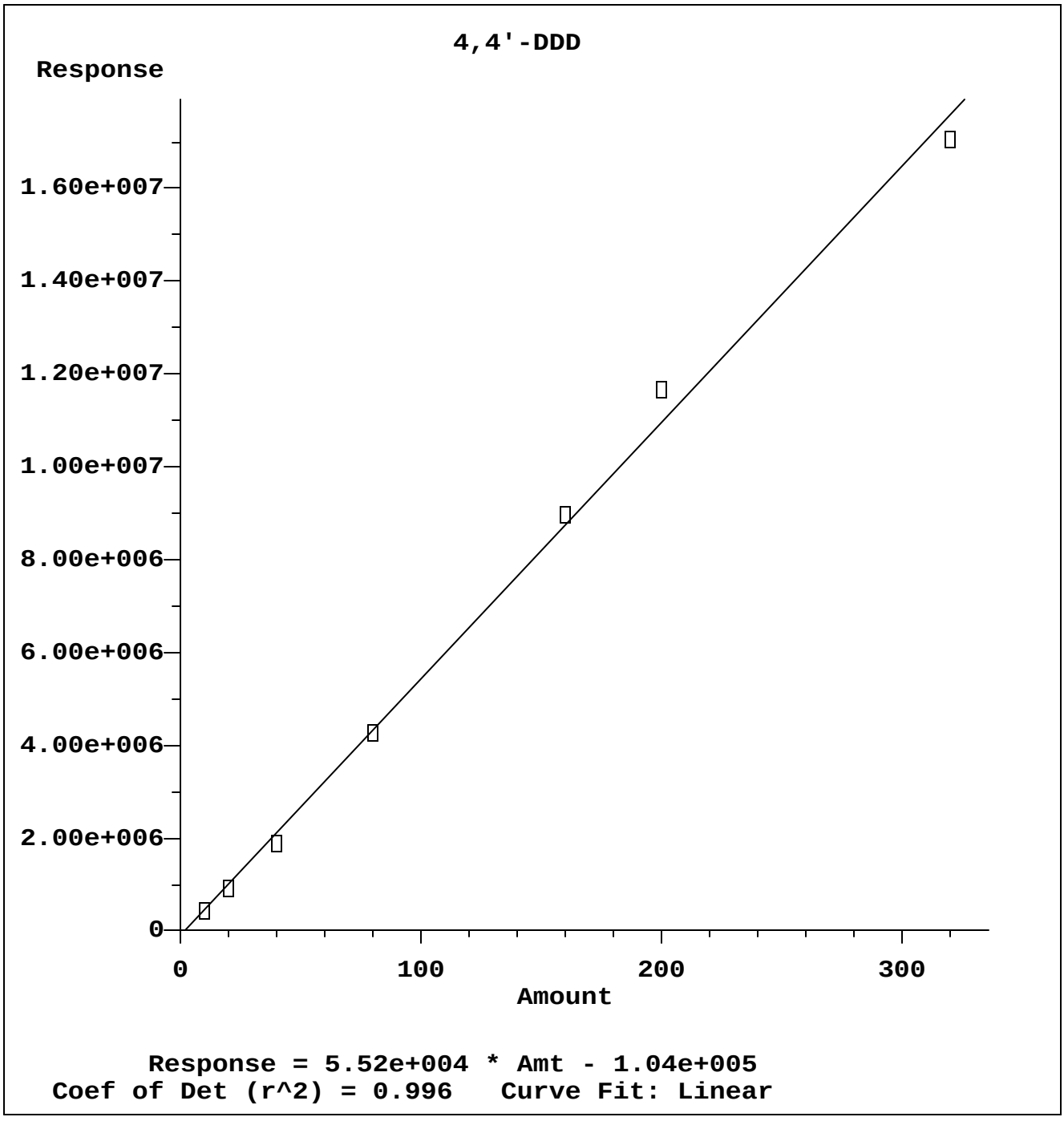
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



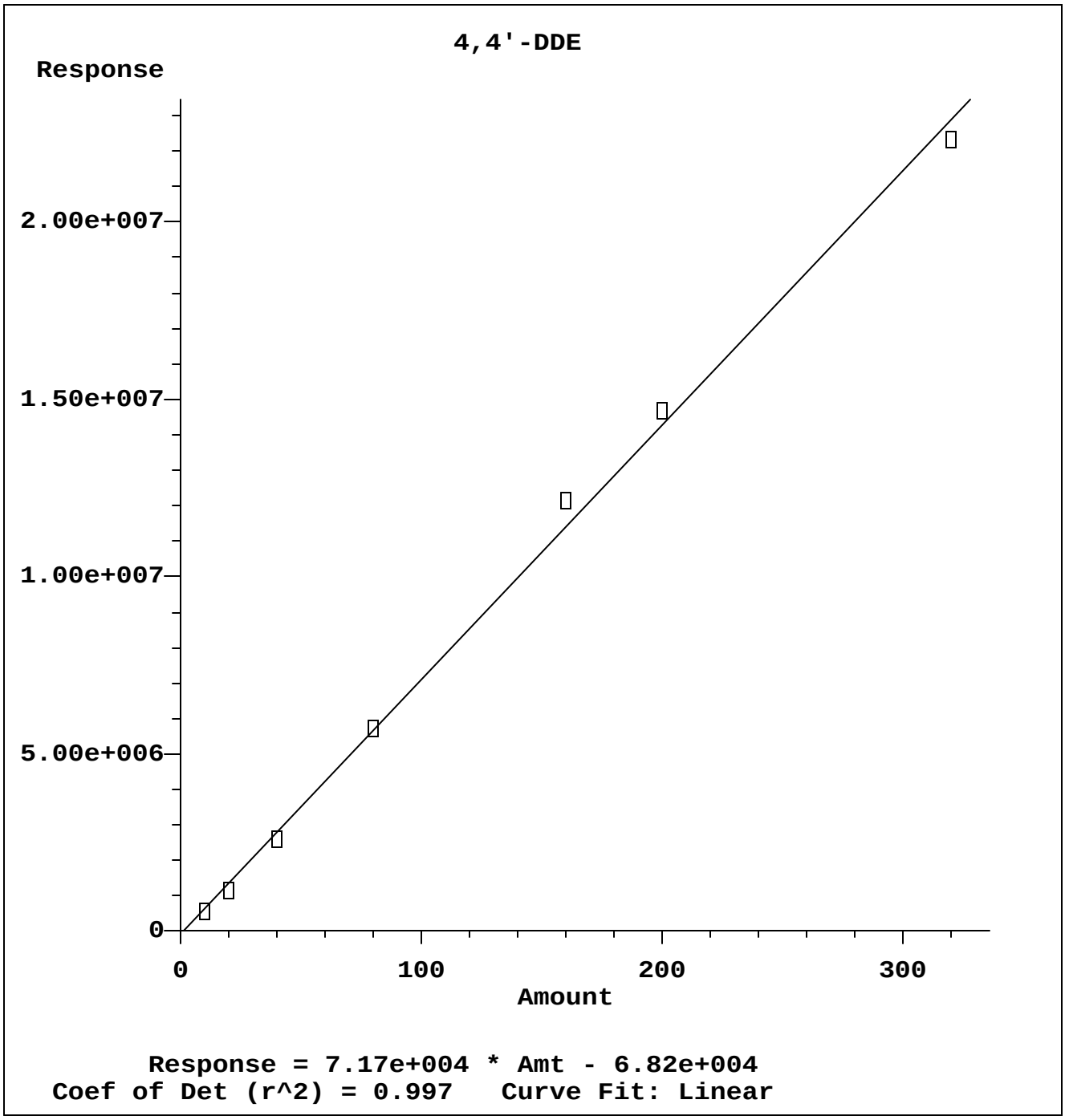
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



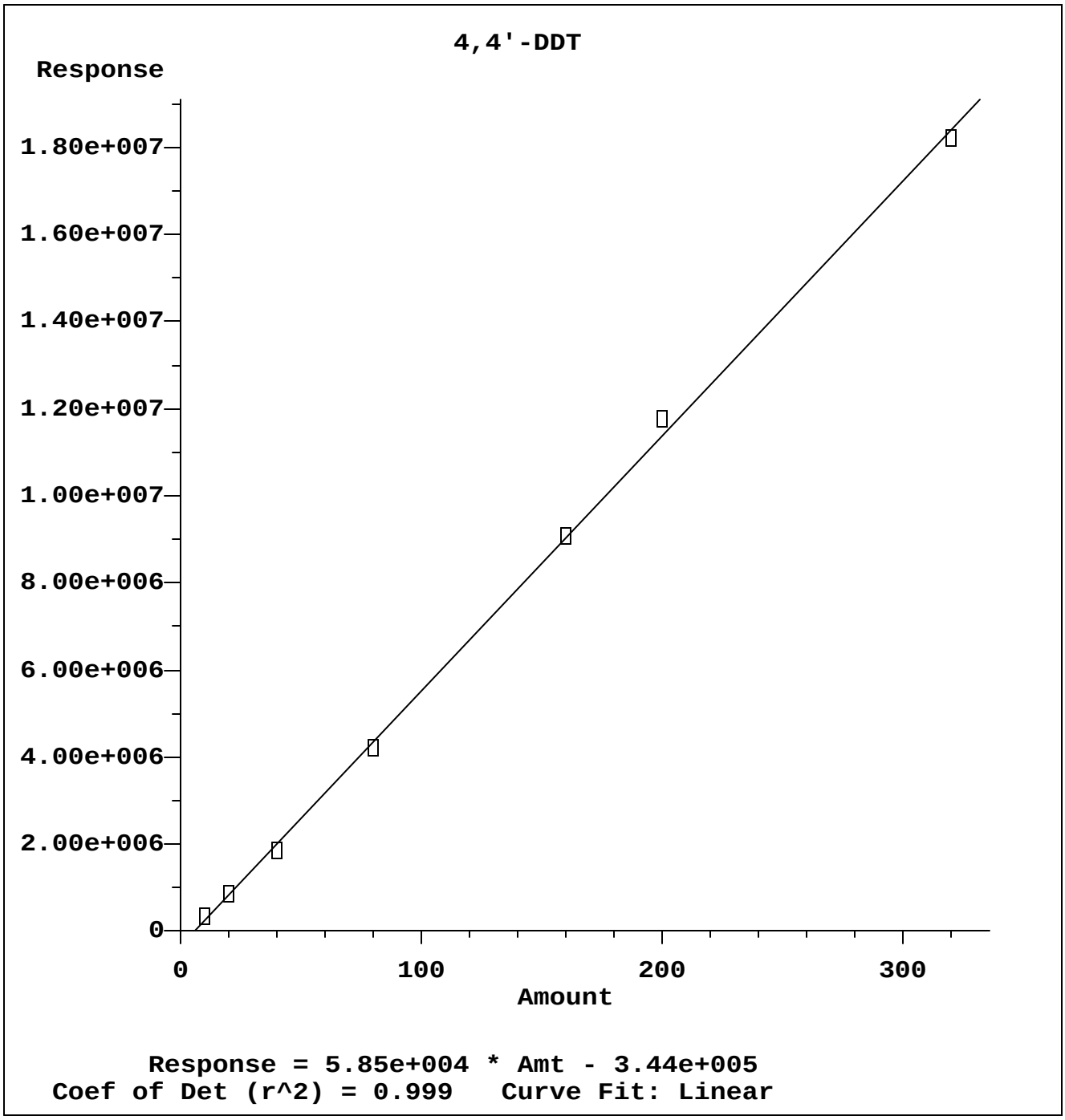
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



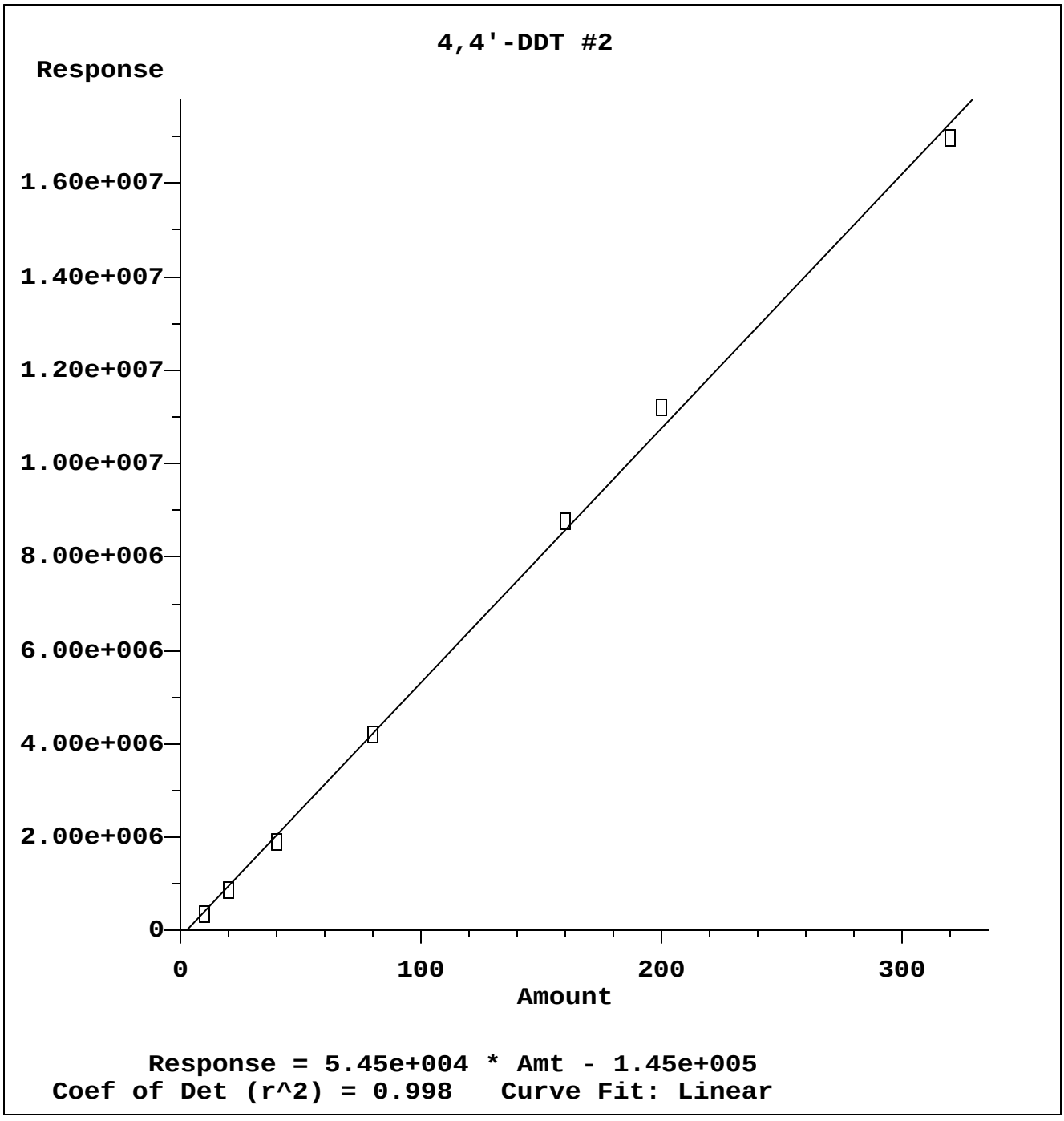
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



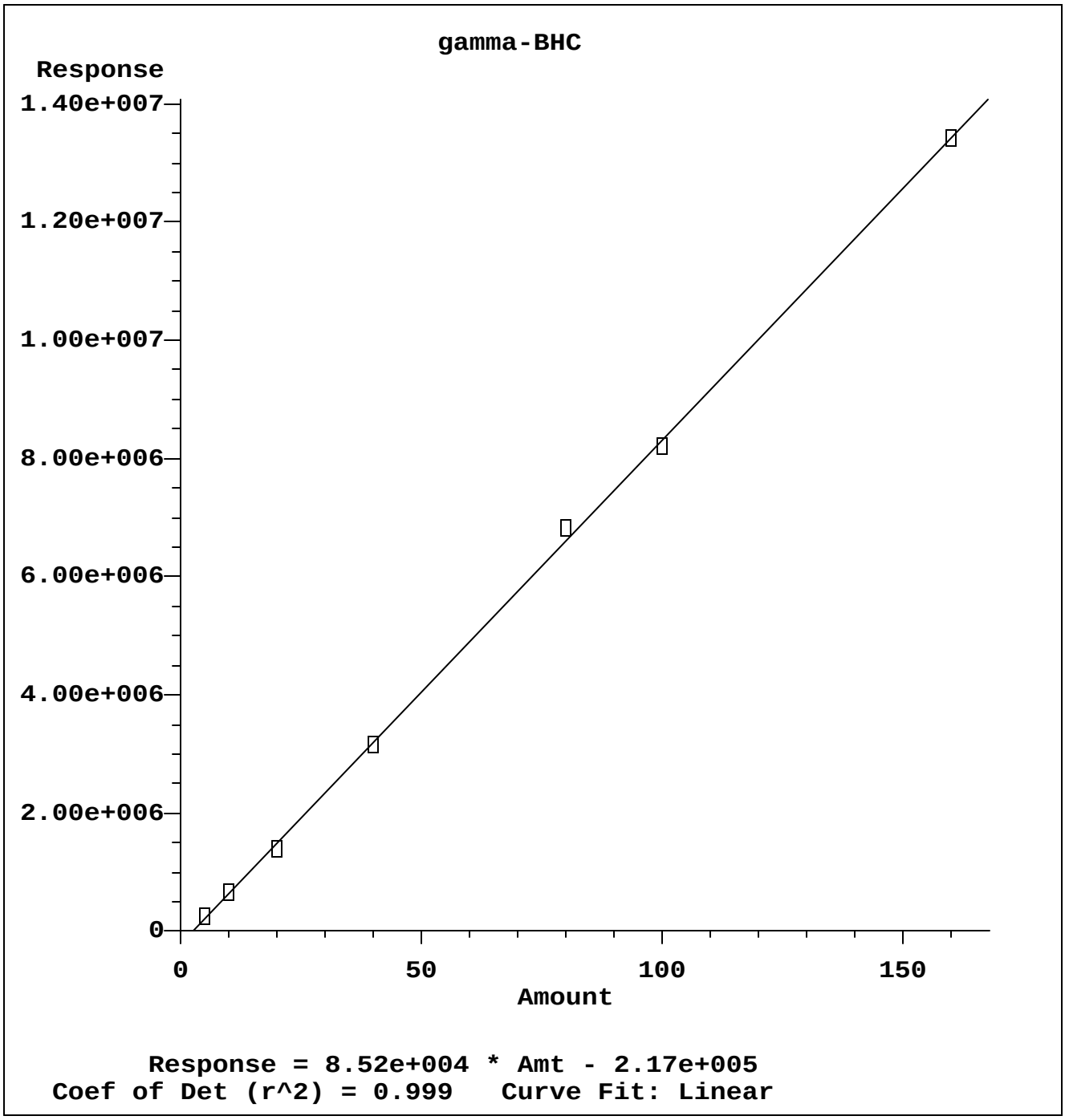
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



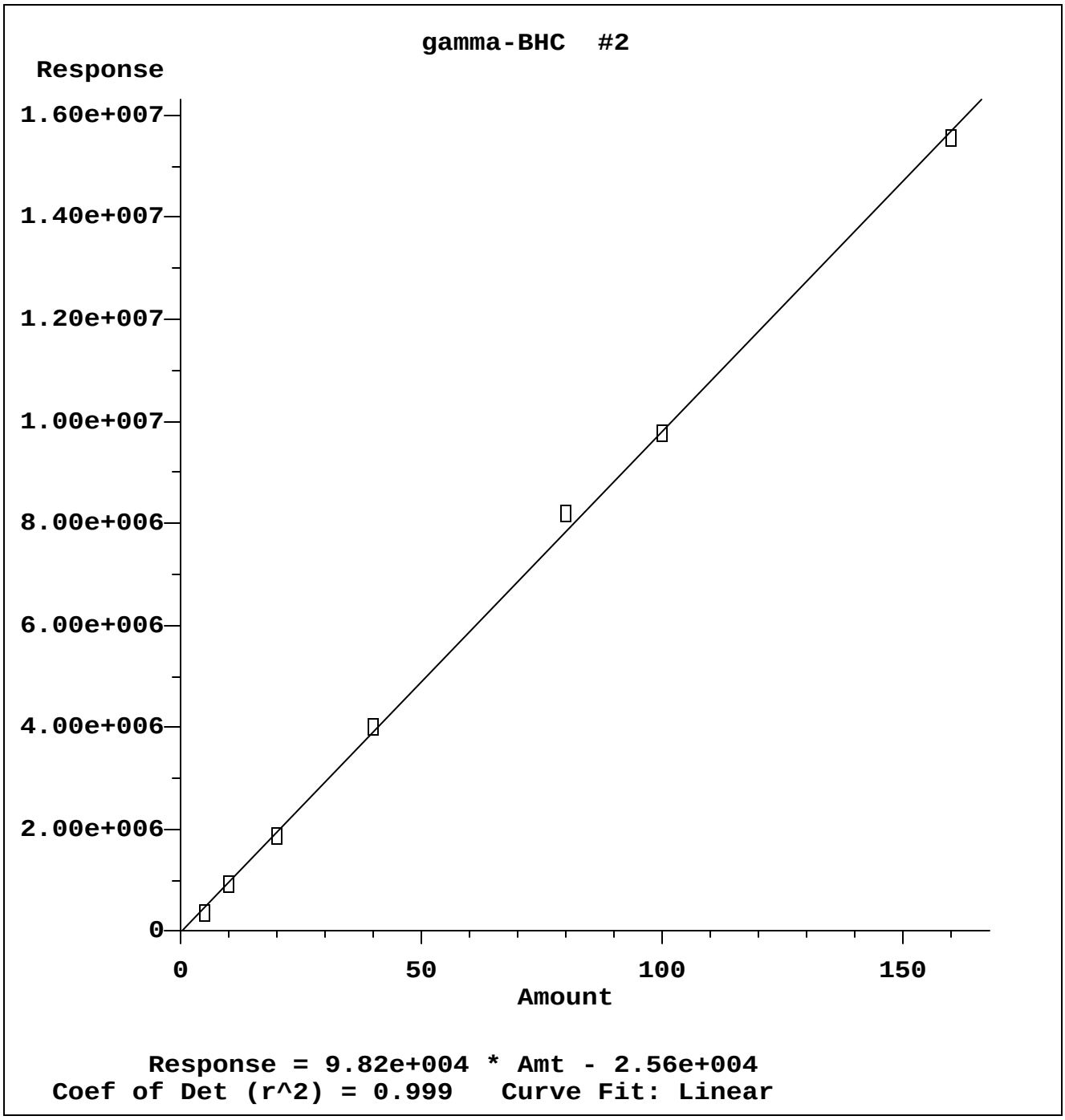
Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004



Method Name: E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\560846
Calibration Table Last Updated: Wed Jun 02 12:49:04 2004

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052812.D\ECD1A.CH Vial: 1
Signal #2 : E:\HPCHEM\1\DATA\540528\54052812.D\ECD2B.CH
Acq On : 28 May 2004 6:03 pm Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 1 17:59 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Apr 29 12:16:44 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

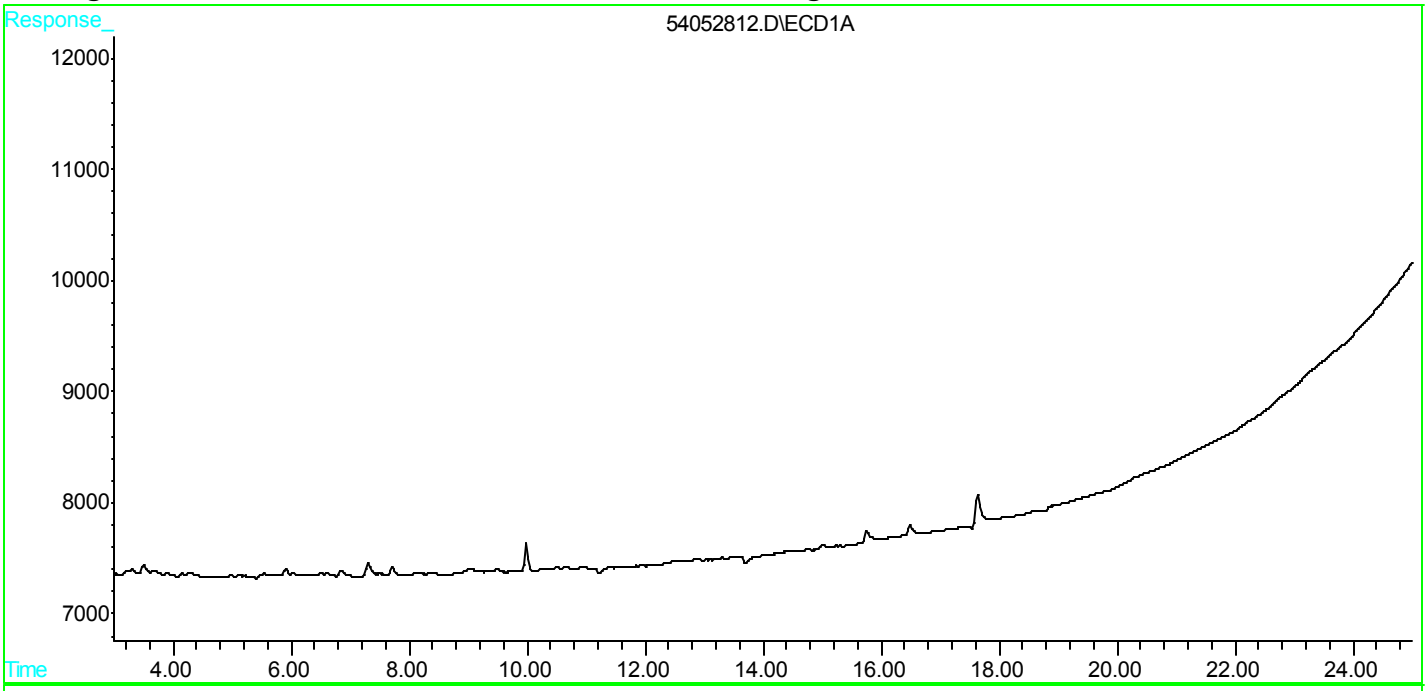
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

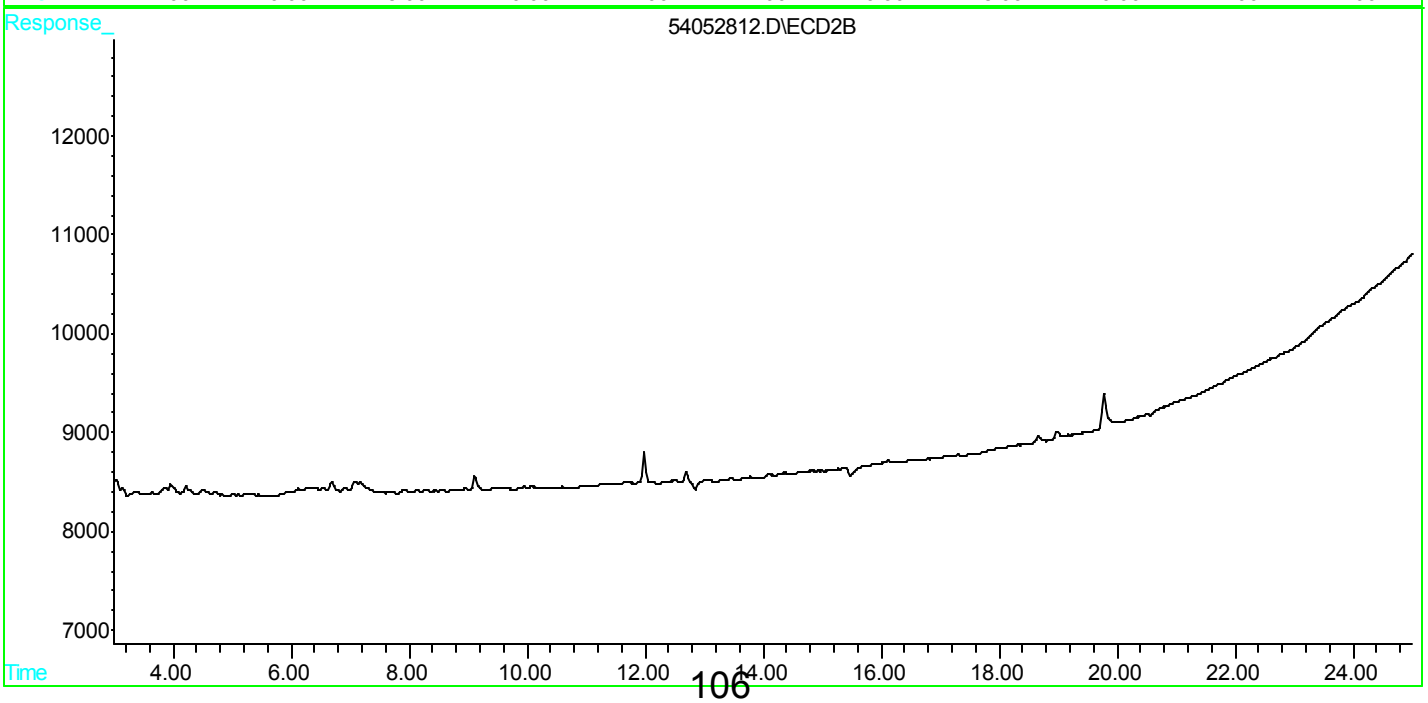
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052812.D\ECD1A.CH Vial: 1
Signal #2 : E:\HPCHEM\1\DATA\540528\54052812.D\ECD2B.CH
Acq On : 28 May 2004 6:03 pm Operator: WDP
Sample : HEXANE 8497 Inst : GC-5
Misc : CCB 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 1 17:59 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Apr 29 12:16:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052813.D\ECD1A.CH Vial: 2
Signal #2 : E:\HPCHEM\1\DATA\540528\54052813.D\ECD2B.CH
Acq On : 28 May 2004 5:25 pm Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 28 17:54 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Apr 29 12:16:44 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) SA	TCMX	4.28f	5.86	1187567	1494993	20.606	25.538	
Spiked Amount	50.000	Range 30 - 150		Recovery =		41.21%	51.08%	
32) SA	DCB	18.96	22.56f	1982674	1739962	15.342	16.958	
Spiked Amount	50.000	Range 30 - 150		Recovery =		30.68%	33.92%	
	Target Compounds							
2) A	alpha-BHC	5.55f	7.61	583019	844914	9.573	11.369	
3) MA	gamma-BHC	6.34f	8.65	579707	836594	9.502	11.618	
6) B	beta-BHC	6.63	8.96f	323847	475289	9.201	10.825	
14) MA	Endrin	12.23	15.17	3059454	3255206	49.340	53.778	
16) A	4,4'-DDD	12.70	15.70f	352331	432279	9.988	9.299	
17) MA	4,4'-DDT	13.44	16.56	5305431	5061086	93.641	99.974	
18) B	Endrin aldehyde	14.04f	16.76f	117121	134634	2.025	2.383	
20) A	Methoxychlor	14.95	18.58f	6712915	6420101	231.291	245.442	
21) B	Endrin ketone	15.91	18.96f	178207	365243	2.669	5.556	#
Sum	Toxaphene			0	0	N.D.	N.D.	
Average	Toxaphene					0.000	0.000	
Sum	Chlordane			0	0	N.D.	N.D.	
Average	Chlordane					0.000	0.000	

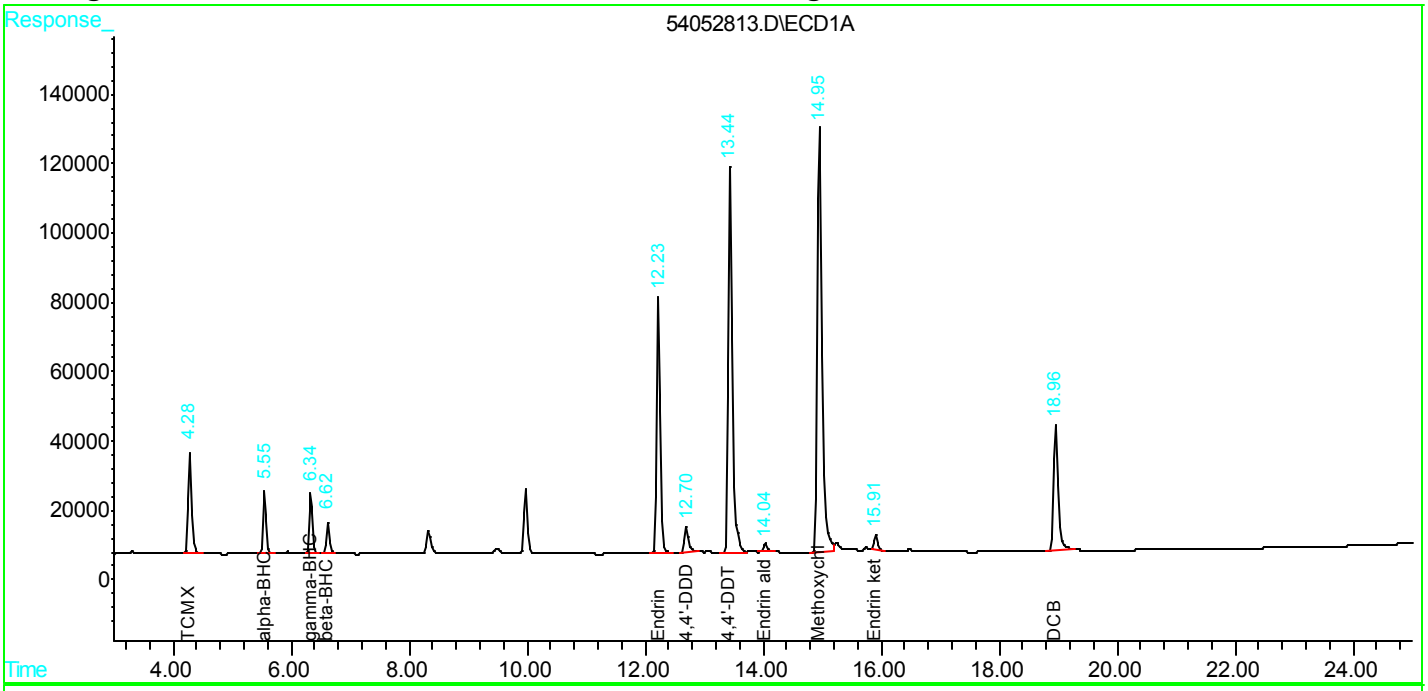
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052813.D 5PCB4E26.M Wed Jun 02 12:37:02 2004 Page 1

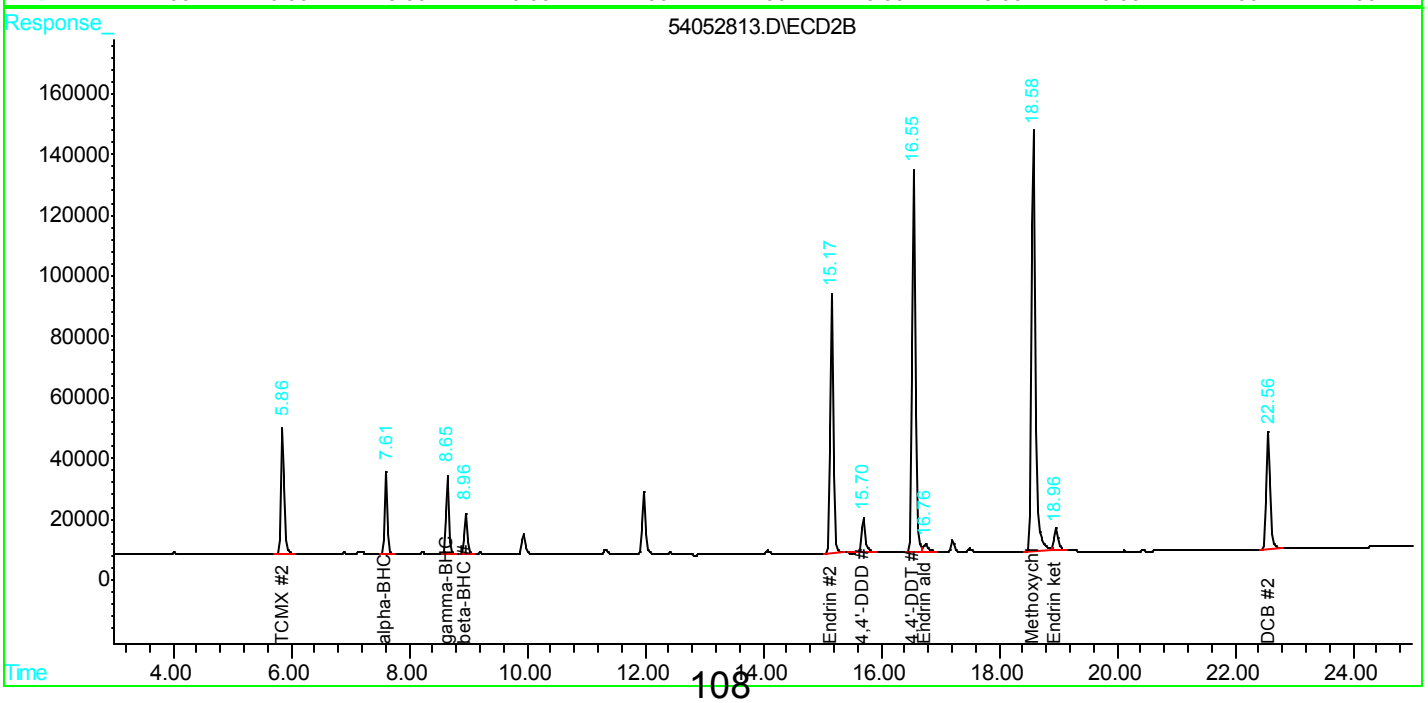
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052813.D\ECD1A.CH Vial: 2
Signal #2 : E:\HPCHEM\1\DATA\540528\54052813.D\ECD2B.CH
Acq On : 28 May 2004 5:25 pm Operator: WDP
Sample : PEM 4065 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 28 17:54 2004 Quant Results File: 56084412.RES

Quant Method : E:\HPCHEM\1...\56084412.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Thu Apr 29 12:16:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. : 3 uL
Signal #1 Phase : DB-5 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 mmID Signal #2 Info : 0.53 mmID





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052814.D\ECD1A.CH Vial: 85
Signal #2 : E:\HPCHEM\1\DATA\540528\54052814.D\ECD2B.CH
Acq On : 28 May 2004 6:32 pm Operator: WDP
Sample : INDA-01 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 12:58 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	264403	347967	4.560	4.929
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.12%#	9.86%#
32)	SA DCB	18.96	22.56f	1079224	974445	1.687	1.130 #
	Spiked Amount 50.000	Range 30 - 150		Recovery =		3.37%#	2.26%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	251545	362815	5.912	4.126 #
3)	MA gamma-BHC	6.33f	8.65	251958	360550	5.499	3.933 #
4)	MA Heptachlor	7.52f	9.90	404790	726725	4.459m	2.138m#
9)	A Endosulfan I	10.97f	13.56	310349	371652	4.399	4.840
13)	MA Dieldrin	11.63f	14.34	584775	675016	8.601	9.345
14)	MA Endrin	12.22f	15.17	520455	596170	8.547	9.379
16)	A 4,4'-DDD	12.70	15.70	365434	457738	8.508	8.072
17)	MA 4,4'-DDT	13.44	16.55	309919	333507	11.178	8.783
20)	A Methoxychlor	14.95	18.58f	1358895	1338132	49.117m	51.158
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

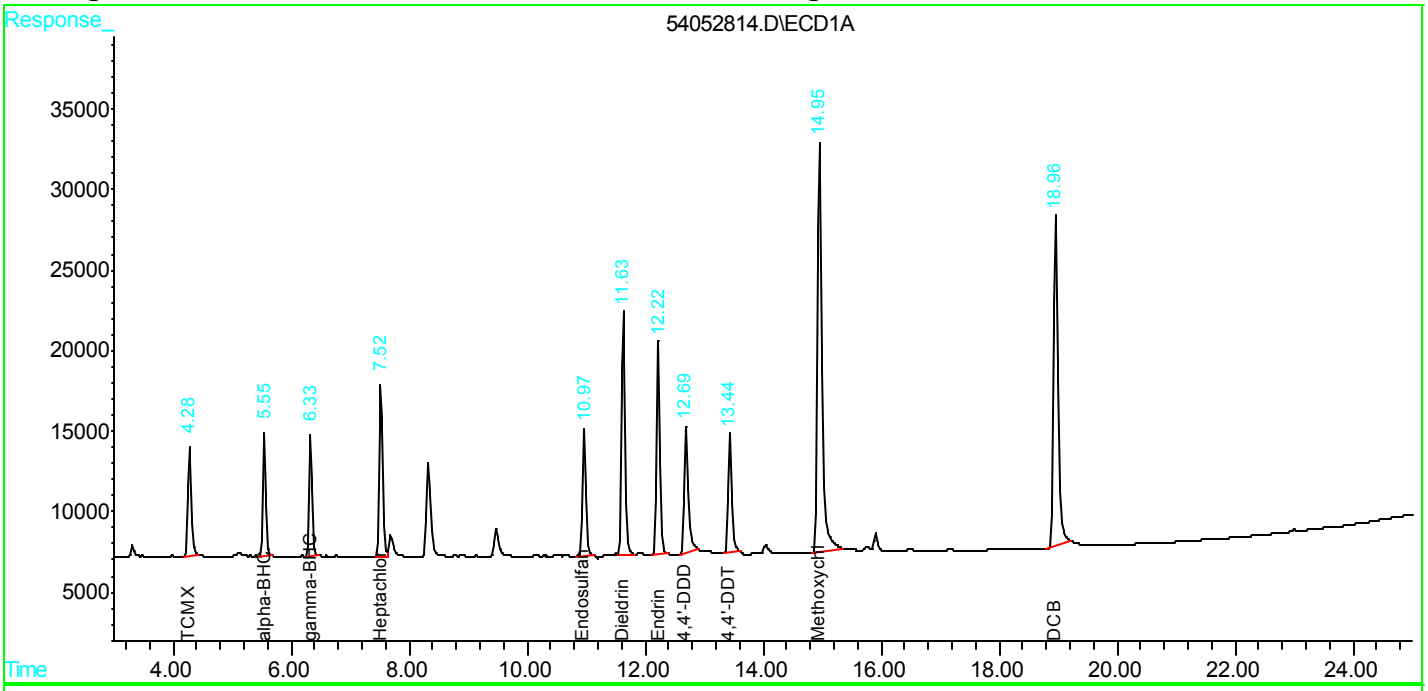
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052814.D 56084601.M Wed Jun 02 12:58:43 2004 Page 1

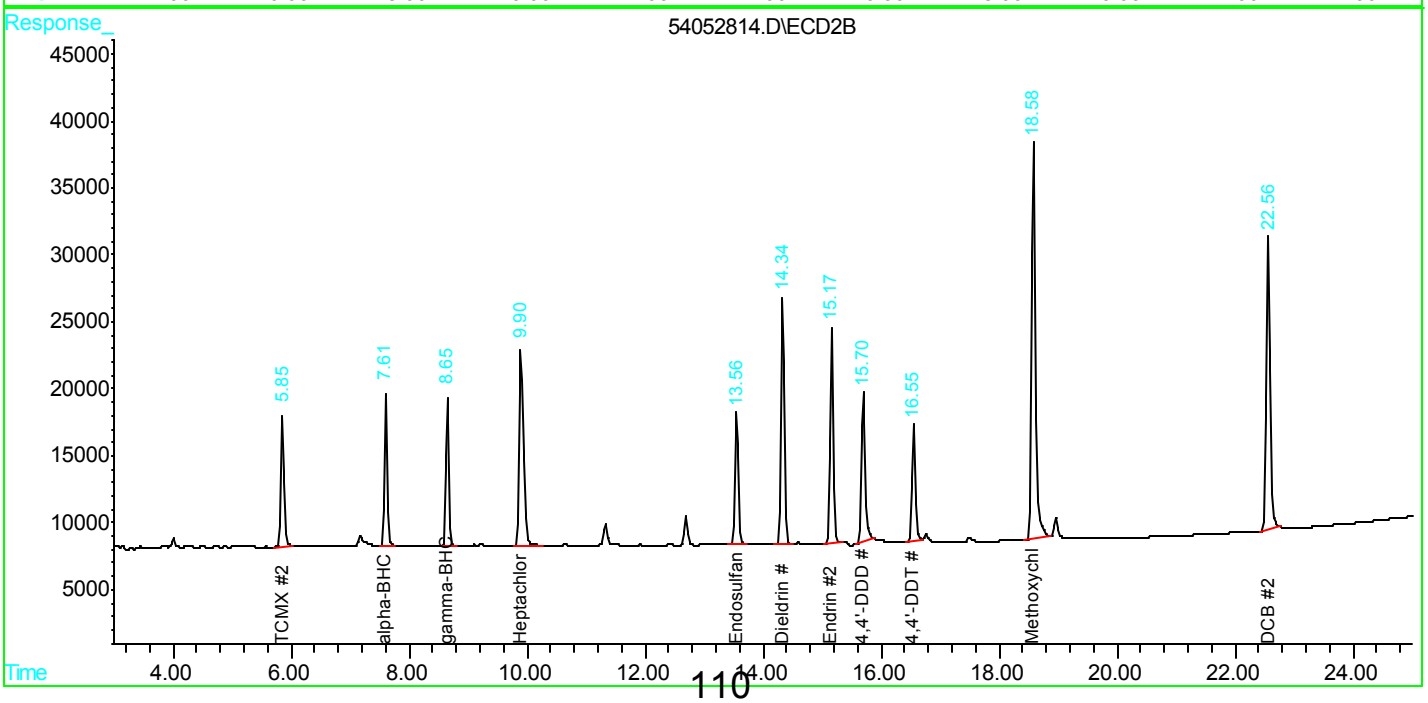
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052814.D\ECD1A.CH Vial: 85
Signal #2 : E:\HPCHEM\1\DATA\540528\54052814.D\ECD2B.CH
Acq On : 28 May 2004 6:32 pm Operator: WDP
Sample : INDA-01 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 12:58 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052815.D\ECD1A.CH Vial: 86
Signal #2 : E:\HPCHEM\1\DATA\540528\54052815.D\ECD2B.CH
Acq On : 28 May 2004 7:01 pm Operator: WDP
Sample : INDA-02 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 12:59 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

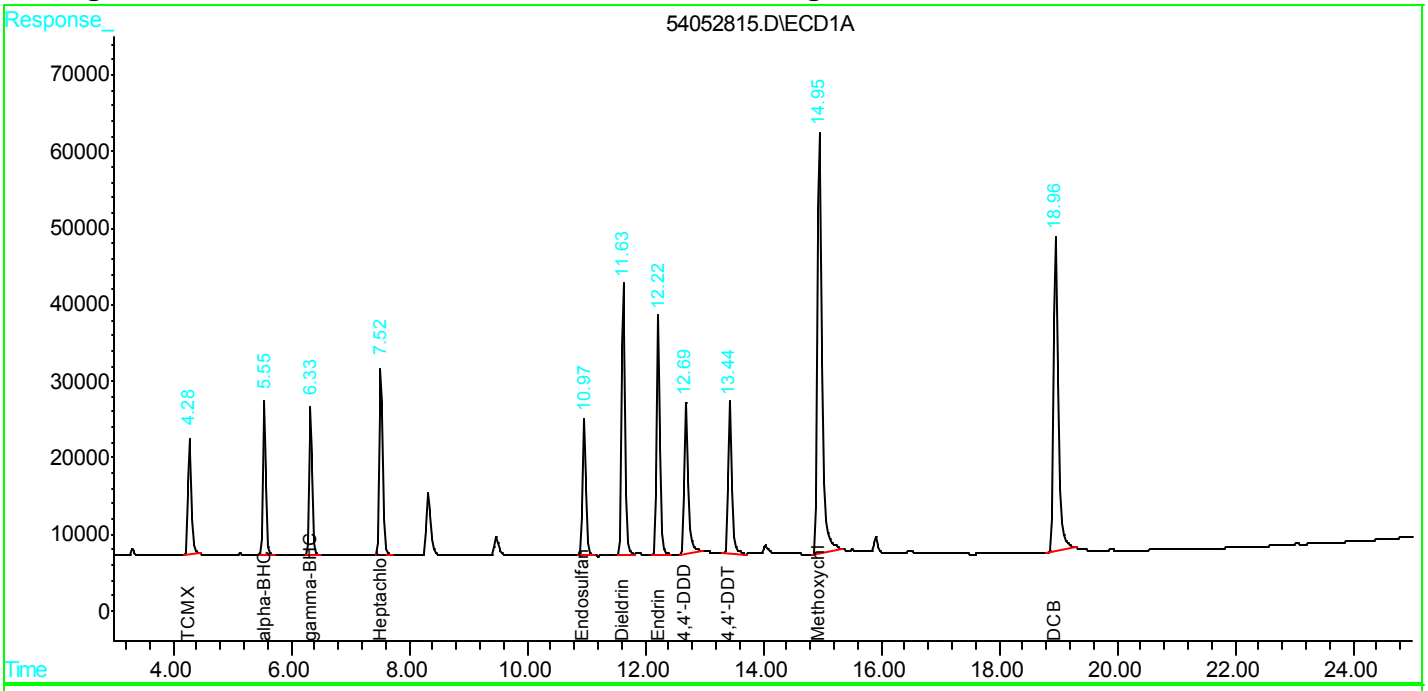
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) SA	TCMX	4.28f	5.86	593315	769681	10.233	10.903
	Spiked Amount 50.000	Range 30 - 150		Recovery =		20.47%#	21.81%#
32) SA	DCB	18.96	22.56f	2289056	1997889	16.435	16.583
	Spiked Amount 50.000	Range 30 - 150		Recovery =		32.87%	33.17%
	Target Compounds						
2) A	alpha-BHC	5.55f	7.61	652454	934827	10.163	9.355
3) MA	gamma-BHC	6.34f	8.65	640264	896313	10.054	9.390
4) MA	Heptachlor	7.53f	9.90	929494	1393429	10.239	9.285
9) A	Endosulfan I	10.97f	13.56	710927	821102	10.077	10.692
13) MA	Dieldrin	11.63f	14.34	1379972	1556138	20.297	21.543
14) MA	Endrin	12.22f	15.17	1236917	1382701	20.313	21.752
16) A	4,4'-DDD	12.70	15.70f	906020	1108328	18.302	19.544
17) MA	4,4'-DDT	13.44	16.55	854400	869052	20.484	18.616
20) A	Methoxychlor	14.95	18.58f	3005049	2989500	108.616	114.291
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

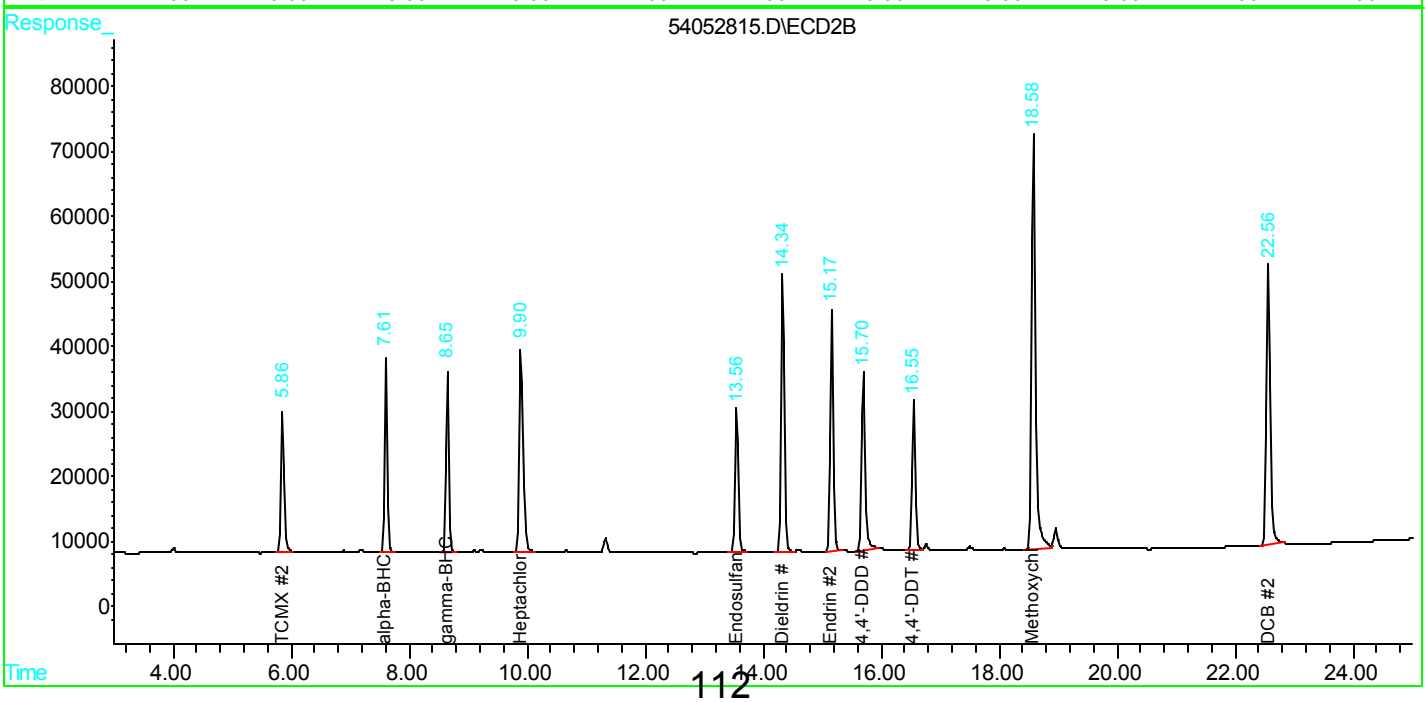
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052815.D 56084601.M Wed Jun 02 12:59:52 2004 Page 1

Signal #1 : E:\HPCHEM\1\DATA\540528\54052815.D\ECD1A.CH Vial: 86
Signal #2 : E:\HPCHEM\1\DATA\540528\54052815.D\ECD2B.CH
Acq On : 28 May 2004 7:01 pm Operator: WDP
Sample : INDA-02 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 12:59 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052816.D\ECD1A.CH Vial: 87
Signal #2 : E:\HPCHEM\1\DATA\540528\54052816.D\ECD2B.CH
Acq On : 28 May 2004 7:31 pm Operator: WDP
Sample : INDA-03 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:00 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

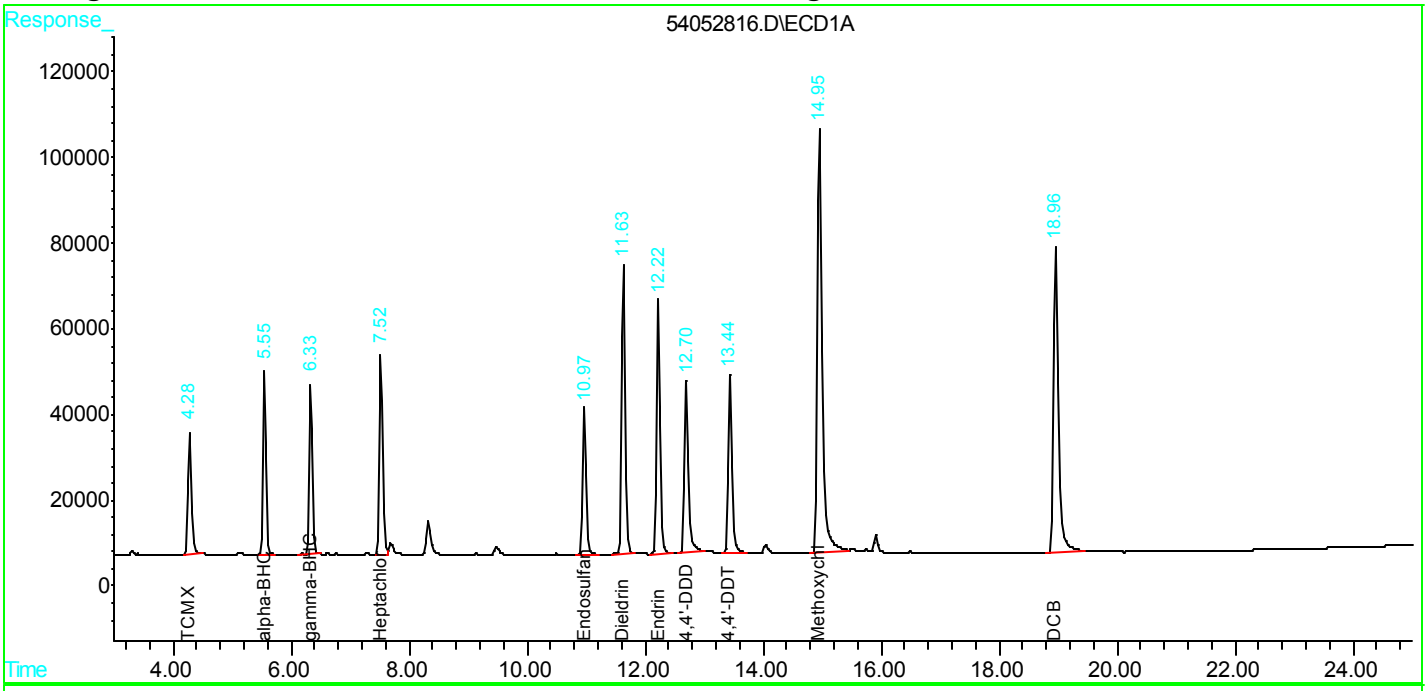
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	1141347	1443915	19.684	20.453
	Spiked Amount 50.000	Range 30 - 150		Recovery =		39.37%	40.91%
32)	SA DCB	18.96	22.56f	4153629	3505147	39.163	39.342
	Spiked Amount 50.000	Range 30 - 150		Recovery =		78.33%	78.68%
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	1434687	1976429	18.458	18.878
3)	MA gamma-BHC	6.34f	8.65	1379401	1849727	18.725	19.101
4)	MA Heptachlor	7.53f	9.90	1802532	2322761	19.856	19.248
9)	A Endosulfan I	10.97f	13.56	1413955	1564720	20.043	20.376
13)	MA Dieldrin	11.63f	14.34	2728521	2993645	40.132	41.443
14)	MA Endrin	12.23f	15.17	2421484	2610281	39.767	41.064
16)	A 4,4'-DDD	12.70	15.70f	1876262	2233382	35.880	39.383
17)	MA 4,4'-DDT	13.44	16.56f	1825633	1893082	37.083	37.420
20)	A Methoxychlor	14.95	18.58f	5642138	5374111	203.933	205.457
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

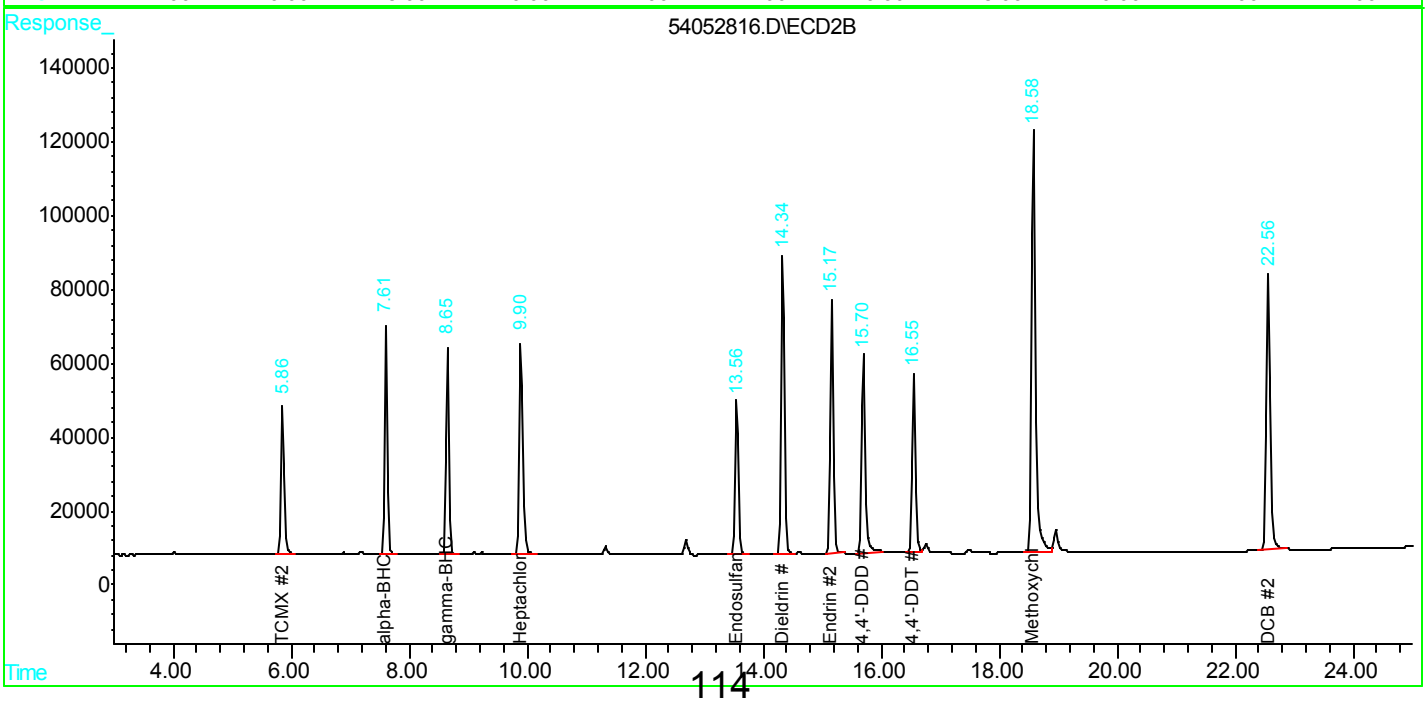
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052816.D\ECD1A.CH Vial: 87
Signal #2 : E:\HPCHEM\1\DATA\540528\54052816.D\ECD2B.CH
Acq On : 28 May 2004 7:31 pm Operator: WDP
Sample : INDA-03 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:00 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052817.D\ECD1A.CH Vial: 88
Signal #2 : E:\HPCHEM\1\DATA\540528\54052817.D\ECD2B.CH
Acq On : 28 May 2004 8:00 pm Operator: WDP
Sample : INDA-04 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:02 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	2385011	2868118	41.133	40.627
	Spiked Amount 50.000	Range 30 - 150		Recovery =		82.27%	81.25%
32)	SA DCB	18.96	22.56f	7906308	6571839	84.908	85.647
	Spiked Amount 50.000	Range 30 - 150		Recovery =		169.82%#	171.29%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	3388155	4353824	39.171	40.613
3)	MA gamma-BHC	6.34f	8.65	3159097	3999443	39.603	40.997
4)	MA Heptachlor	7.53f	9.90	3652541	4450100	40.235	42.054
9)	A Endosulfan I	10.97f	13.56	2940403	3167475	41.680	41.246
13)	MA Dieldrin	11.63f	14.34	5728958	6032999	84.264	83.519
14)	MA Endrin	12.22f	15.17	5070767	5241368	83.274	82.456
16)	A 4,4'-DDD	12.69	15.70	4251011	4811703	78.903	84.848
17)	MA 4,4'-DDT	13.44	16.55	4182324	4192218	77.362	79.636
20)	A Methoxychlor	14.95	18.58f	11208777	10392417	405.137	397.312
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

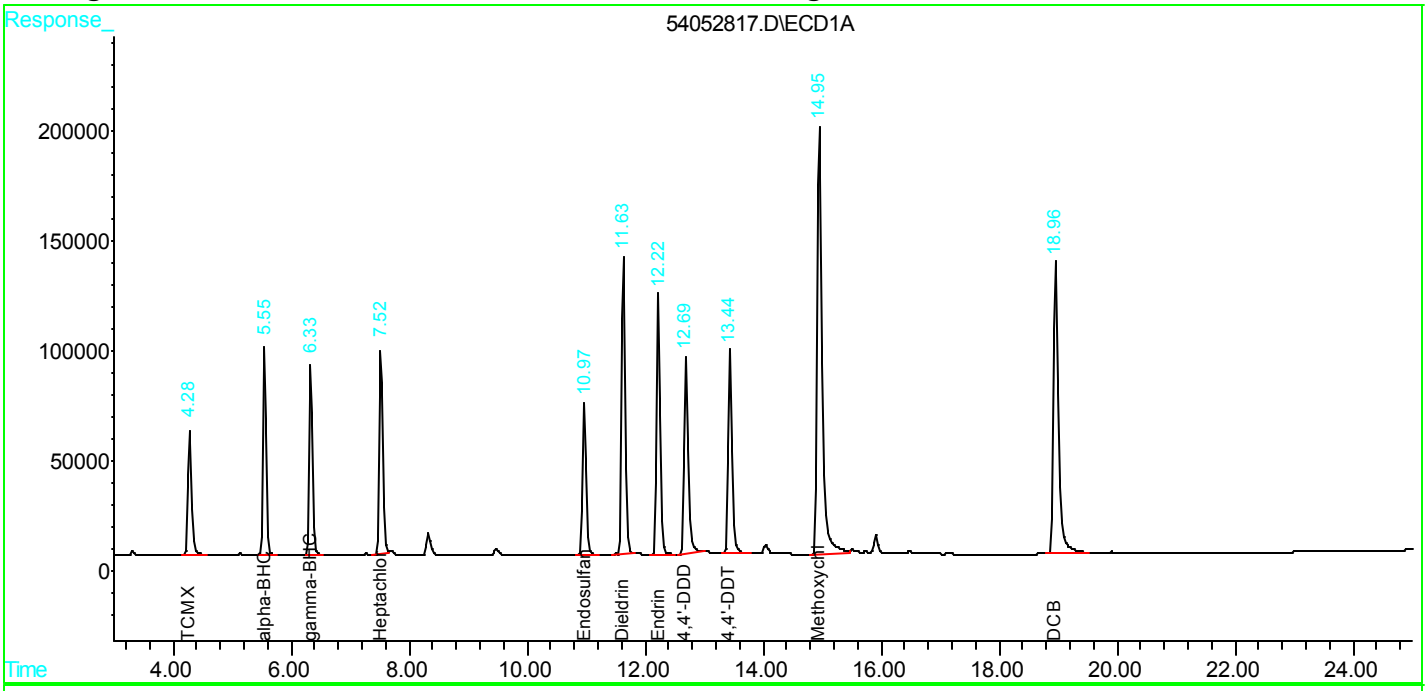
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052817.D 56084601.M Wed Jun 02 13:02:53 2004 Page 1

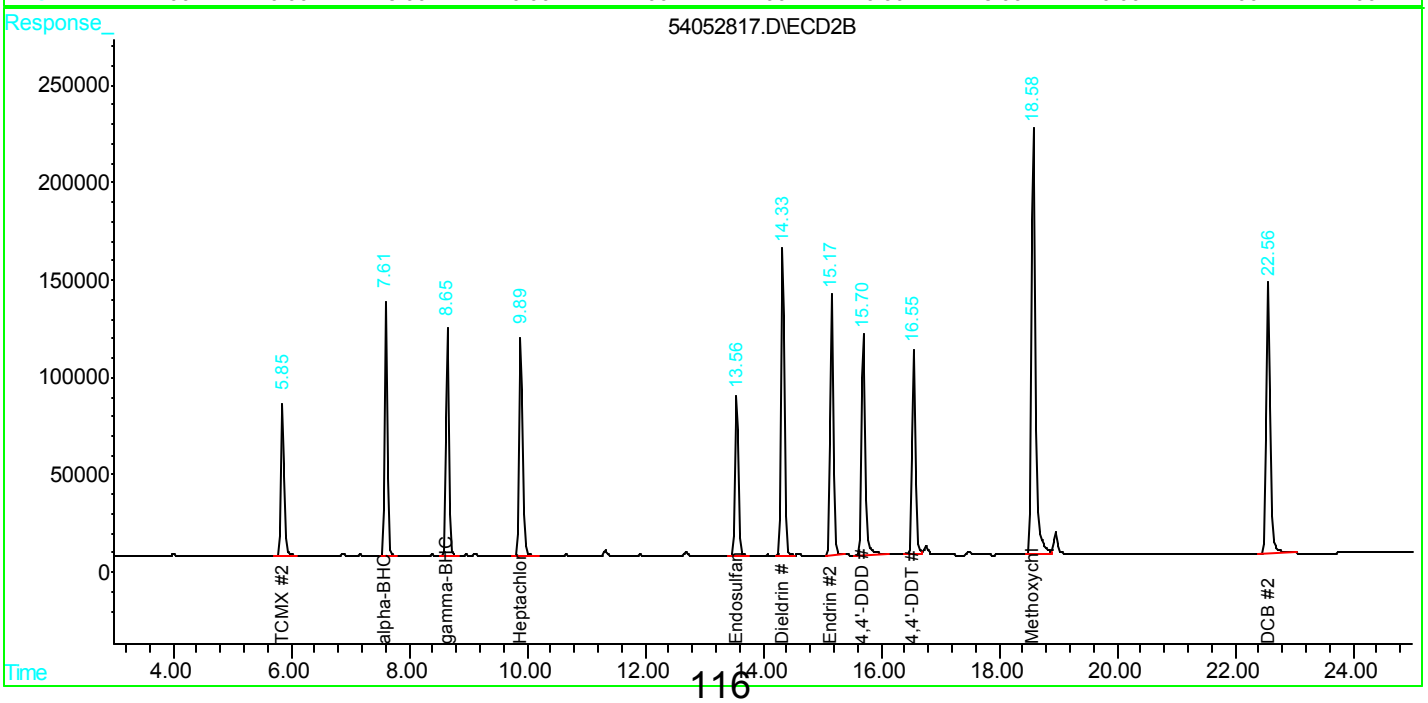
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052817.D\ECD1A.CH Vial: 88
Signal #2 : E:\HPCHEM\1\DATA\540528\54052817.D\ECD2B.CH
Acq On : 28 May 2004 8:00 pm Operator: WDP
Sample : INDA-04 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:02 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052818.D\ECD1A.CH Vial: 89
Signal #2 : E:\HPCHEM\1\DATA\540528\54052818.D\ECD2B.CH
Acq On : 28 May 2004 8:29 pm Operator: WDP
Sample : INDA-05 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:03 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	4800326	5597446	82.788	79.289
	Spiked Amount 50.000	Range 30 - 150		Recovery =		165.58%#	158.58%#
32)	SA DCB	18.96	22.56f	14718505	11929248	167.947	166.541
	Spiked Amount 50.000	Range 30 - 150		Recovery =		335.89%#	333.08%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	7425387	9011925	81.981	83.199
3)	MA gamma-BHC	6.34f	8.65	6820759	8176967	82.558	83.548
4)	MA Heptachlor	7.53f	9.90	7561427	8338934	83.293	83.743
9)	A Endosulfan I	10.97f	13.56	5925105	6154466	83.987	80.142
13)	MA Dieldrin	11.63f	14.34	11330238	11526868	166.650	159.574
14)	MA Endrin	12.23f	15.17	10115863	10072670	166.127	158.460
16)	A 4,4'-DDD	12.69	15.70	8955220	9574914	164.129	168.842
17)	MA 4,4'-DDT	13.44	16.55	9061783	8762707	160.756	163.559
20)	A Methoxychlor	14.95	18.58f	21510982	19709765	777.506	753.523
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

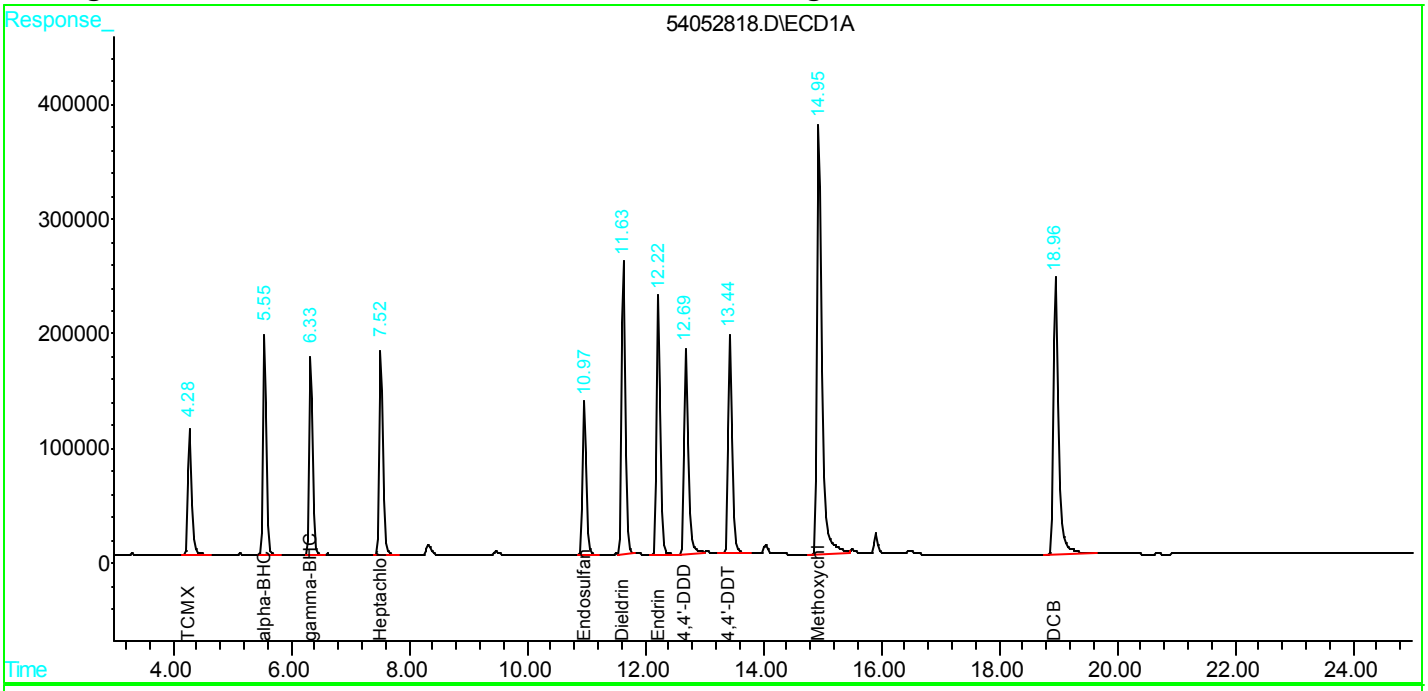
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052818.D 56084601.M Wed Jun 02 13:04:04 2004 Page 1

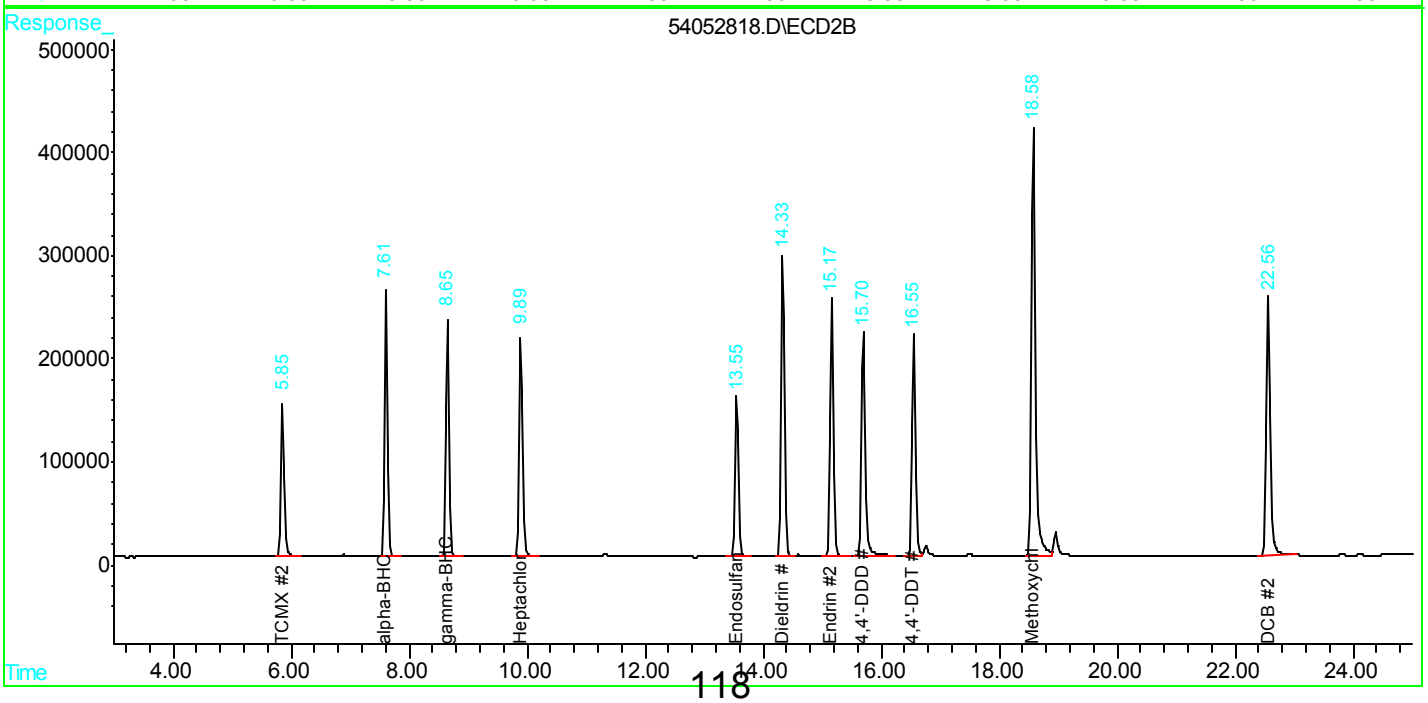
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052818.D\ECD1A.CH Vial: 89
Signal #2 : E:\HPCHEM\1\DATA\540528\54052818.D\ECD2B.CH
Acq On : 28 May 2004 8:29 pm Operator: WDP
Sample : INDA-05 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:03 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052819.D\ECD1A.CH Vial: 90
Signal #2 : E:\HPCHEM\1\DATA\540528\54052819.D\ECD2B.CH
Acq On : 28 May 2004 8:58 pm Operator: WDP
Sample : INDA-06 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:04 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	5892690	6833229	101.627	96.794
	Spiked Amount 50.000	Range 30 - 150		Recovery =		203.25%#	193.59%#
32)	SA DCB	18.96	22.56f	18176032	14909779	210.094	211.545
	Spiked Amount 50.000	Range 30 - 150		Recovery =		420.19%#	423.09%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	9110744	10948817	99.852	100.907
3)	MA gamma-BHC	6.34f	8.65	8204304	9758147	98.789	99.654
4)	MA Heptachlor	7.53f	9.90	9414782	10054480	103.708	102.134
9)	A Endosulfan I	10.97f	13.56	7276703	7667781	103.146	99.848
13)	MA Dieldrin	11.63f	14.34	14410816	14565562	211.961	201.641
14)	MA Endrin	12.22f	15.17	13184990	13062800	216.530	205.500
16)	A 4,4'-DDD	12.69f	15.70	11645242	12256867	212.863	216.134
17)	MA 4,4'-DDT	13.44f	16.55	11731737	11183403	206.389	208.008
20)	A Methoxychlor	14.95	18.58	28174114	25694248	1018.343	982.316
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

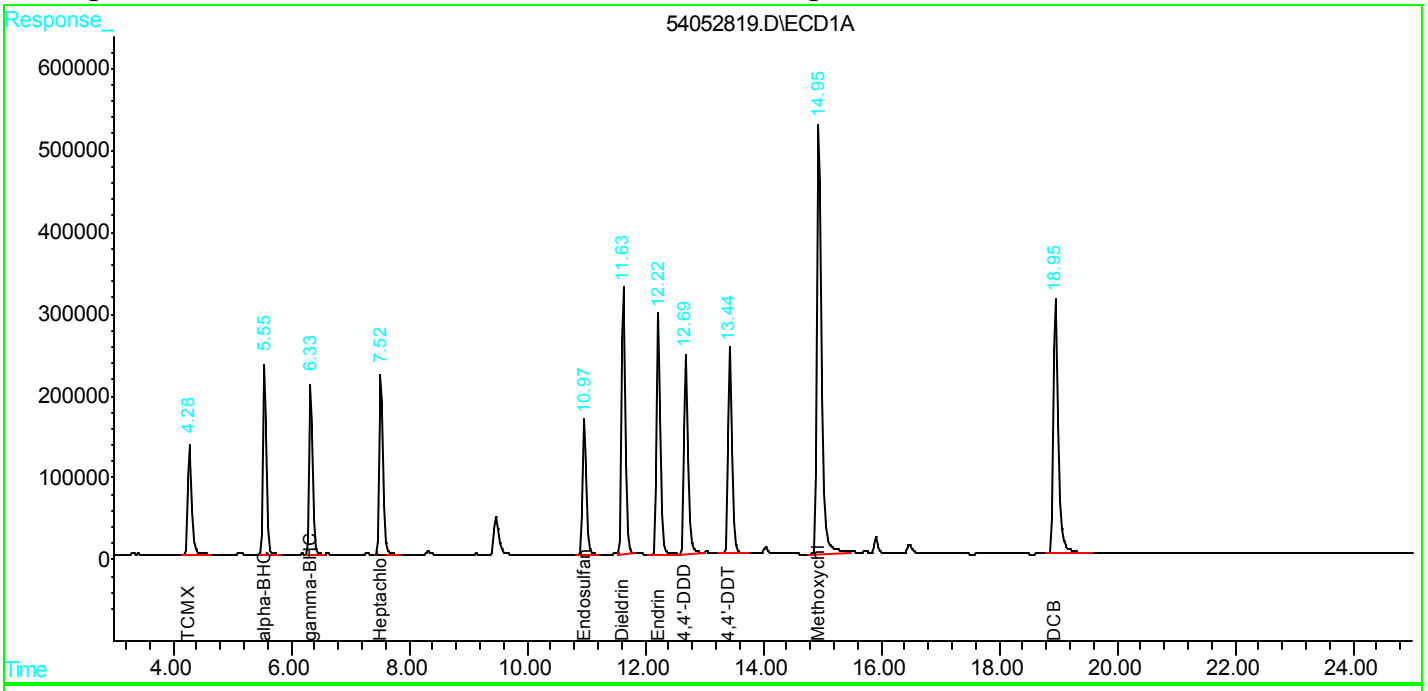
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052819.D 56084601.M Wed Jun 02 13:05:07 2004 Page 1

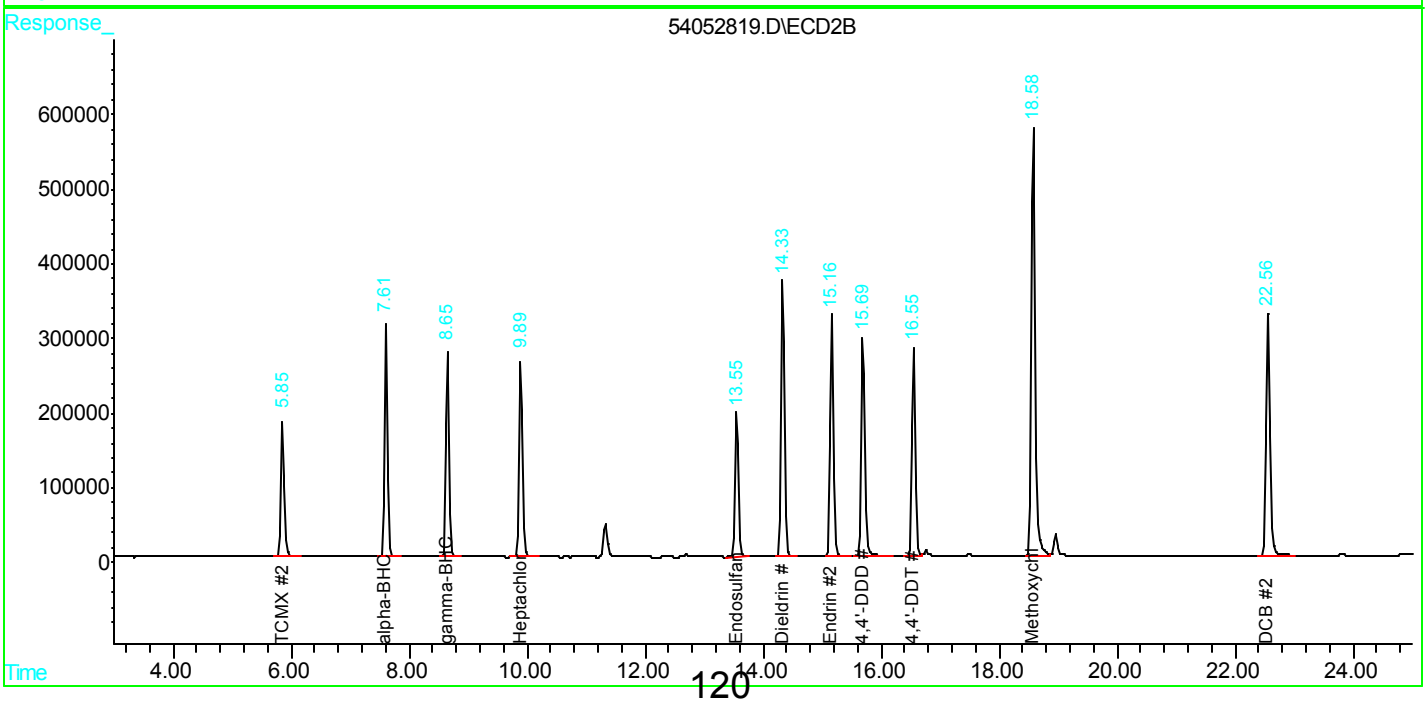
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052819.D\ECD1A.CH Vial: 90
Signal #2 : E:\HPCHEM\1\DATA\540528\54052819.D\ECD2B.CH
Acq On : 28 May 2004 8:58 pm Operator: WDP
Sample : INDA-06 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:04 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052820.D\ECD1A.CH Vial: 91
Signal #2 : E:\HPCHEM\1\DATA\540528\54052820.D\ECD2B.CH
Acq On : 28 May 2004 9:27 pm Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:06 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.85	9098418	10361686	156.914	146.775
	Spiked Amount 50.000	Range 30 - 150		Recovery =		313.83%#	293.55%#
32)	SA DCB	18.96	22.56f	26294483	21205788	309.056	306.611
	Spiked Amount 50.000	Range 30 - 150		Recovery =		618.11%#	613.22%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	14732606	17181271	159.464	157.887
3)	MA gamma-BHC	6.34f	8.65	13397868	15523430	159.716	158.377
4)	MA Heptachlor	7.53f	9.90	14237293	15127063	156.831	156.513
9)	A Endosulfan I	10.97f	13.56	11141157	11213909	157.924	146.026
13)	MA Dieldrin	11.63f	14.34	21039252	20868529	309.455	288.897
14)	MA Endrin	12.22f	15.17	18970913	18293210	311.549	287.784
16)	A 4,4'-DDD	12.69f	15.70	17052146	17729711	310.820	312.641
17)	MA 4,4'-DDT	13.44	16.55	18179111	16941921	316.581	313.746
20)	A Methoxychlor	14.95	18.58f	40024919	36057636	1446.685	1378.518
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

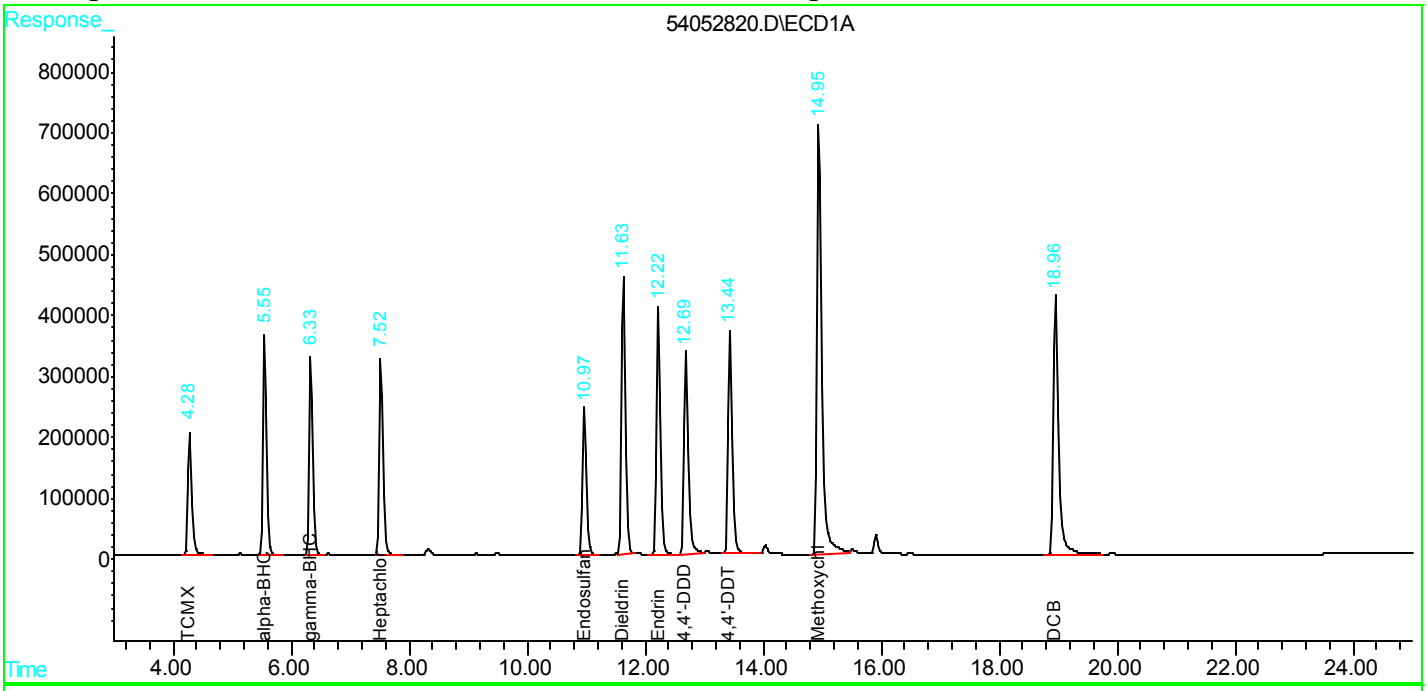
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052820.D 56084601.M Wed Jun 02 13:06:25 2004 Page 1

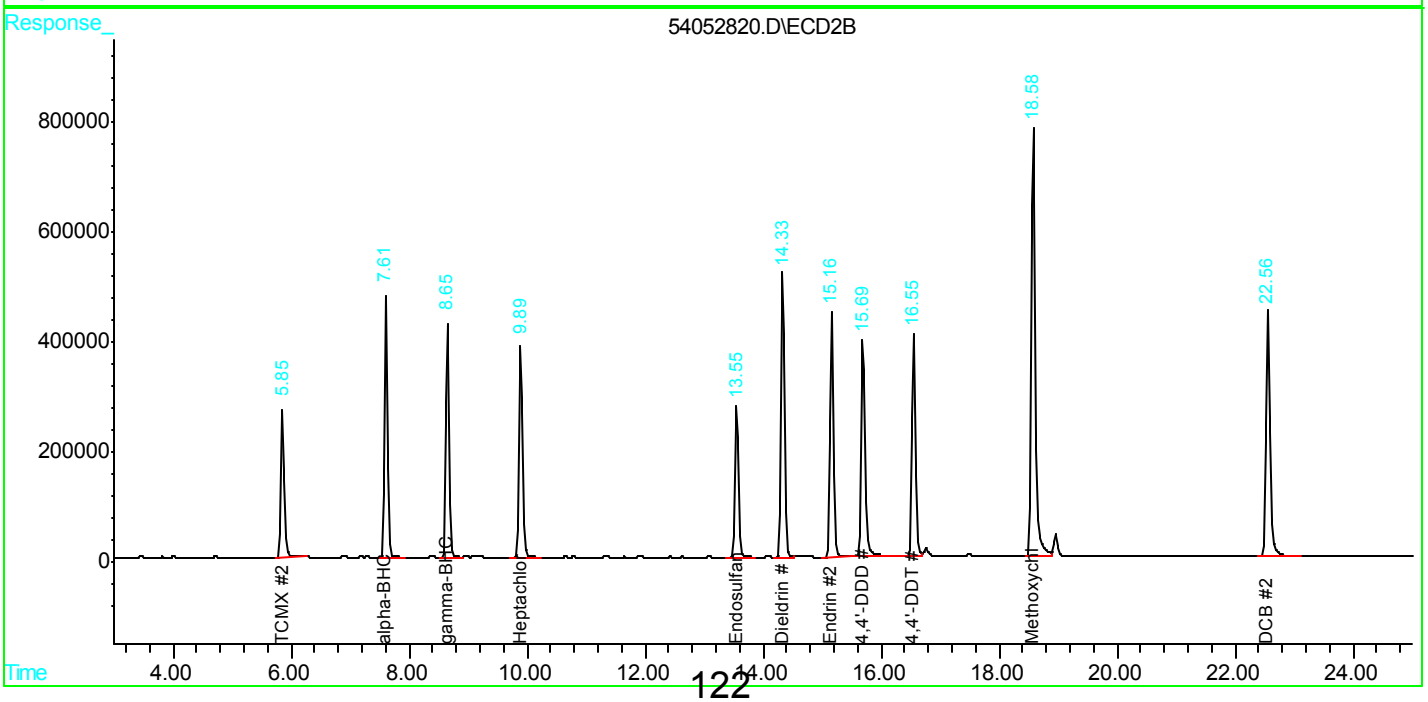
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052820.D\ECD1A.CH Vial: 91
Signal #2 : E:\HPCHEM\1\DATA\540528\54052820.D\ECD2B.CH
Acq On : 28 May 2004 9:27 pm Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:06 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052821.D\ECD1A.CH Vial: 92
Signal #2 : E:\HPCHEM\1\DATA\540528\54052821.D\ECD2B.CH
Acq On : 28 May 2004 9:56 pm Operator: WDP
Sample : INDB-01 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:07 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.29	10.80f	491784	369573	2.809	4.442 #
6) B	beta-BHC	6.62	8.96f	178617	235537	4.587m	4.888m
7) B	delta-BHC	7.04	9.80f	230509	335813	6.327	4.123 #
8) B	Hept epoxide	9.95	12.48f	343056	406661	4.633	5.030
10) B	gamma-Chlordane	10.29	13.03f	344231	411498	4.435	4.887
11) B	alpha-Chlordane	10.66	13.45f	359227	427421	4.447	4.901
12) B	4,4'-DDE	11.06	14.07f	532716	637926	8.379	8.695
15) B	Endosulfan II	12.85	15.79f	617416	711994	9.417	10.349
18) B	Endrin aldehyde	14.03	16.76f	590271	598844	10.150	10.658
19) B	Endo sulfate	15.22	17.54f	596703	645416	9.536	10.360
21) B	Endrin ketone	15.91	18.96f	578748	613168	8.851	9.442
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

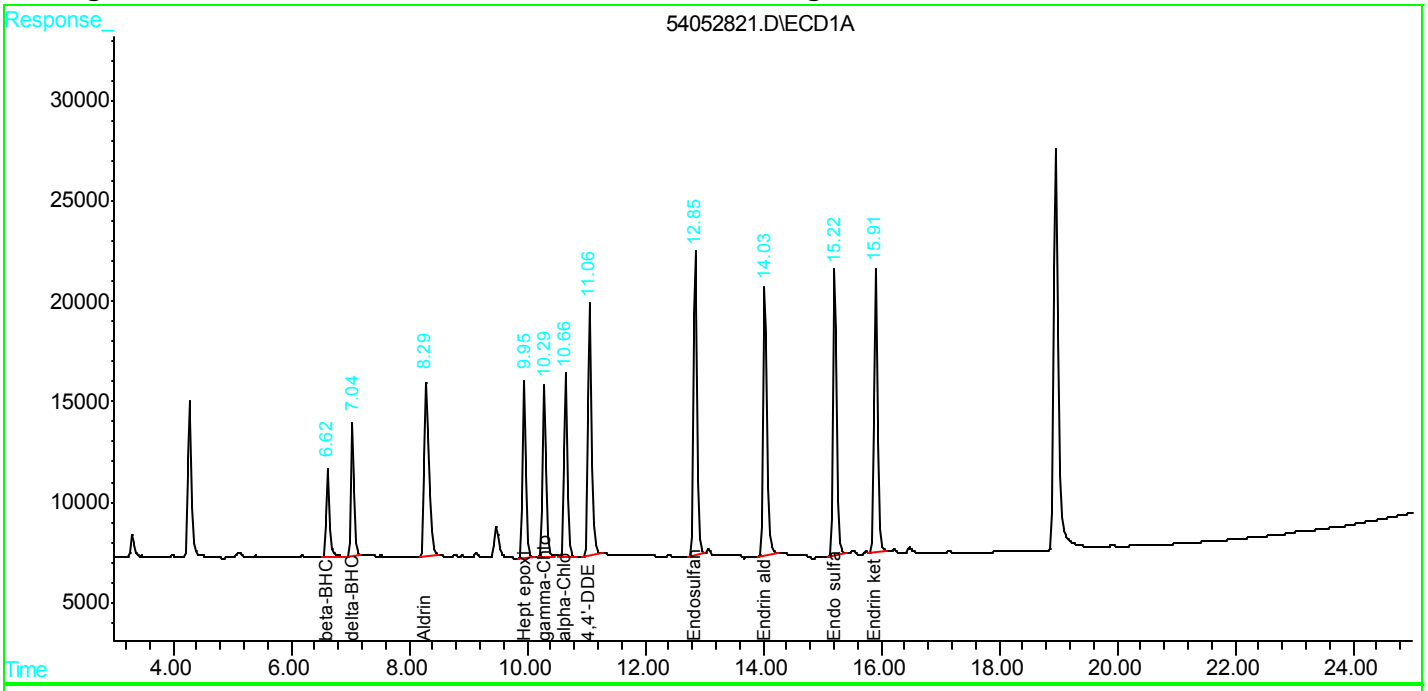
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052821.D 56084601.M Wed Jun 02 13:08:04 2004 Page 1

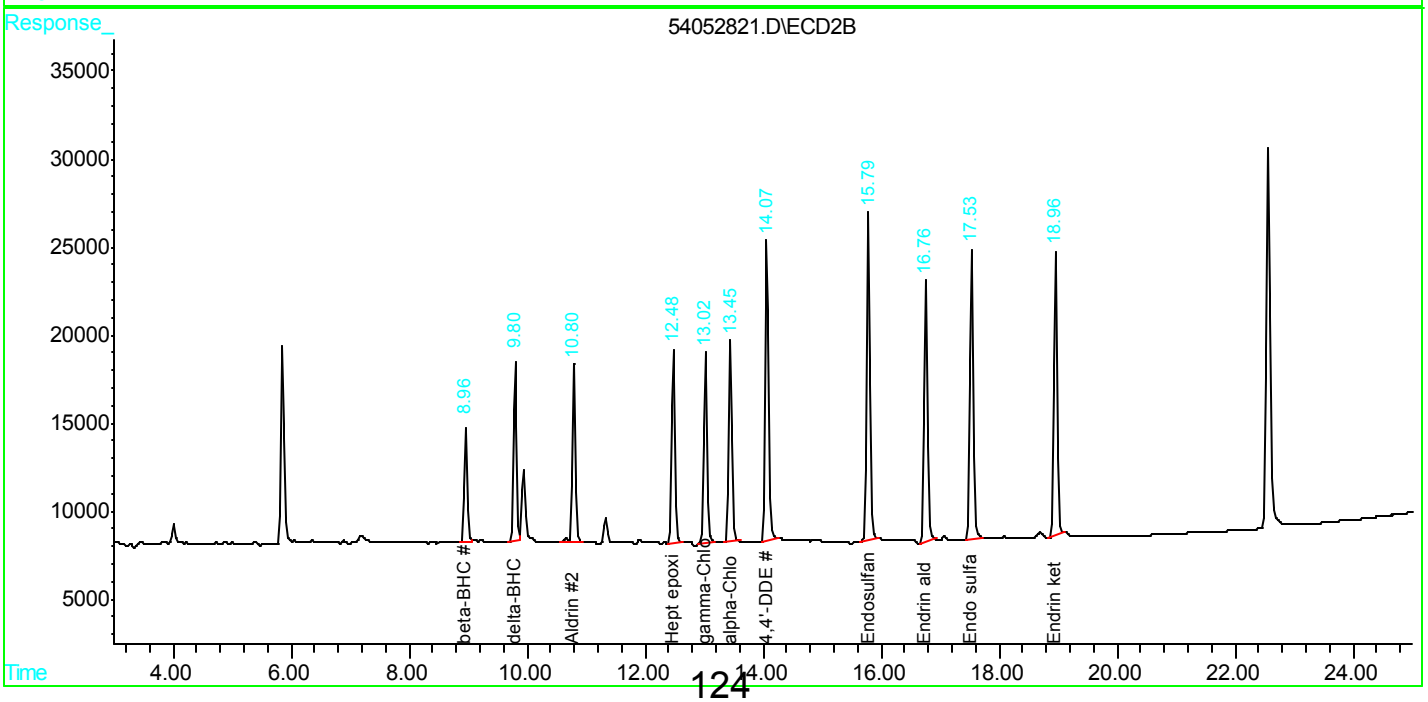
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052821.D\ECD1A.CH Vial: 92
Signal #2 : E:\HPCHEM\1\DATA\540528\54052821.D\ECD2B.CH
Acq On : 28 May 2004 9:56 pm Operator: WDP
Sample : INDB-01 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:07 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052822.D\ECD1A.CH Vial: 93
Signal #2 : E:\HPCHEM\1\DATA\540528\54052822.D\ECD2B.CH
Acq On : 28 May 2004 10:25 pm Operator: WDP
Sample : INDB-02 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:08 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.28	10.80f	867655	755995	7.639	9.087
6) B	beta-BHC	6.62	8.96f	336825	467865	8.649	9.710
7) B	delta-BHC	7.04	9.80f	514638	765976	9.512	8.371
8) B	Hept epoxide	9.95	12.48f	710298	820753	9.592	10.152
10) B	gamma-Chlordane	10.29	13.02f	708752	831359	9.131	9.873
11) B	alpha-Chlordane	10.66	13.45f	746829	868031	9.246	9.954
12) B	4,4'-DDE	11.06	14.07f	1161022	1388777	17.139m	18.930
15) B	Endosulfan II	12.85	15.79f	1287372	1440721	19.636	20.942
18) B	Endrin aldehyde	14.03	16.76f	1169516	1211301	20.111	21.559
19) B	Endo sulfate	15.22	17.54f	1242580	1295577	19.858	20.796
21) B	Endrin ketone	15.91	18.96f	1267504	1346012	19.385	20.727
Sum	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
Sum	Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

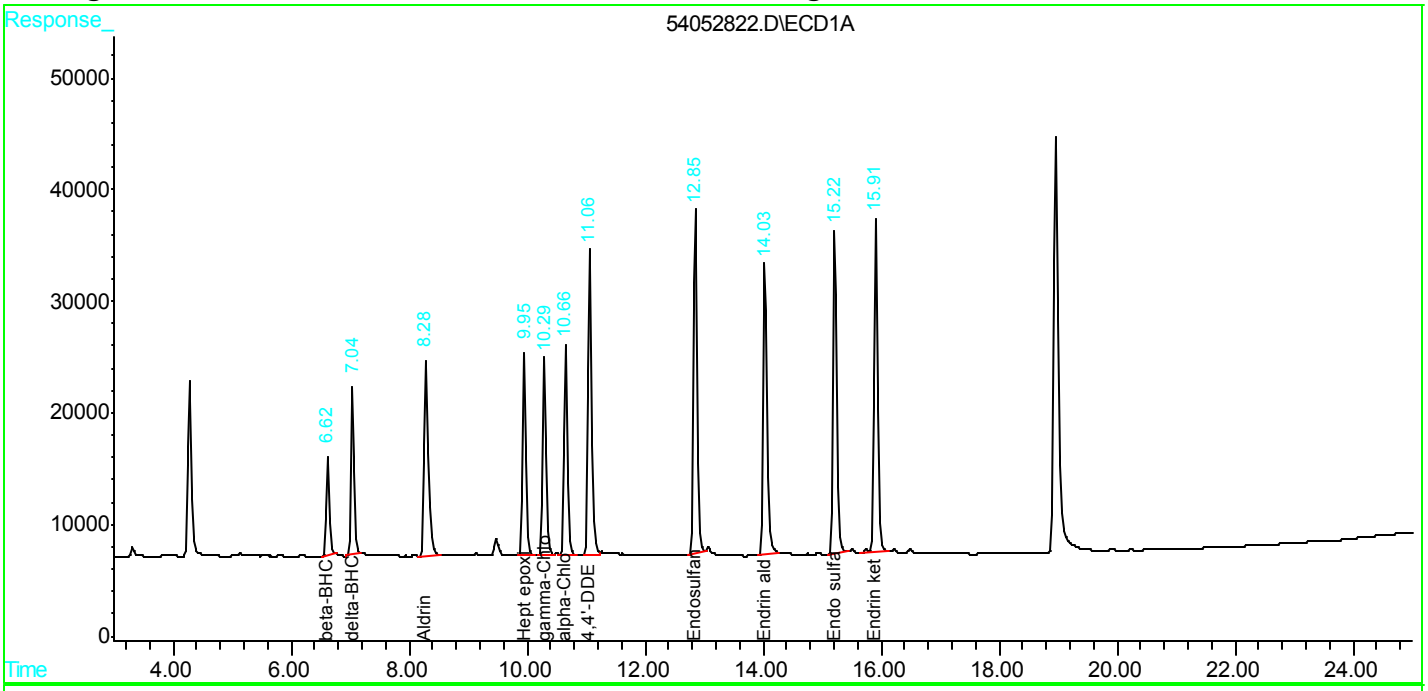
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052822.D 56084601.M Wed Jun 02 13:09:21 2004 Page 1

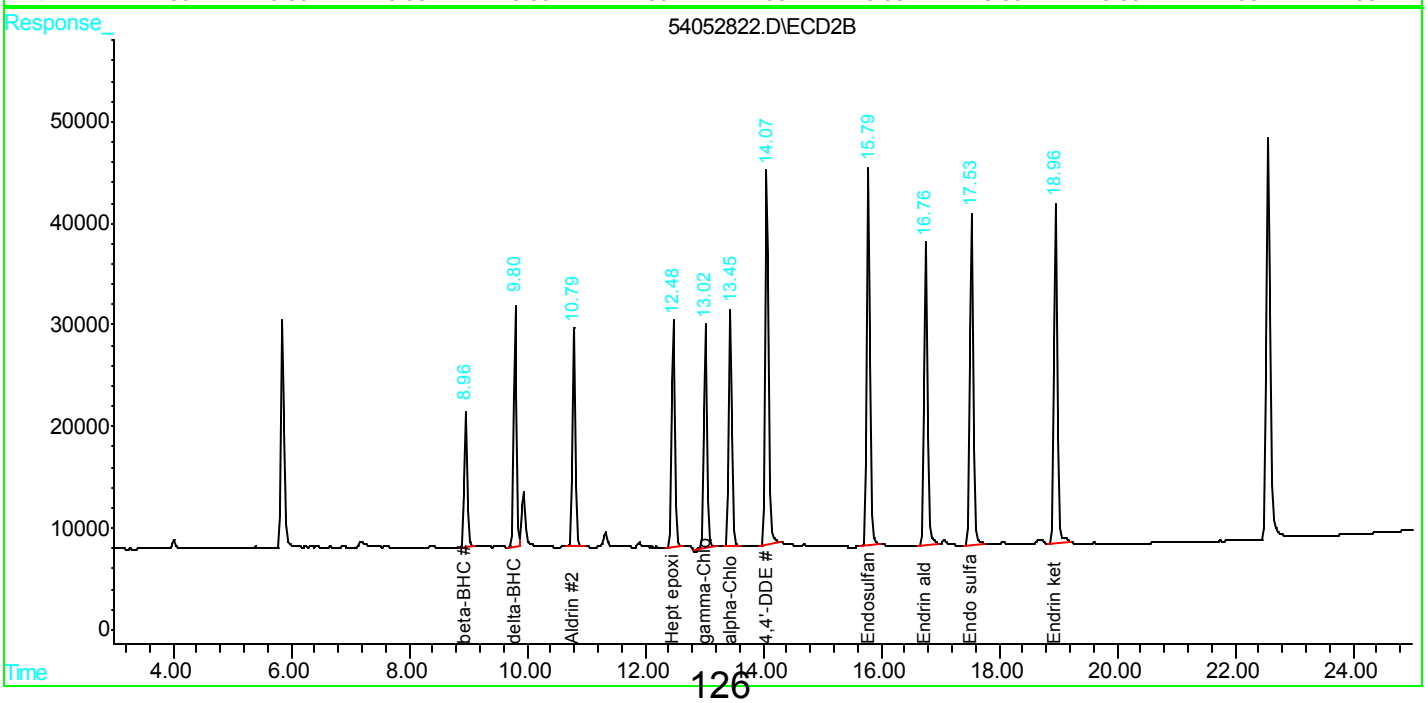
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052822.D\ECD1A.CH Vial: 93
Signal #2 : E:\HPCHEM\1\DATA\540528\54052822.D\ECD2B.CH
Acq On : 28 May 2004 10:25 pm Operator: WDP
Sample : INDB-02 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:08 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052823.D\ECD1A.CH Vial: 94
Signal #2 : E:\HPCHEM\1\DATA\540528\54052823.D\ECD2B.CH
Acq On : 28 May 2004 10:55 pm Operator: WDP
Sample : INDB-03 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:10 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.29	10.80f	2054003	1669591	22.881	20.069
6) B	beta-BHC	6.62	8.96f	737608	971278	18.940	20.158
7) B	delta-BHC	7.04	9.80f	1296432	1797218	18.276	18.557
8) B	Hept epoxide	9.95	12.48f	1483747	1666561	20.038	20.614
10) B	gamma-Chlordane	10.29	13.02f	1505508	1692001	19.396	20.094
11) B	alpha-Chlordane	10.66	13.45f	1591999	1784691	19.709	20.465
12) B	4,4'-DDE	11.06	14.07f	2565198	2985671	36.717	40.697
15) B	Endosulfan II	12.85	15.79f	2664938	2916167	40.648	42.389m
18) B	Endrin aldehyde	14.03	16.76f	2346498	2348445	40.350	41.798
19) B	Endo sulfate	15.22	17.54f	2542893	2582812	40.640	41.458
21) B	Endrin ketone	15.91	18.96f	2678832	2653880	40.970	40.866
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

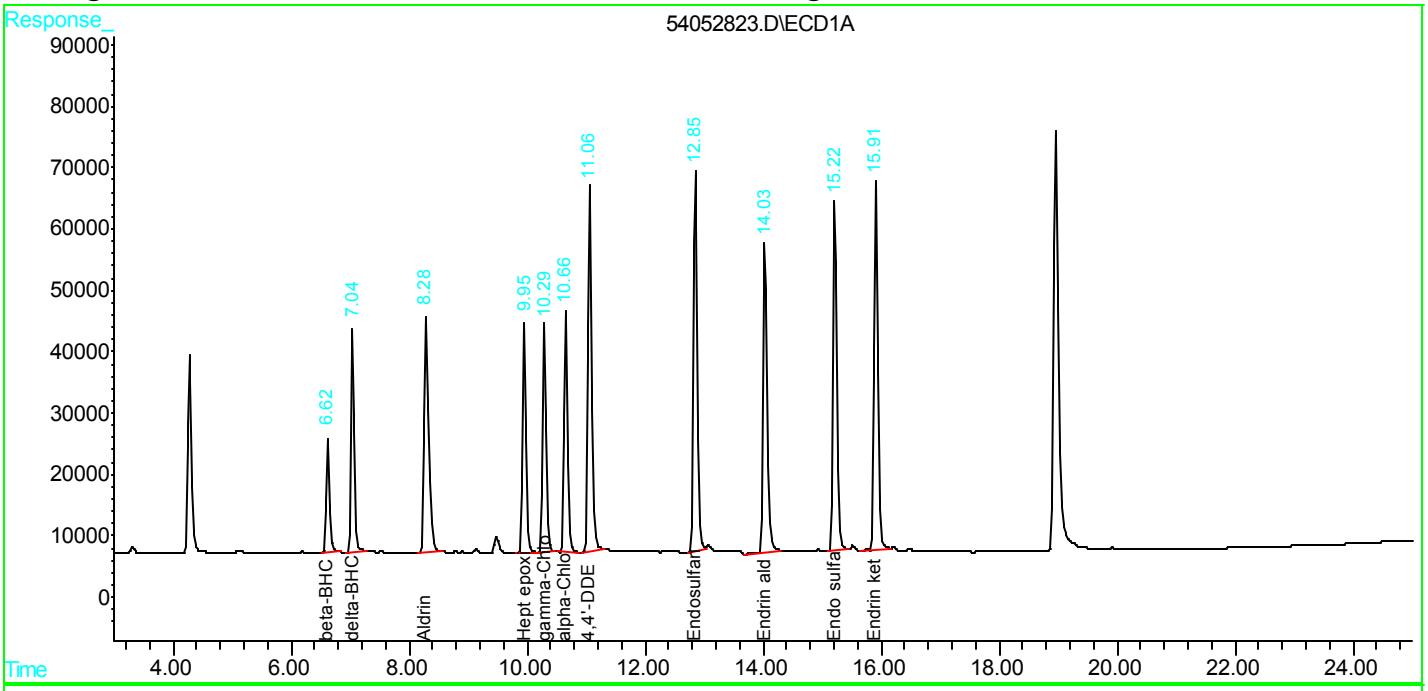
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052823.D 56084601.M Wed Jun 02 13:10:35 2004 Page 1

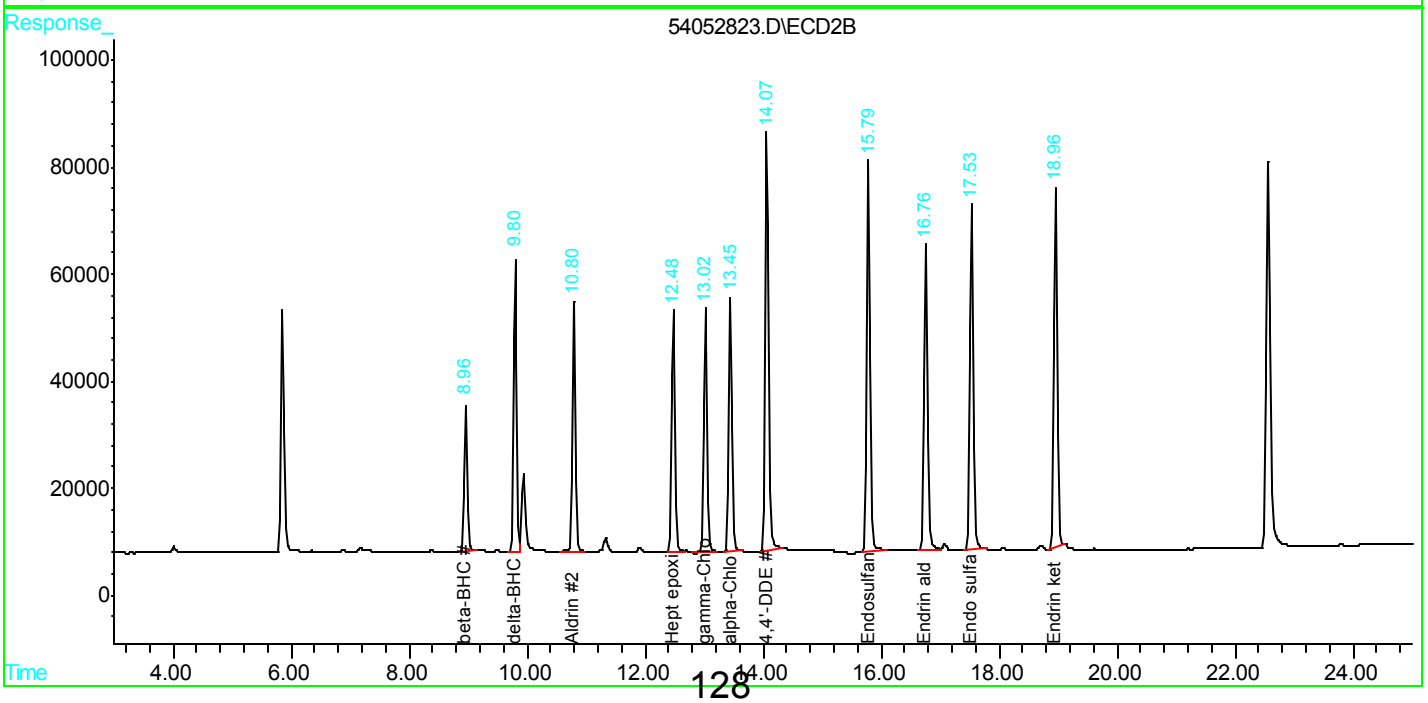
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052823.D\ECD1A.CH Vial: 94
Signal #2 : E:\HPCHEM\1\DATA\540528\54052823.D\ECD2B.CH
Acq On : 28 May 2004 10:55 pm Operator: WDP
Sample : INDB-03 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:10 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052824.D\ECD1A.CH Vial: 95
Signal #2 : E:\HPCHEM\1\DATA\540528\54052824.D\ECD2B.CH
Acq On : 28 May 2004 11:24 pm Operator: WDP
Sample : INDB-04 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:11 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.28	10.80f	3380573	3514586	39.926	42.247
6) B	beta-BHC	6.62	8.96f	1598551	1977111	41.047	41.033
7) B	delta-BHC	7.05	9.80f	3061835	3953168	38.067	39.852
8) B	Hept epoxide	9.95	12.48f	3060506	3330671	41.332	41.197
10) B	gamma-Chlordane	10.29	13.03f	3198977	3447022	41.214	40.936
11) B	alpha-Chlordane	10.66	13.45f	3343664	3593105	41.394	41.202
12) B	4,4'-DDE	11.06	14.07f	5678489	6238102	80.124	85.031
15) B	Endosulfan II	12.85	15.79f	5453896	5672679	83.187	82.457
18) B	Endrin aldehyde	14.03	16.76f	4664676	4516816	80.213	80.391
19) B	Endo sulfate	15.22	17.53f	5157470	5064584	82.425	81.295
21) B	Endrin ketone	15.91	18.96f	5455065	5289936	83.430	81.457
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

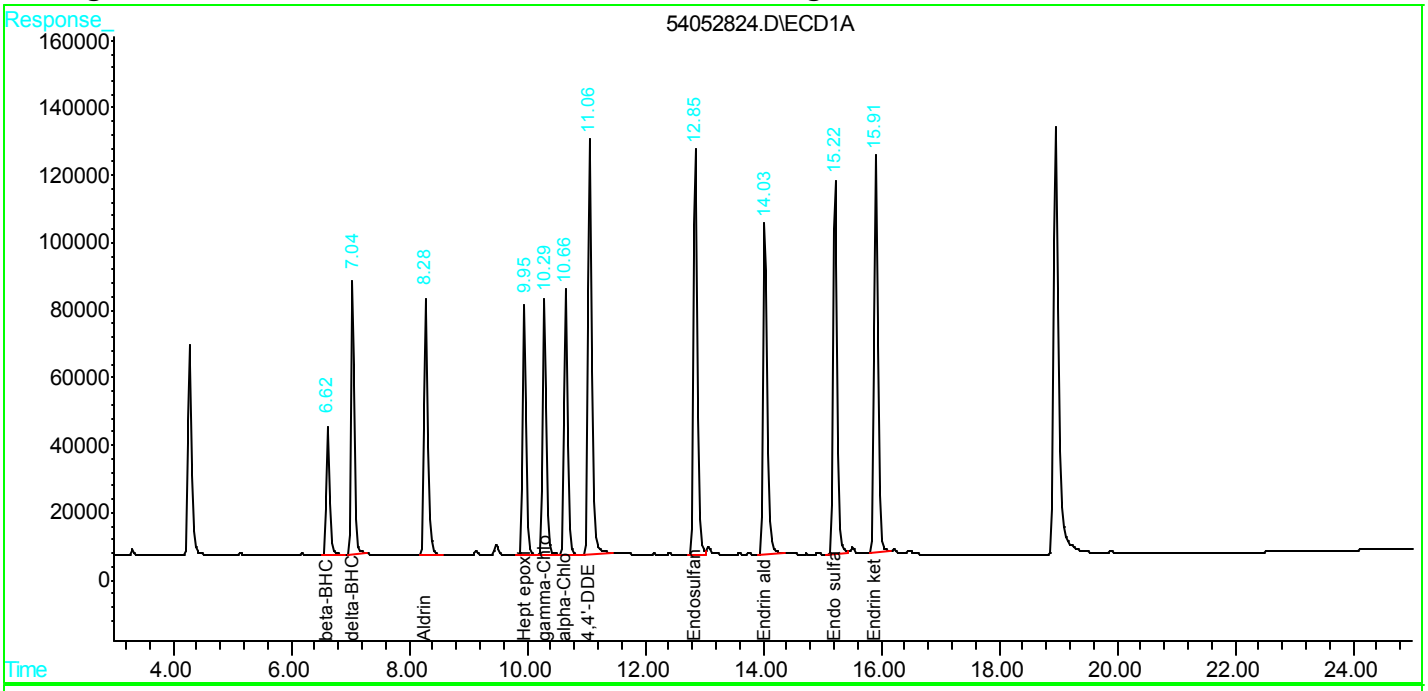
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052824.D 56084601.M Wed Jun 02 13:11:37 2004 Page 1

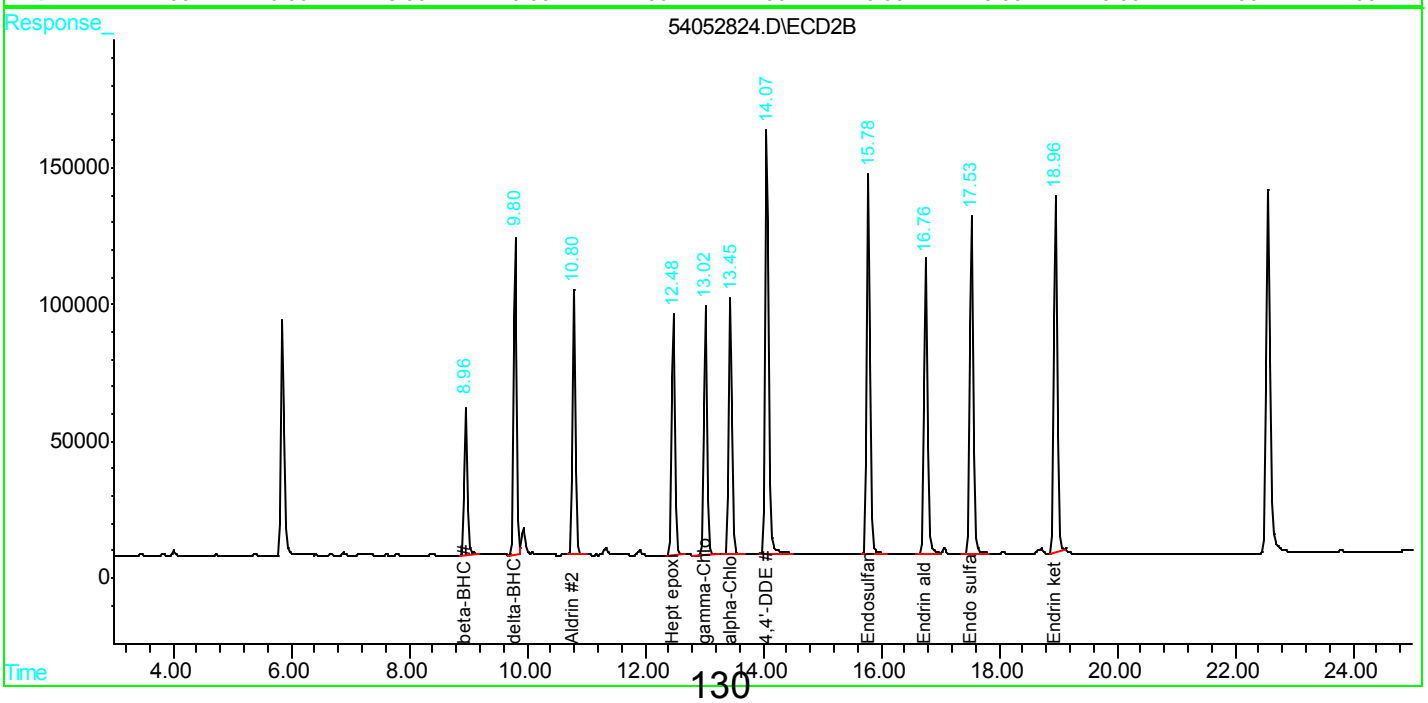
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052824.D\ECD1A.CH Vial: 95
Signal #2 : E:\HPCHEM\1\DATA\540528\54052824.D\ECD2B.CH
Acq On : 28 May 2004 11:24 pm Operator: WDP
Sample : INDB-04 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:11 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052825.D\ECD1A.CH Vial: 96
Signal #2 : E:\HPCHEM\1\DATA\540528\54052825.D\ECD2B.CH
Acq On : 28 May 2004 11:53 pm Operator: WDP
Sample : INDB-05 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:12 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.28	10.80f	6683551	7249467	82.363	87.142
6) B	beta-BHC	6.62	8.96	3425477	4020710	87.959	83.447
7) B	delta-BHC	7.04	9.80	6991641	8481695	82.121	84.581
8) B	Hept epoxide	9.95	12.48f	6328144	6639753	85.460	82.127
10) B	gamma-Chlordane	10.29	13.02f	6788732	7065990	87.462	83.913
11) B	alpha-Chlordane	10.66	13.45f	6972421	7214531	86.318	82.730
12) B	4,4'-DDE	11.06	14.07f	12130457	12627912	170.081	172.129
15) B	Endosulfan II	12.85	15.79f	10958717	11039848	167.151	160.472
18) B	Endrin aldehyde	14.03	16.76f	9756062	9096725	167.764	161.905
19) B	Endo sulfate	15.22	17.53f	10377731	9997167	165.853	160.470
21) B	Endrin ketone	15.91	18.96f	11213221	10708547	171.496	164.896
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

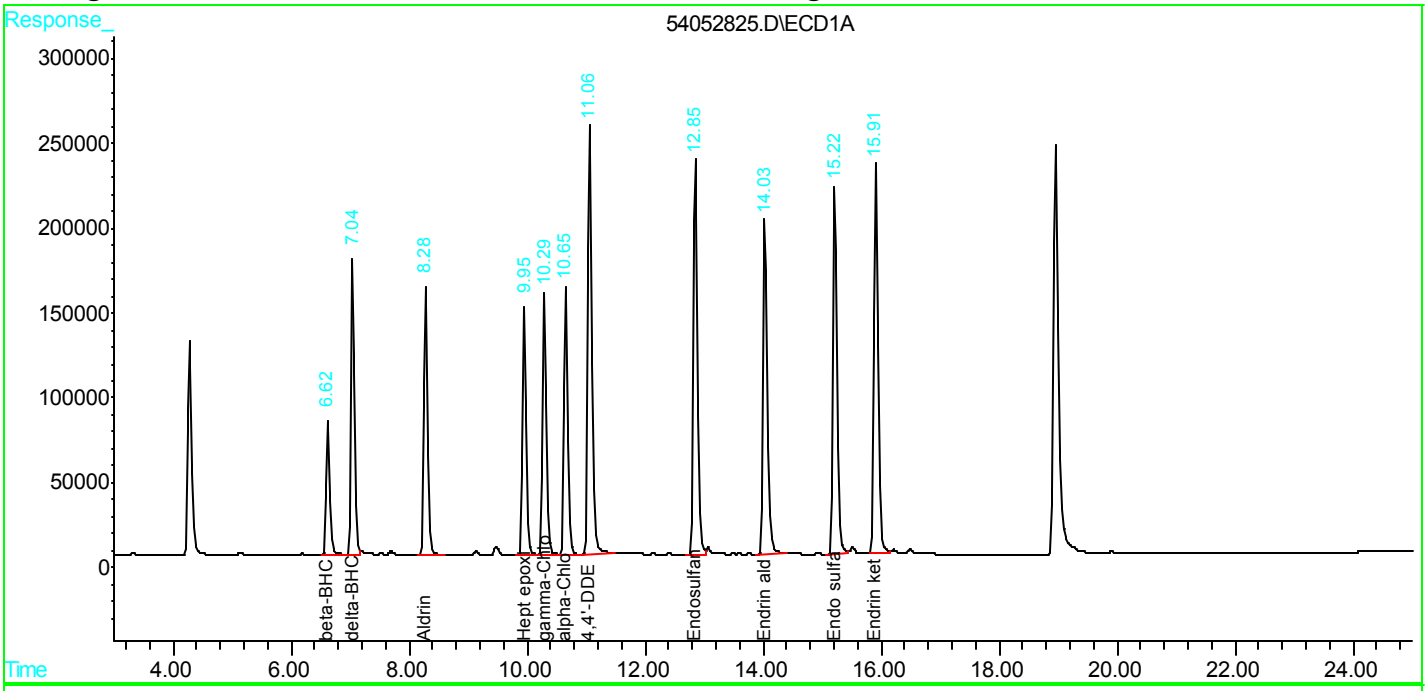
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052825.D 56084601.M Wed Jun 02 13:12:45 2004 Page 1

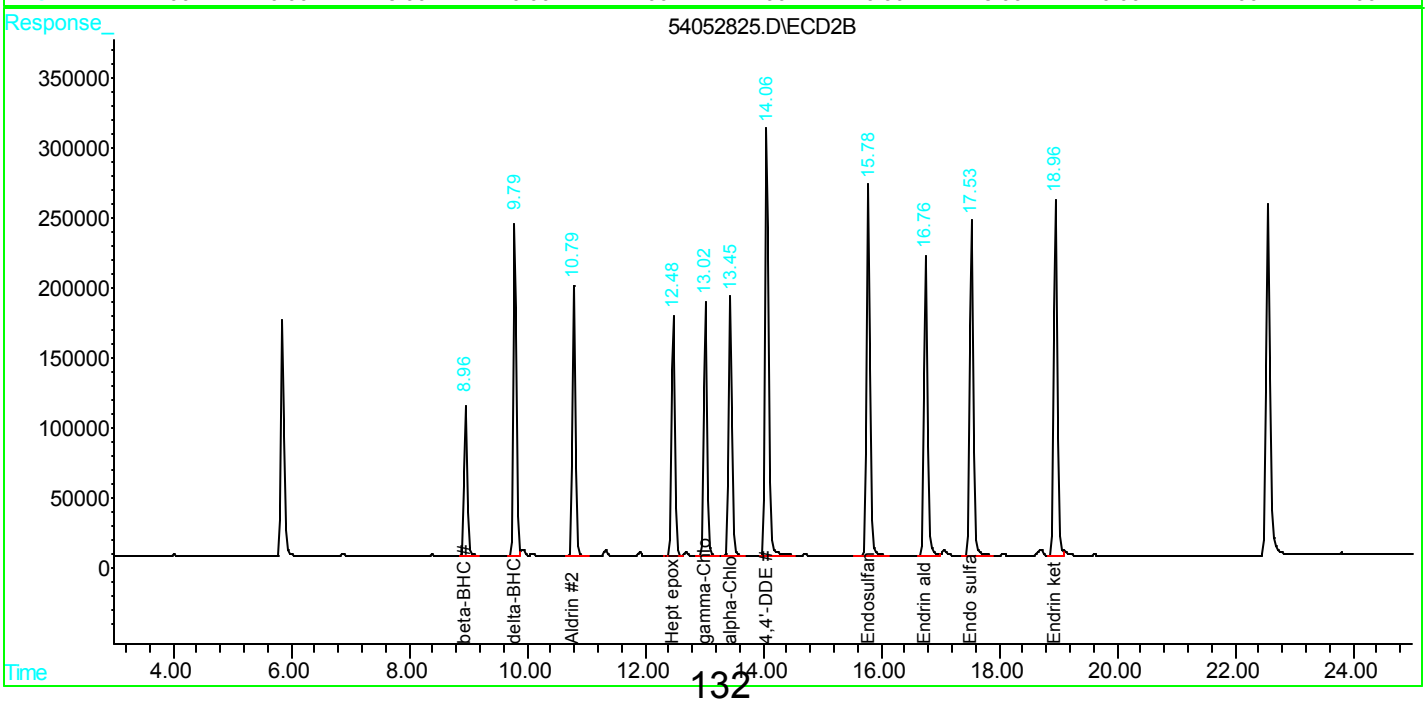
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052825.D\ECD1A.CH Vial: 96
Signal #2 : E:\HPCHEM\1\DATA\540528\54052825.D\ECD2B.CH
Acq On : 28 May 2004 11:53 pm Operator: WDP
Sample : INDB-05 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:12 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052826.D\ECD1A.CH Vial: 97
Signal #2 : E:\HPCHEM\1\DATA\540528\54052826.D\ECD2B.CH
Acq On : 29 May 2004 12:22 am Operator: WDP
Sample : INDB-06 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:13 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5) MB	Aldrin	8.28	10.80f	8174944	8814878	101.525	105.959
6) B	beta-BHC	6.62	8.96f	4233573	4873326	108.709	101.142
7) B	delta-BHC	7.04	9.80f	8769527	10415172	102.052	103.679
8) B	Hept epoxide	9.95	12.48f	7673470	7937703	103.629	98.181
10) B	gamma-Chlordane	10.29	13.02f	8338128	8572200	107.424	101.800
11) B	alpha-Chlordane	10.66	13.45f	8539126	8758621	105.713	100.436
12) B	4,4'-DDE	11.06	14.07f	14673916	15079697	205.544	205.549
15) B	Endosulfan II	12.85	15.79f	13153968	13129434	200.635	190.846
18) B	Endrin aldehyde	14.03	16.76f	11330557	10361491	194.838	184.415
19) B	Endo sulfate	15.22	17.53f	12440722	11936144	198.823	191.594
21) B	Endrin ketone	15.91	18.96f	13427562	12677093	205.363	195.209
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

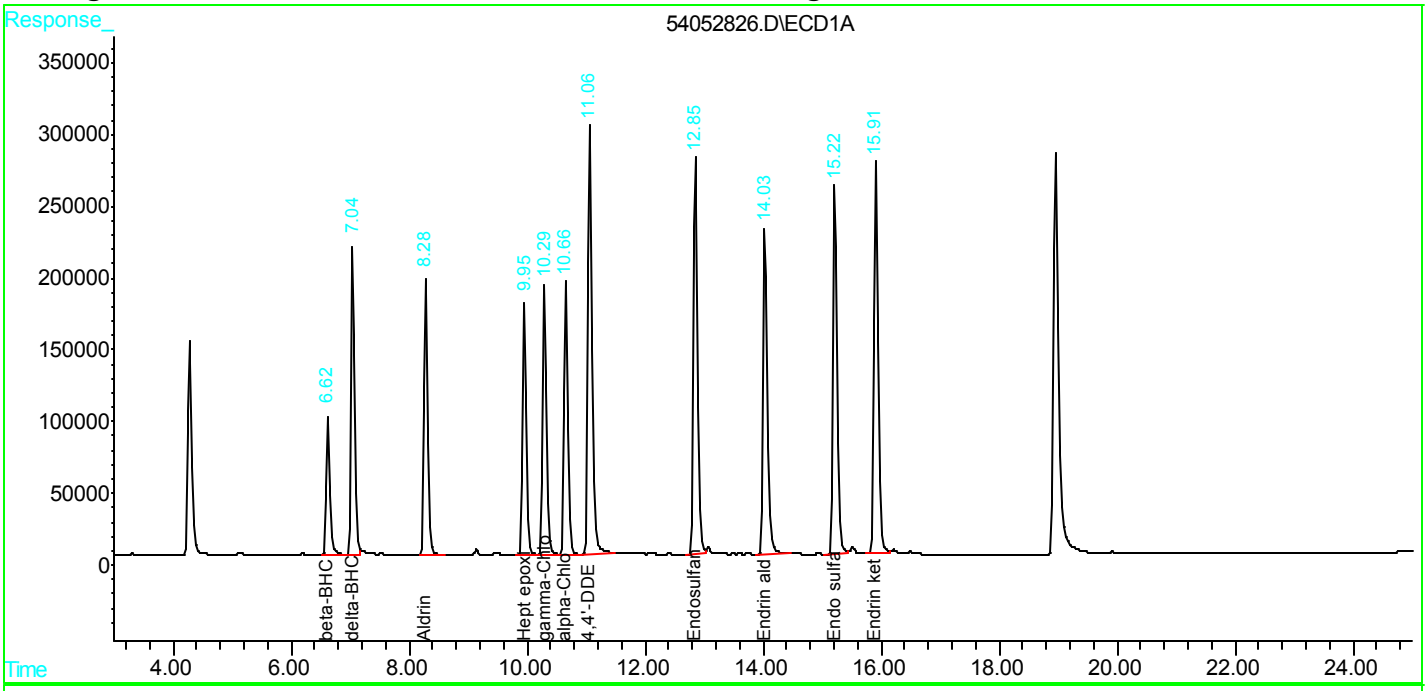
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052826.D 56084601.M Wed Jun 02 13:14:06 2004 Page 1

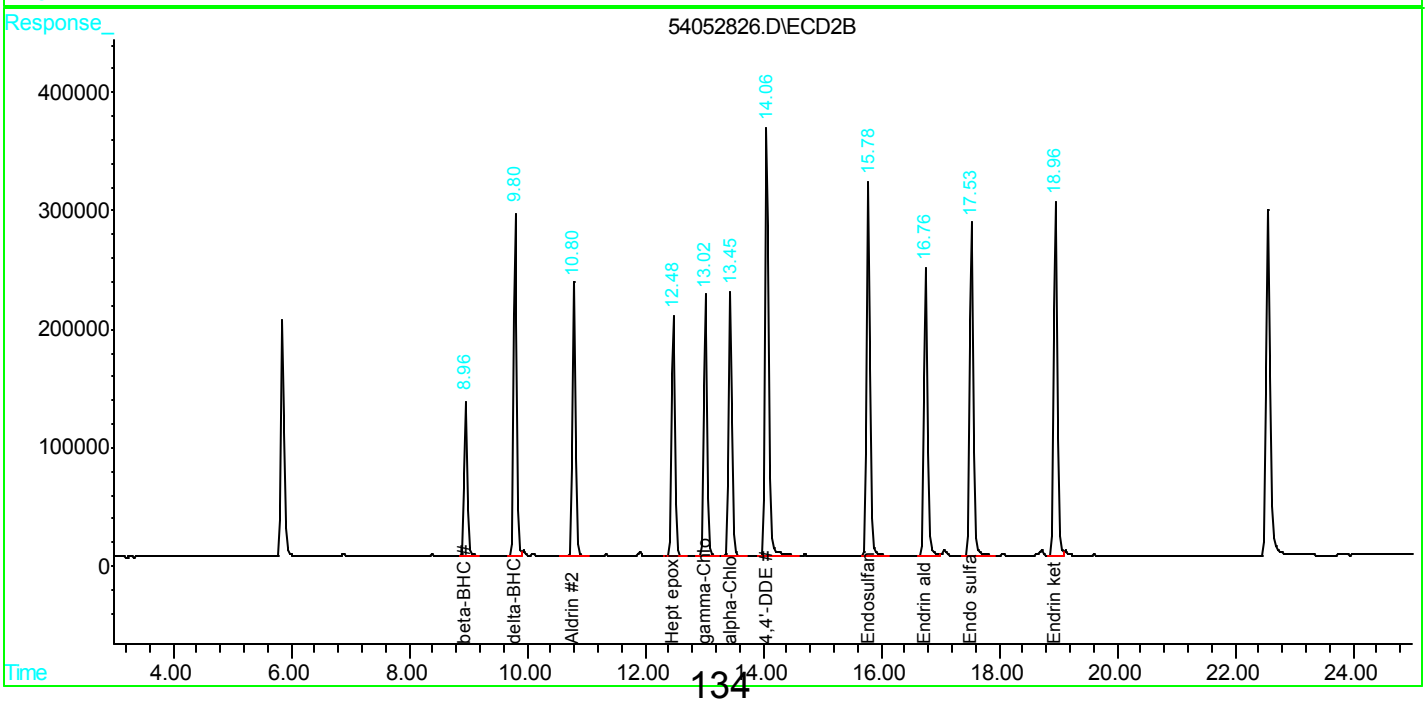
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052826.D\ECD1A.CH Vial: 97
Signal #2 : E:\HPCHEM\1\DATA\540528\54052826.D\ECD2B.CH
Acq On : 29 May 2004 12:22 am Operator: WDP
Sample : INDB-06 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:13 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052827.D\ECD1A.CH Vial: 98
Signal #2 : E:\HPCHEM\1\DATA\540528\54052827.D\ECD2B.CH
Acq On : 29 May 2004 12:51 am Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:15 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
		Target Compounds						
5)	MB	Aldrin	8.28	10.80f	12549897	13155366	157.736	158.134
6)	B	beta-BHC	6.62	8.96	6486534	7267974	166.561	150.841
7)	B	delta-BHC	7.04	9.79	13789578	15687399	158.328	155.754
8)	B	Hept epoxide	9.95	12.48f	11545090	11694413	155.914	144.647
10)	B	gamma-Chlordane	10.29	13.02f	12707119	12806582	163.711	152.087
11)	B	alpha-Chlordane	10.66	13.45f	12972511	13012089	160.598	149.211
12)	B	4,4'-DDE	11.06	14.06f	22317410	22859633	312.114	311.596
15)	B	Endosulfan II	12.85	15.78f	19479262	19048799	297.114	276.888
18)	B	Endrin aldehyde	14.03	16.76f	16570559	15340783	284.945	273.037
19)	B	Endo sulfate	15.22	17.53f	18618473	17447099	297.553	280.054
21)	B	Endrin ketone	15.91	18.96f	19891932	18478165	304.229	284.537
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000
		Sum Chlordane			0	0	N.D.	N.D.
		Average Chlordane					0.000	0.000

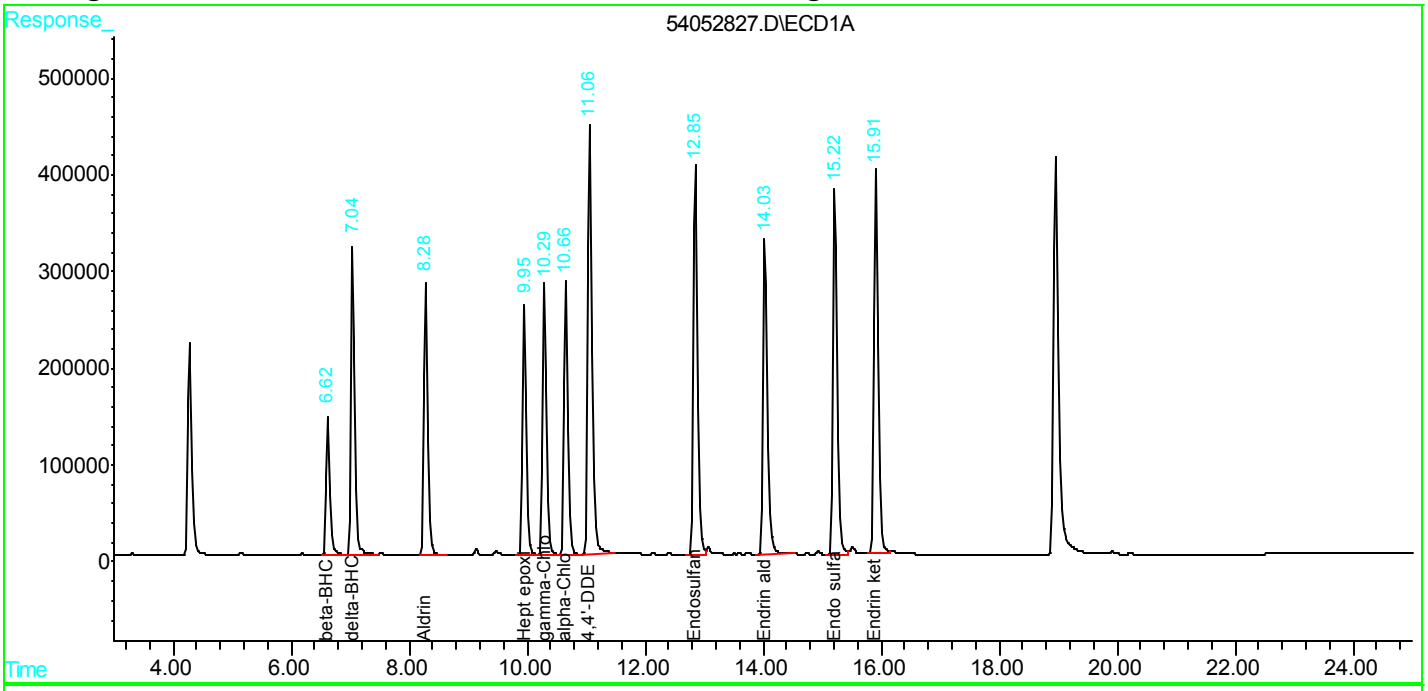
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052827.D 56084601.M Wed Jun 02 13:15:31 2004 Page 1

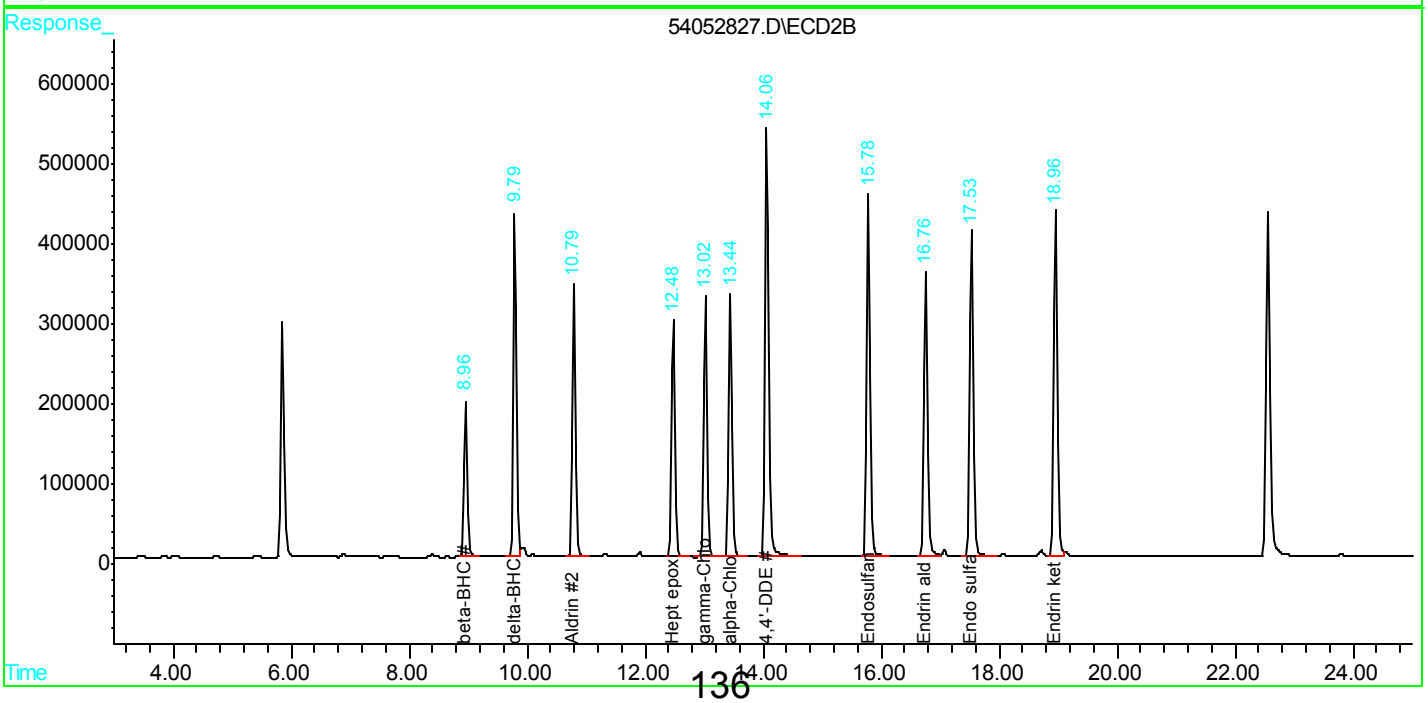
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052827.D\ECD1A.CH Vial: 98
Signal #2 : E:\HPCHEM\1\DATA\540528\54052827.D\ECD2B.CH
Acq On : 29 May 2004 12:51 am Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:15 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD1A.CH Vial: 99
Signal #2 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD2B.CH
Acq On : 29 May 2004 1:20 am Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	100.000	101.267	-1.3	101	-0.03
3	MA	gamma-BHC	100.000	103.299	-3.3	105	-0.03
4	MA	Heptachlor	100.000	94.678	5.3	91	-0.03
5	MB	Aldrin	100.000	105.184	-5.2	103	0.00
6	B	beta-BHC	100.000	111.825	-11.8	103	0.00
7	B	delta-BHC	100.000	92.204	7.8	90	0.00
8	B	Hept epoxide	100.000	102.955	-3.0	99	0.00
9	A	Endosulfan I	100.000	93.883	6.1	91	-0.02
10	B	gamma-Chlordane	100.000	108.508	-8.5	101	0.00
11	B	alpha-Chlordane	100.000	104.862	-4.9	99	0.00
12	B	4,4'-DDE	200.000	112.858	43.6#	55	0.00
13	MA	Dieldrin	200.000	112.302	43.8#	53	-0.02
14	MA	Endrin	200.000	103.812	48.1#	48	-0.02
15	B	Endosulfan II	200.000	110.689	44.7#	55	0.00
16	A	4,4'-DDD	200.000	94.148	52.9#	44	-0.01
17	MA	4,4'-DDT	200.000	98.088	51.0#	46	-0.01
18	B	Endrin aldehyde	200.000	102.420	48.8#	53	0.00
19	B	Endo sulfate	200.000	106.668	46.7#	54	0.01
20	A	Methoxychlor	1000.000	107.492	89.3#	11	0.00
21	B	Endrin ketone	200.000	118.408	40.8#	58	0.01

Signal #2

2	A	alpha-BHC	100.000	101.366	-1.4	100	0.00
3	MA	gamma-BHC	100.000	104.259	-4.3	105	0.00
4	MA	Heptachlor	100.000	97.774	2.2	96	0.00
5	MB	Aldrin	100.000	107.625	-7.6	102	0.02
6	B	beta-BHC	100.000	103.175	-3.2	102	0.01
7	B	delta-BHC	100.000	89.771	10.2	86	0.01
8	B	Hept epoxide	100.000	97.737	2.3	100	0.02
9	A	Endosulfan I	100.000	103.221	-3.2	103	0.00
10	B	gamma-Chlordane	100.000	103.130	-3.1	101	0.02
11	B	alpha-Chlordane	100.000	97.306	2.7	97	0.02
12	B	4,4'-DDE	200.000	105.934	47.0#	52	0.02
13	MA	Dieldrin	200.000	109.742	45.1#	54	0.00
14	MA	Endrin	200.000	102.417	48.8#	50	0.01
15	B	Endosulfan II	200.000	115.721	42.1#	61	0.02
16	A	4,4'-DDD	200.000	92.488	53.8#	43	0.01
17	MA	4,4'-DDT	200.000	99.379	50.3#	47	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD1A.CH Vial: 99
Signal #2 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD2B.CH
Acq On : 29 May 2004 1:20 am Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
18	B	Endrin aldehyde	200.000	105.493	47.3#	57	0.02
19	B	Endo sulfate	200.000	101.951	49.0#	53	0.02
20	A	Methoxychlor	1000.000	110.772	88.9#	11	0.02
21	B	Endrin ketone	200.000	116.179	41.9#	60	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54052828.D 56084601.M Thu Jun 03 09:08:06 2004 Page 2

Signal #1 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD1A.CH Vial: 99
Signal #2 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD2B.CH
Acq On : 29 May 2004 1:20 am Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	100.000	0.000	100.0#	0	-4.30#
22	L10 Toxaphene {1}	3000.000	235.198	92.2#	0	-12.34#
23	L10 Toxaphene {2}	3000.000	193.908	93.5#	0	-13.16#
24	L10 Toxaphene {3}	3000.000	172.281	94.3#	0	-14.32#
25	L10 Toxaphene {4}	3000.000	485.184	83.8#	0	-14.89#
26	L10 Toxaphene {5}	3000.000	-1917.502	163.9#	0	-15.85#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-7.32#
28	L11 Chlordane {2}	750.000	0.000	100.0#	0	-8.73#
29	L11 Chlordane {3}	750.000	11.282	98.5#	0	-10.29#
30	L11 Chlordane {4}	750.000	7.878	98.9#	0	-10.65#
31	L11 Chlordane {5}	750.000	33.825	95.5#	0	-12.65#
32	SA DCB	200.000	-11.469	105.7#	0	-18.96#

Signal #2

1	SA TCMX	100.000	0.000	100.0#	0	-5.85#
22	L10 Toxaphene {1}	3000.000	101.830	96.6#	0	-16.02#
23	L10 Toxaphene {2}	3000.000	-3233.046	207.8#	0	-16.77#
24	L10 Toxaphene {3}	3000.000	158.009	94.7#	0	-16.97#
25	L10 Toxaphene {4}	3000.000	123.839	95.9#	0	-18.15#
26	L10 Toxaphene {5}	3000.000	186.121	93.8#	0	-18.42#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-9.46#
28	L11 Chlordane {2}	750.000	-46.092	106.1#	0	-11.30#
29	L11 Chlordane {3}	750.000	0.000	100.0#	0	-13.01#
30	L11 Chlordane {4}	750.000	0.000	100.0#	0	-13.28#
31	L11 Chlordane {5}	750.000	0.000	100.0#	0	-13.43#
32	SA DCB	200.000	-13.584	106.8#	0	-22.54#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD1A.CH Vial: 99
Signal #2 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD2B.CH
Acq On : 29 May 2004 1:20 am Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 1 10:38 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Tue Jun 01 10:36:20 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
		Target Compounds						
2)	A	alpha-BHC	5.55f	7.61	9244254	10998954	101.267	101.366
3)	MA	gamma-BHC	6.33f	8.65	8588739	10210338	103.299	104.259
4)	MA	Heptachlor	7.53f	9.89	8594961	9647767	94.678	97.774
5)	MB	Aldrin	8.28	10.79f	8459758	8953468	105.184	107.625
6)	B	beta-BHC	6.62	8.96	4354910	4971277	111.825	103.175
7)	B	delta-BHC	7.04	9.80	7891029	9007143	92.204	89.771
8)	B	Hept epoxide	9.95	12.48f	7623573	7901823	102.955	97.737
9)	A	Endosulfan I	10.97f	13.55	6623196	7926790	93.883	103.221
10)	B	gamma-Chlordane	10.29	13.02f	8422322	8684159	108.508	103.130
11)	B	alpha-Chlordane	10.66	13.45f	8470379	8485682	104.862	97.306
12)	B	4,4'-DDE	11.06	14.07f	8026286	7771655	112.858m	105.934
13)	MA	Dieldrin	11.63f	14.33	7635222	7927251	112.302	109.742
14)	MA	Endrin	12.22f	15.16	6321330	6510202	103.812	102.417
15)	B	Endosulfan II	12.85	15.78f	7256985	7961142	110.689	115.721m
16)	A	4,4'-DDD	12.69	15.70	5092471	5244936	94.148	92.488
17)	MA	4,4'-DDT	13.44	16.55	5395045	5267399	98.088	99.379
18)	B	Endrin aldehyde	14.03	16.76f	5956065	5927193	102.420	105.493
19)	B	Endo sulfate	15.22	17.53f	6674414	6351448	106.668	101.951
20)	A	Methoxychlor	14.95	18.58f	2973934	2897444	107.492	110.772m
21)	B	Endrin ketone	15.91	18.96f	7742089	7544811	118.408	116.179m
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000
		Sum Chlordane			0	0	N.D.	N.D.
		Average Chlordane					0.000	0.000

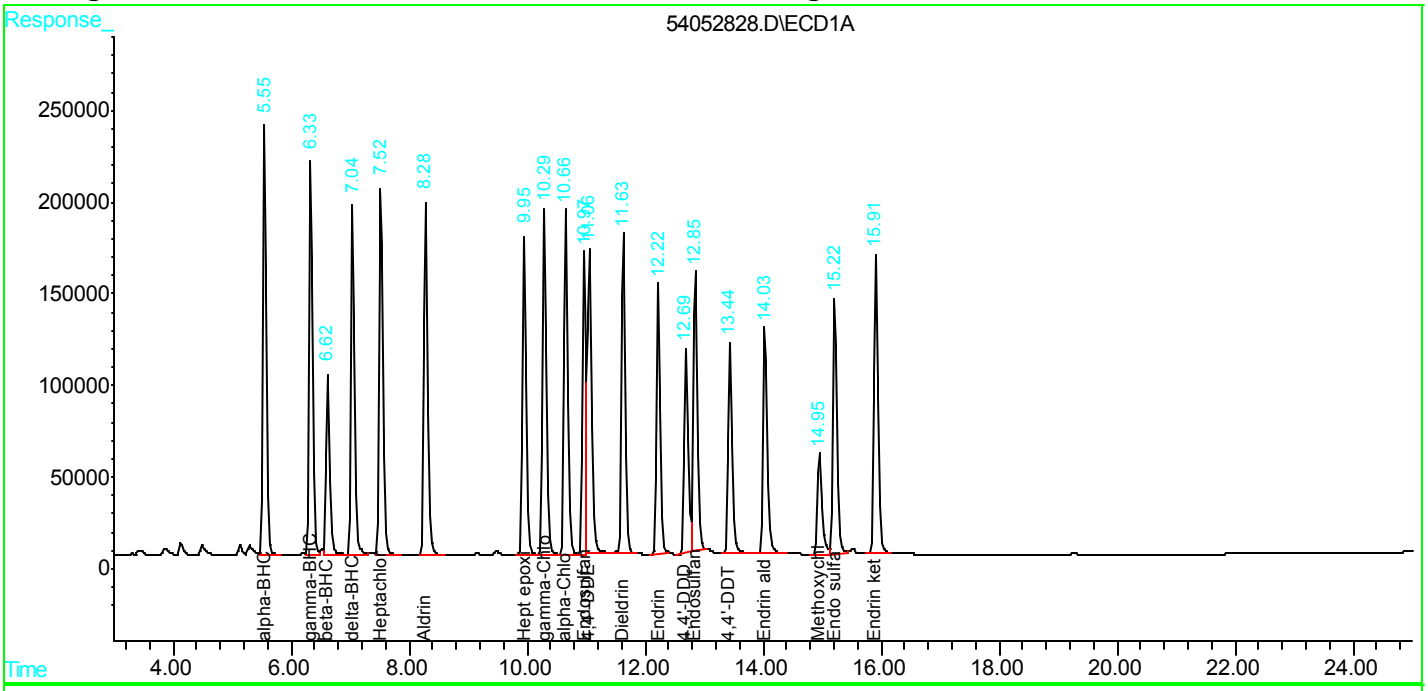
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052828.D 56084601.M Thu Jun 03 09:00:50 2004 Page 1

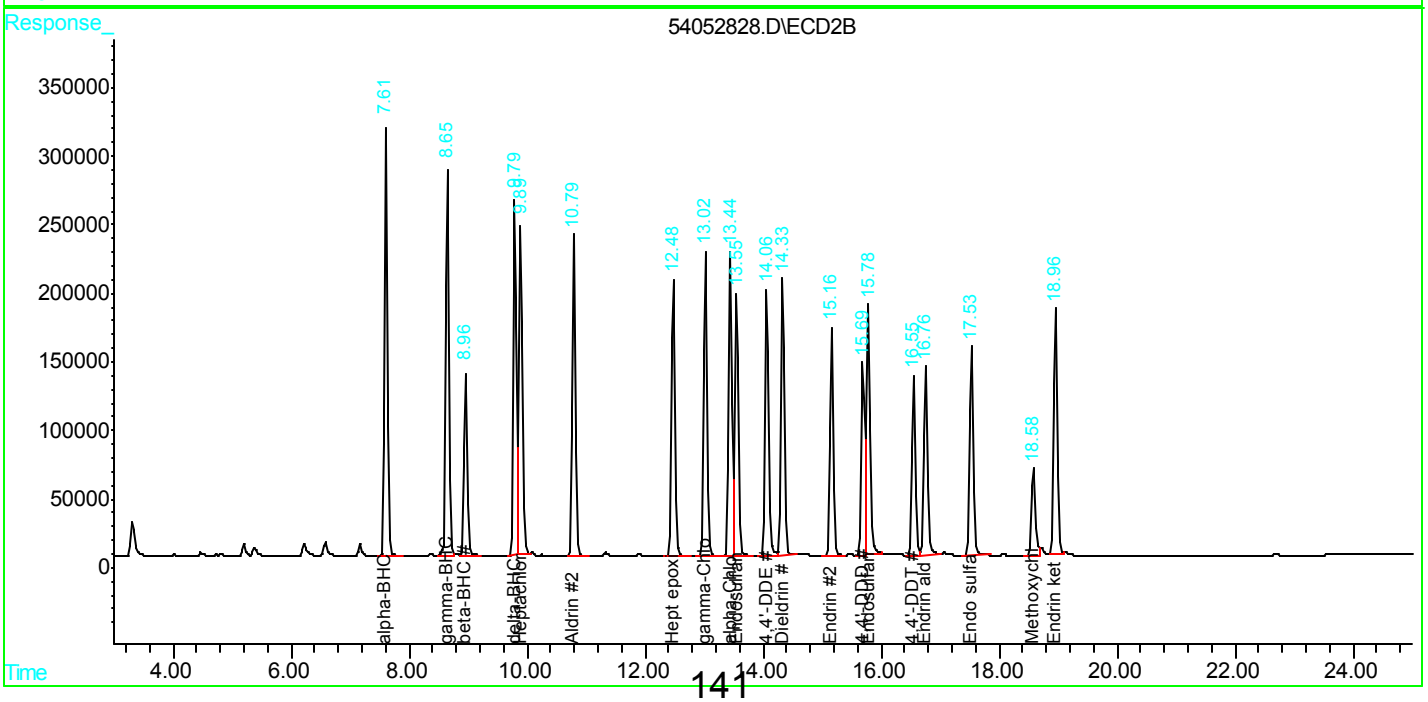
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD1A.CH Vial: 99
Signal #2 : E:\HPCHEM\1\DATA\540528\54052828.D\ECD2B.CH
Acq On : 29 May 2004 1:20 am Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 1 10:38 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 4/12/04 Update TO/CH from 56084326M
Last Update : Tue Jun 01 10:36:20 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052844.D\ECD1A.CH Vial: 19
Signal #2 : E:\HPCHEM\1\DATA\540528\54052844.D\ECD2B.CH
Acq On : 29 May 2004 9:06 am Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 9:02 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.85	10791865	12124317	186.120	171.743
	Spiked Amount 50.000	Range 30 - 150		Recovery =		372.24%#	343.49%#
32)	SA DCB	18.96	22.56f	29609586	24007780	349.466	348.919
	Spiked Amount 50.000	Range 30 - 150		Recovery =		698.93%#	697.84%#
	Target Compounds						
2)	A alpha-BHC	5.55f	7.61	17576442	20244254	189.619	185.890
3)	MA gamma-BHC	6.34f	8.65	15963094	18156888	189.809	185.200
4)	MA Heptachlor	7.53f	9.89	16903521	17630446	186.200	183.350
9)	A Endosulfan I	10.97f	13.55	13123826	13049688	186.028	169.931
13)	MA Dieldrin	11.63f	14.33	25024355	24450998	368.070	338.491
14)	MA Endrin	12.23	15.16	22759761	21679113	373.771	341.050
16)	A 4,4'-DDD	12.69f	15.69	20503838	20735735	373.353	365.649
17)	MA 4,4'-DDT	13.44	16.55	21651407	19515789	375.926	361.007
20)	A Methoxychlor	14.95	18.58	48144806	42771947	1740.176	1635.212
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

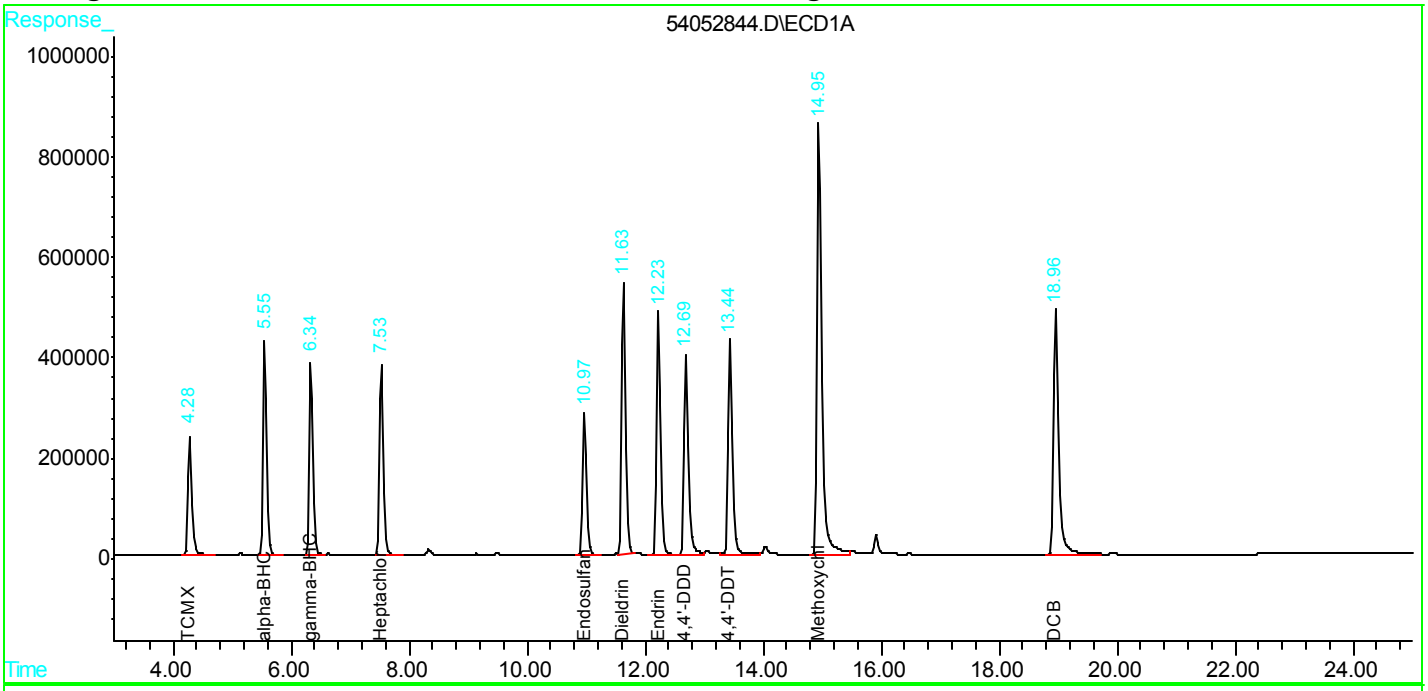
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052844.D 56084601.M Thu Jun 03 09:02:31 2004 Page 1

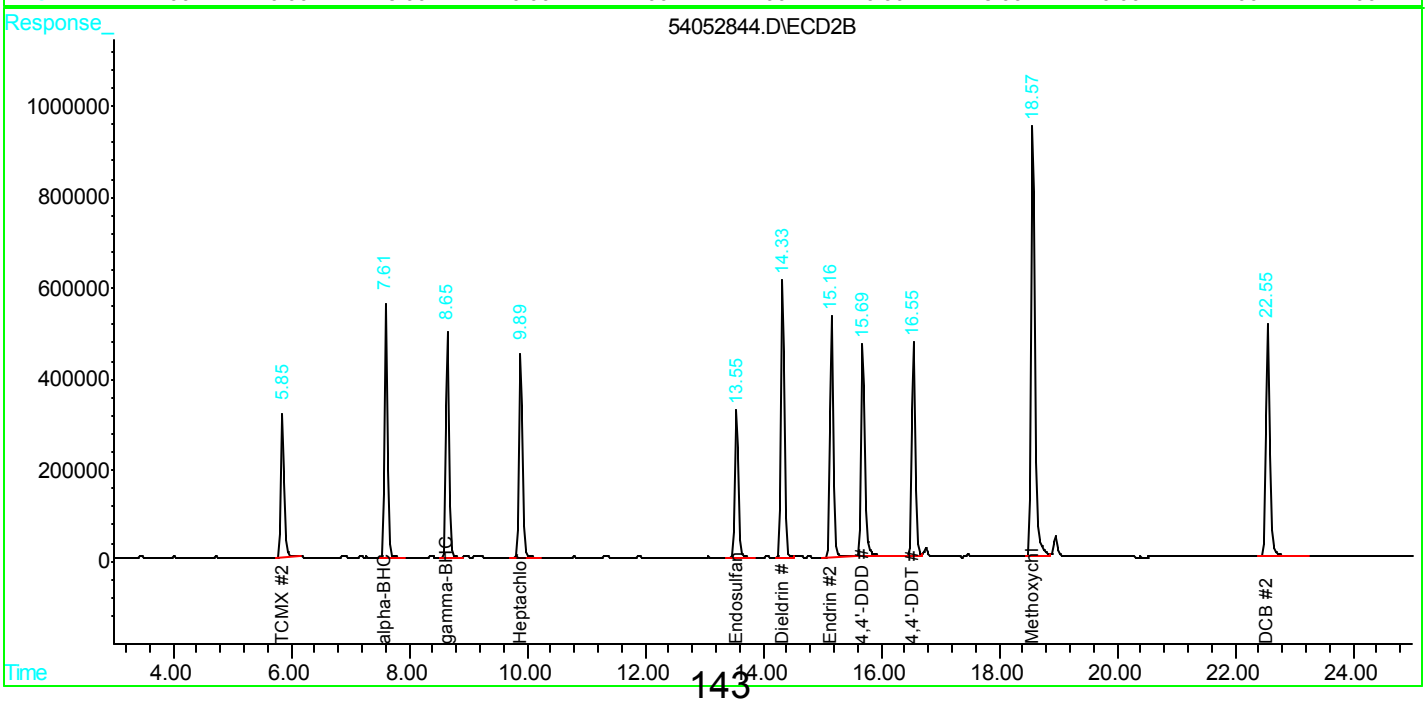
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052844.D\ECD1A.CH Vial: 19
Signal #2 : E:\HPCHEM\1\DATA\540528\54052844.D\ECD2B.CH
Acq On : 29 May 2004 9:06 am Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 9:02 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540528\54052845.D\ECD1A.CH Vial: 20
Signal #2 : E:\HPCHEM\1\DATA\540528\54052845.D\ECD2B.CH
Acq On : 29 May 2004 9:36 am Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 9:03 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.28f	5.86	9746308	11128583	168.088	157.638
	Spiked Amount 50.000	Range 30 - 150		Recovery =		336.18%#	315.28%#
32)	SA DCB	18.96	22.56f	24358827	19816270	285.461	285.630
	Spiked Amount 50.000	Range 30 - 150		Recovery =		570.92%#	571.26%#
	Target Compounds						
5)	MB Aldrin	8.29	10.80f	12443991	12979018	156.375	156.014
6)	B beta-BHC	6.63	8.96	6282141	7140690	161.312	148.200
7)	B delta-BHC	7.05	9.80f	13375540	15265355	153.687	151.585
8)	B Hept epoxide	9.96	12.48f	11360186	11577436	153.417	143.200
10)	B gamma-Chlordane	10.30	13.02f	12335328	12397874	158.921	147.233
11)	B alpha-Chlordane	10.66	13.45f	12562607	12653118	155.523	145.094
12)	B 4,4'-DDE	11.06	14.07f	21843426	22409680	305.505	305.463
15)	B Endosulfan II	12.85	15.78f	19197055	18839720	292.809	273.849
18)	B Endrin aldehyde	14.04	16.76f	16309112	14997738	280.449	266.932
19)	B Endo sulfate	15.22	17.53f	18342260	17091564	293.139	274.347
21)	B Endrin ketone	15.92f	18.96f	19637478	18219390	300.338	280.552
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

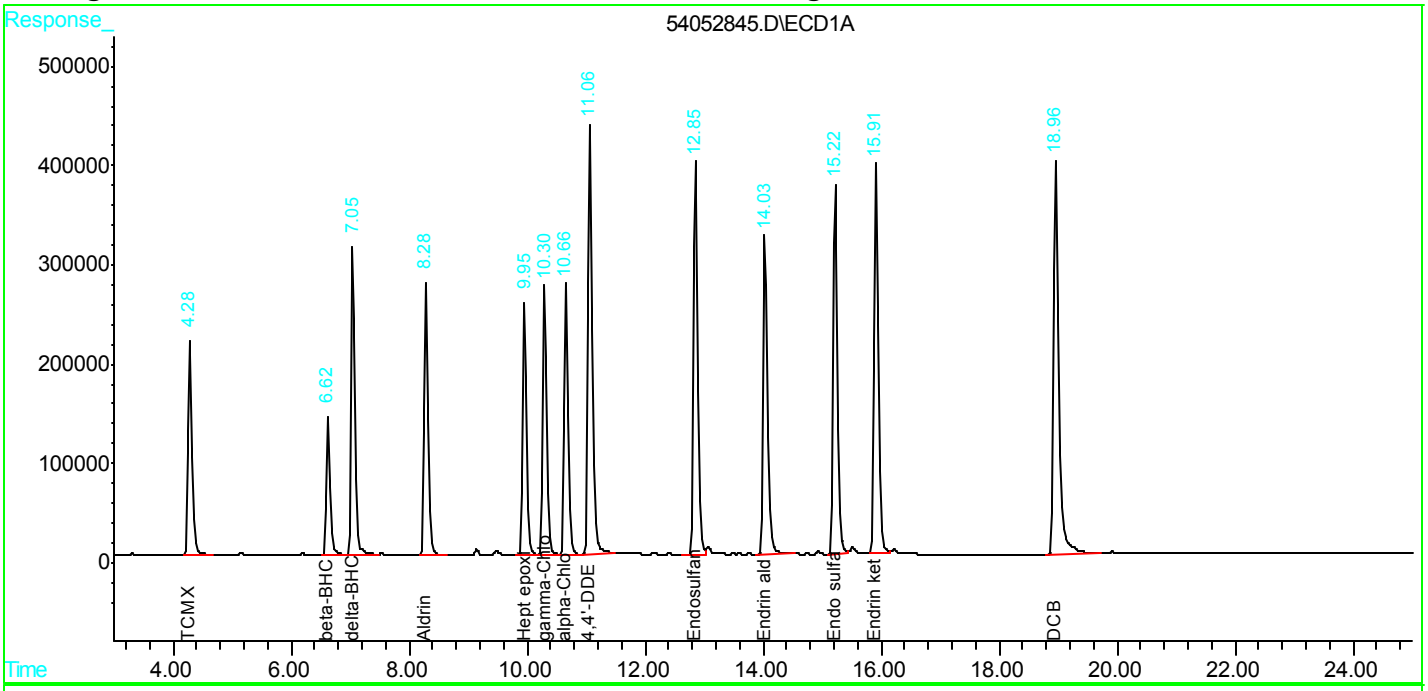
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54052845.D 56084601.M Thu Jun 03 09:03:34 2004 Page 1

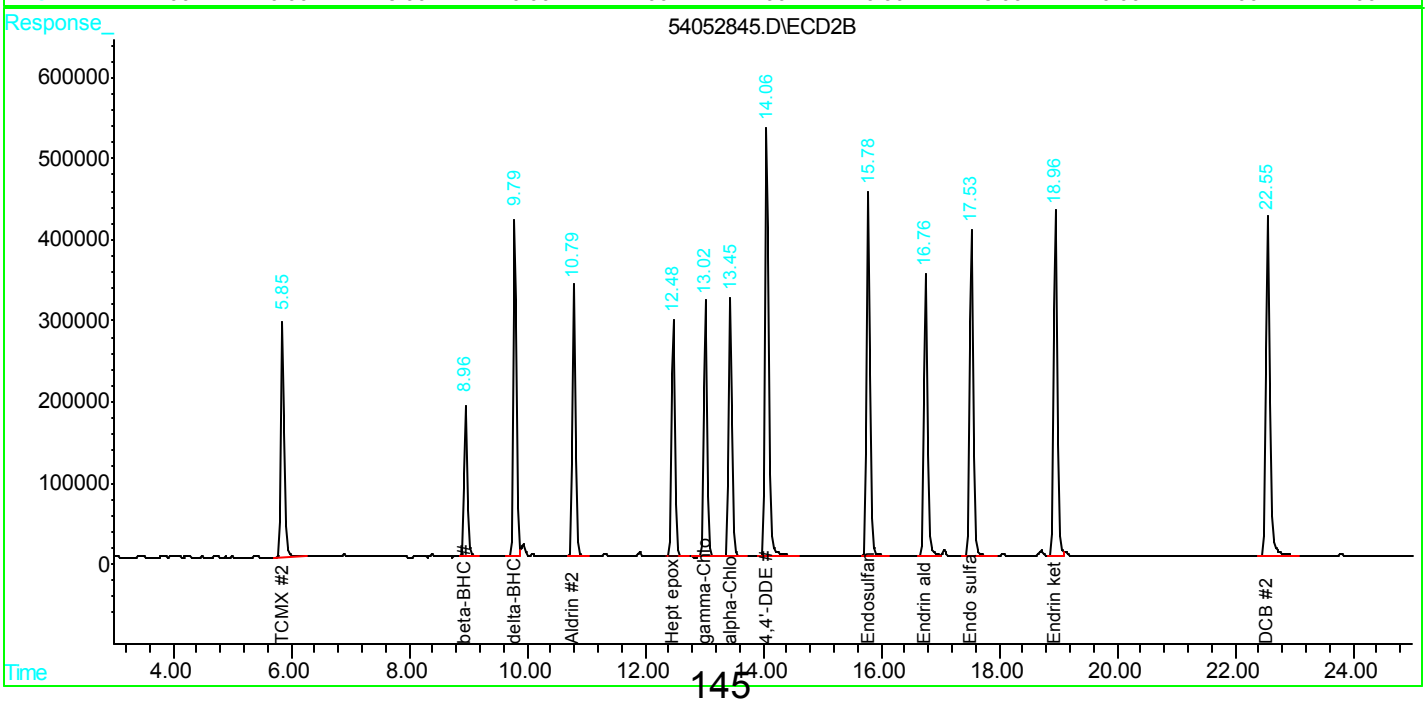
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540528\54052845.D\ECD1A.CH Vial: 20
Signal #2 : E:\HPCHEM\1\DATA\540528\54052845.D\ECD2B.CH
Acq On : 29 May 2004 9:36 am Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 3 9:03 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540601\54060103.D\ECD1A.CH Vial: 3
Signal #2 : E:\HPCHEM\1\DATA\540601\54060103.D\ECD2B.CH
Acq On : 1 Jun 2004 12:51 pm Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:18 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.30	5.86	8553110	9805069	147.510	138.890
	Spiked Amount 50.000	Range 30 - 150		Recovery =		295.02%#	277.78%#
32)	SA DCB	18.98f	22.56f	24850778	20478498	291.457	295.629
	Spiked Amount 50.000	Range 30 - 150		Recovery =		582.91%#	591.26%#
	Target Compounds						
2)	A alpha-BHC	5.58	7.62	13916082	16197438	150.806	148.892
3)	MA gamma-BHC	6.36	8.66	12633418	14650149	150.748	149.482
4)	MA Heptachlor	7.55	9.90f	14041306	14821134	154.672	153.234
9)	A Endosulfan I	10.99	13.56f	10801826	11023795	153.114	143.550
13)	MA Dieldrin	11.66	14.34f	20633075	20695350	303.481	286.499
14)	MA Endrin	12.25	15.17f	19880026	19109719	326.478	300.629
16)	A 4,4'-DDD	12.71	15.70f	16371808	16488733	298.494	290.758
17)	MA 4,4'-DDT	13.46	16.56f	18823681	17374972	327.597	321.698
20)	A Methoxychlor	14.97	18.58f	42427706	36849508	1533.533	1408.792
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

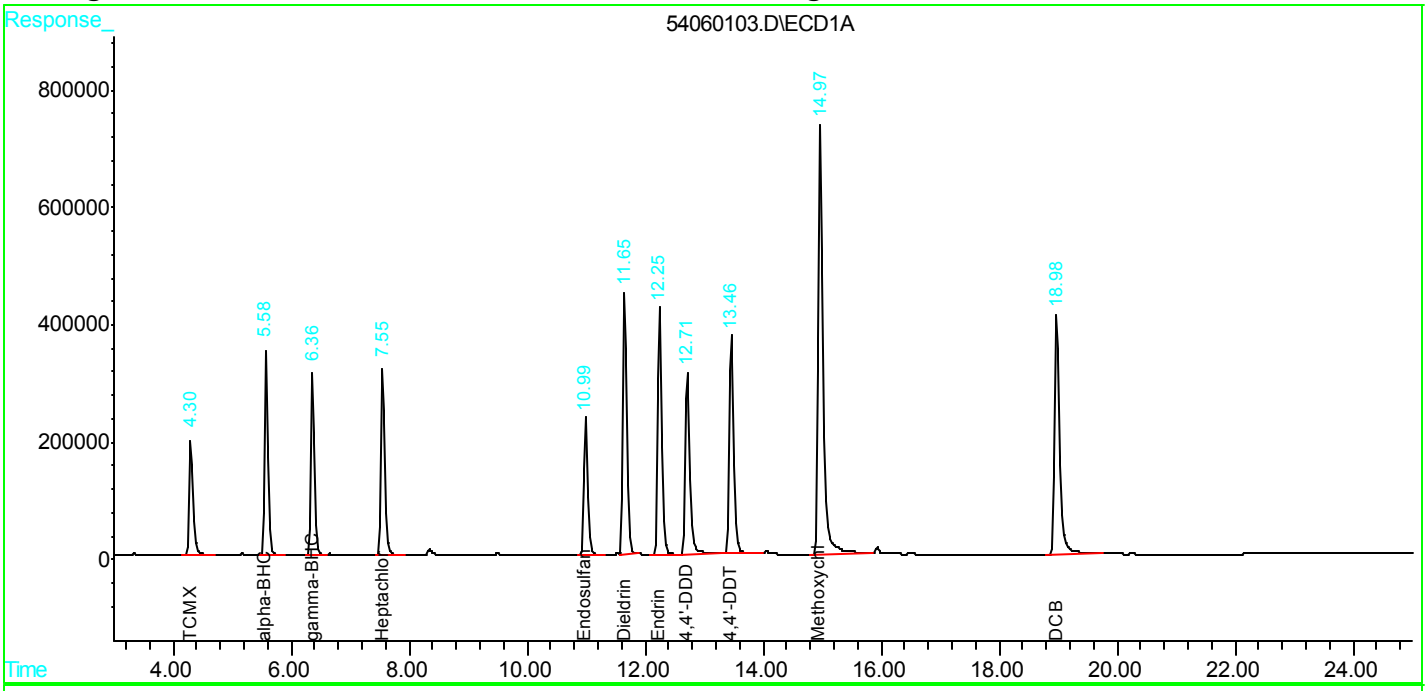
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060103.D 56084601.M Wed Jun 02 13:18:46 2004 Page 1

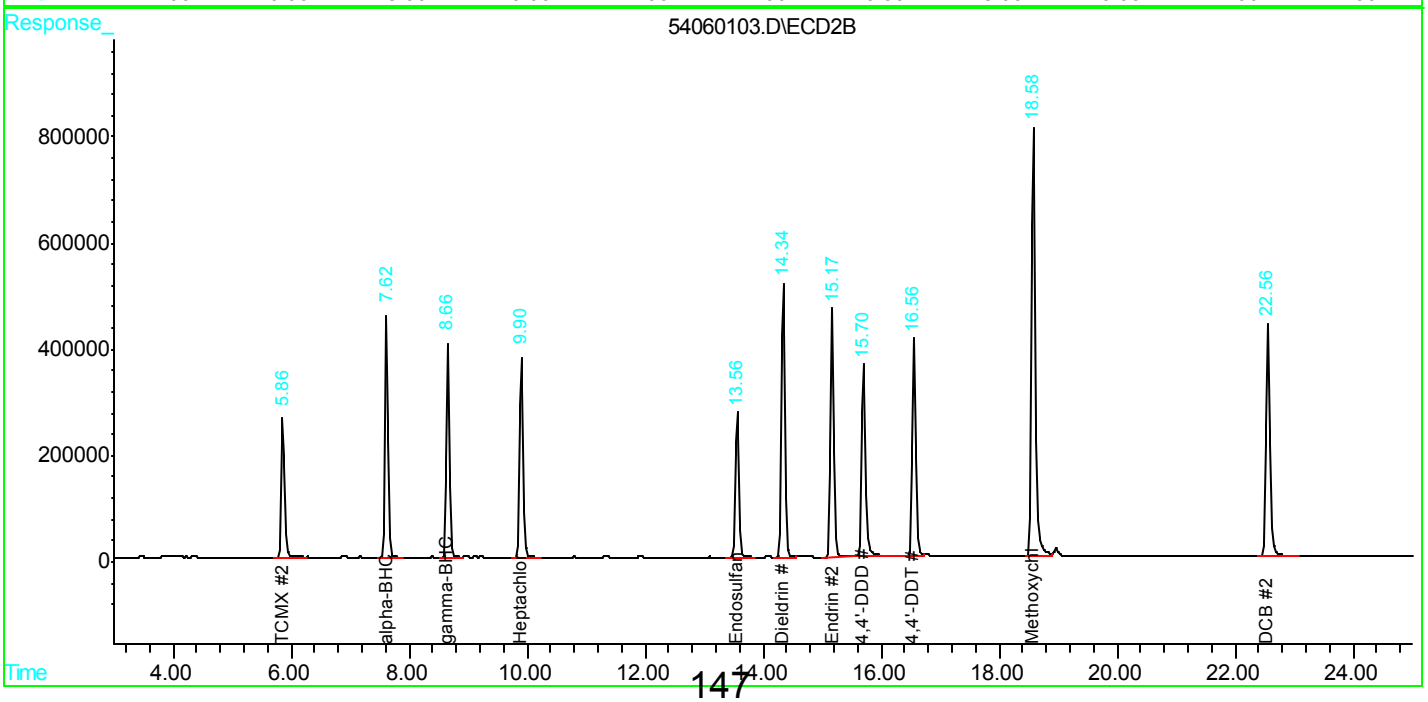
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060103.D\ECD1A.CH Vial: 3
Signal #2 : E:\HPCHEM\1\DATA\540601\54060103.D\ECD2B.CH
Acq On : 1 Jun 2004 12:51 pm Operator: WDP
Sample : INDA-07 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:18 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540601\54060104.D\ECD1A.CH Vial: 4
Signal #2 : E:\HPCHEM\1\DATA\540601\54060104.D\ECD2B.CH
Acq On : 1 Jun 2004 1:20 pm Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:19 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.86	9431179	10678505	162.653	151.263
	Spiked Amount	50.000	Range 30 - 150		Recovery =	325.31%#	302.53%#
32)	SA DCB	18.97f	22.56f	23989581	19781651	280.960	285.107
	Spiked Amount	50.000	Range 30 - 150		Recovery =	561.92%#	570.21%#
	Target Compounds						
5)	MB Aldrin	8.29	10.80f	12171295	12702918	152.872	152.695
6)	B beta-BHC	6.63	8.96f	6122591	6834844	157.215	141.852
7)	B delta-BHC	7.05	9.80f	12727838	14659603	146.426	145.602
8)	B Hept epoxide	9.96	12.48f	11276028	11473720	152.280	141.917
10)	B gamma-Chlordane	10.30	13.02f	12112709	12233188	156.053	145.277
11)	B alpha-Chlordane	10.67f	13.45f	12361270	12429987	153.031	142.536
12)	B 4,4'-DDE	11.07	14.07f	21487813	22043456	300.547	300.471
15)	B Endosulfan II	12.86f	15.79f	19108395	18525975	291.457	269.289
18)	B Endrin aldehyde	14.04f	16.76f	16184615	14882154	278.308	264.875
19)	B Endo sulfate	15.23f	17.53f	17964415	16923518	287.100	271.649
21)	B Endrin ketone	15.92f	18.96f	19585240	18462370	299.539	284.293
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

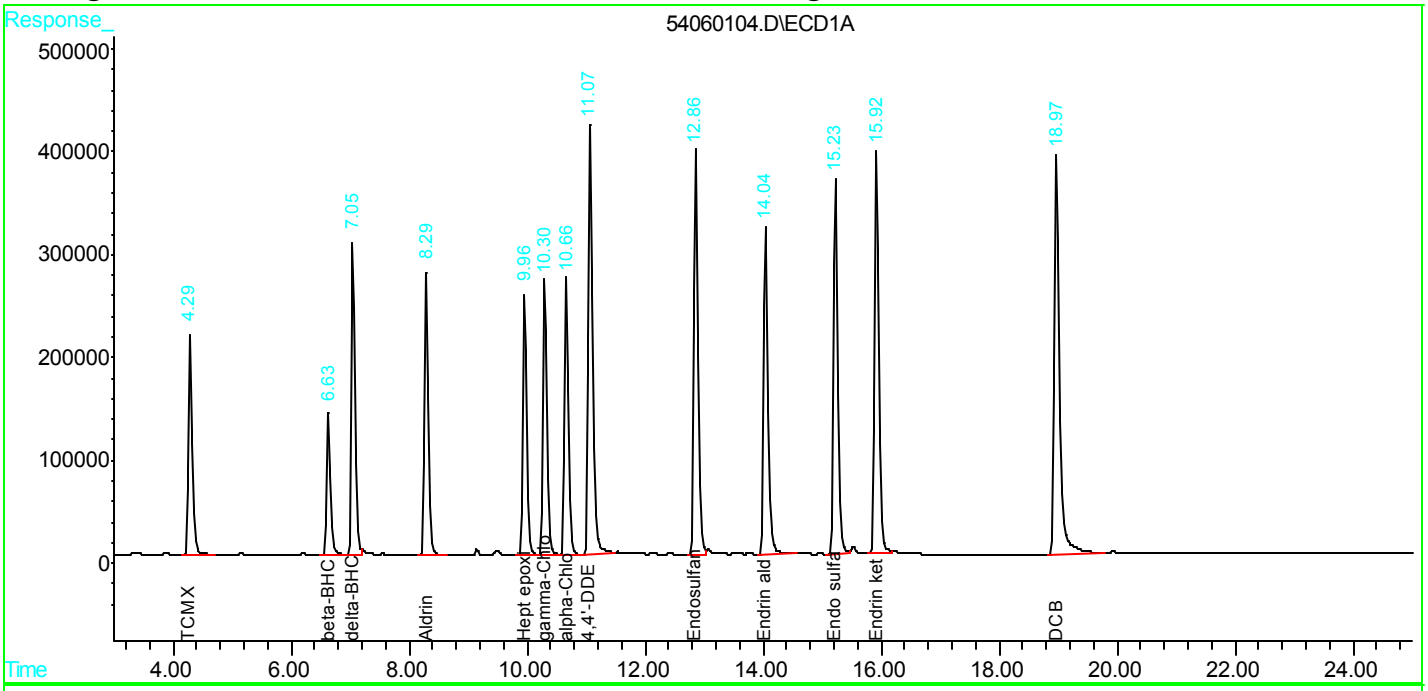
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060104.D 56084601.M Wed Jun 02 13:20:01 2004 Page 1

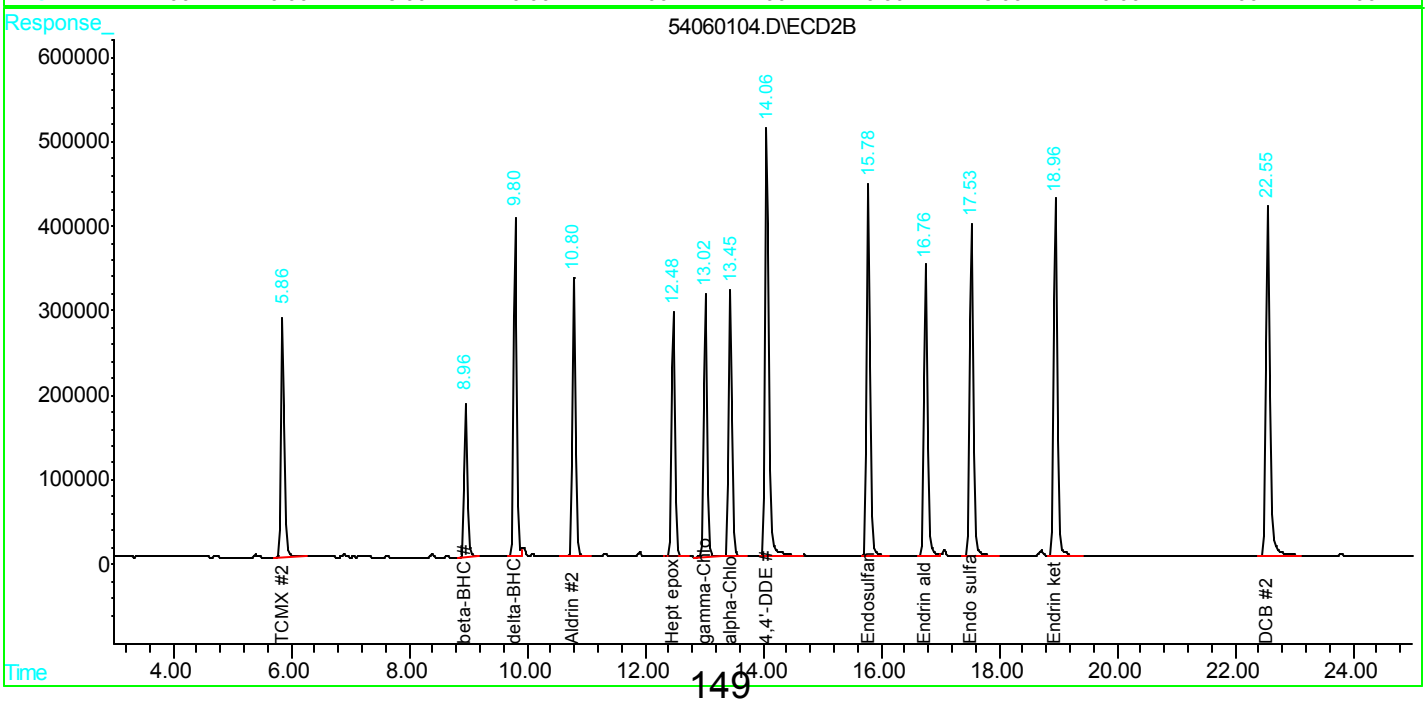
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060104.D\ECD1A.CH Vial: 4
Signal #2 : E:\HPCHEM\1\DATA\540601\54060104.D\ECD2B.CH
Acq On : 1 Jun 2004 1:20 pm Operator: WDP
Sample : INDB-07 4021 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:19 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD1A.CH Vial: 6
Signal #2 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD2B.CH
Acq On : 1 Jun 2004 2:20 pm Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : SAMP 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	100.000	96.970	3.0	97	-0.02
3	MA	gamma-BHC	100.000	99.178	0.8	100	-0.02
4	MA	Heptachlor	100.000	93.967	6.0	91	-0.01
5	MB	Aldrin	100.000	101.615	-1.6	100	0.01
6	B	beta-BHC	100.000	106.210	-6.2	98	0.01
7	B	delta-BHC	100.000	87.303	12.7	85	0.01
8	B	Hept epoxide	100.000	100.482	-0.5	97	0.02
9	A	Endosulfan I	100.000	92.292	7.7	89	0.00
10	B	gamma-Chlordane	100.000	104.759	-4.8	98	0.02
11	B	alpha-Chlordane	100.000	101.322	-1.3	96	0.02
12	B	4,4'-DDE	200.000	112.215	43.9#	54	0.01
13	MA	Dieldrin	200.000	110.690	44.7#	52	0.00
14	MA	Endrin	200.000	108.604	45.7#	50	0.00
15	B	Endosulfan II	200.000	115.219	42.4#	57	0.02
16	A	4,4'-DDD	200.000	83.819	58.1#	39	0.00
17	MA	4,4'-DDT	200.000	104.986	47.5#	49	0.00
18	B	Endrin aldehyde	200.000	98.476	50.8#	51	0.02
19	B	Endo sulfate	200.000	103.585	48.2#	52	0.02
20	A	Methoxychlor	1000.000	112.735	88.7#	11	0.00
21	B	Endrin ketone	200.000	111.437	44.3#	54	0.02
25	L10	Toxaphene {4}	3000.000	824.063	72.5#	23	0.08
26	L10	Toxaphene {5}	3000.000	2786.549	7.1	92	0.08
29	L11	Chlordane {3}	750.000	788.355	-5.1	107	0.00
30	L11	Chlordane {4}	750.000	530.039	29.3#	72	0.01
31	L11	Chlordane {5}	750.000	1522.487	-103.0#	210	0.06

Signal #2

2	A	alpha-BHC	100.000	97.558	2.4	97	0.00
3	MA	gamma-BHC	100.000	99.281	0.7	100	0.00
4	MA	Heptachlor	100.000	97.802	2.2	96	0.00
5	MB	Aldrin	100.000	105.255	-5.3	99	0.02
6	B	beta-BHC	100.000	99.987	0.0	99	0.02
7	B	delta-BHC	100.000	85.381	14.6	82	0.02
8	B	Hept epoxide	100.000	96.222	3.8	98	0.02
9	A	Endosulfan I	100.000	101.986	-2.0	102	0.01
10	B	gamma-Chlordane	100.000	99.993	0.0	98	0.02
11	B	alpha-Chlordane	100.000	94.395	5.6	94	0.02
12	B	4,4'-DDE	200.000	100.727	49.6#	49	0.02

(#) = Out of Range

Signal #1 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD1A.CH Vial: 6
Signal #2 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD2B.CH
Acq On : 1 Jun 2004 2:20 pm Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : SAMP 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
13	MA	Dieldrin	200.000	108.330	45.8#	54	0.01
14	MA	Endrin	200.000	107.298	46.4#	52	0.01
15	B	Endosulfan II	200.000	119.563	40.2#	63	0.02
16	A	4,4'-DDD	200.000	80.038	60.0#	37	0.02
17	MA	4,4'-DDT	200.000	105.332	47.3#	50	0.01
18	B	Endrin aldehyde	200.000	99.270	50.4#	54	0.02
19	B	Endo sulfate	200.000	98.939	50.5#	52	0.02
20	A	Methoxychlor	1000.000	128.290	87.2#	13	0.02
21	B	Endrin ketone	200.000	112.428	43.8#	58	0.02
23	L10	Toxaphene {2}	3000.000	2080.170	30.7#	67	-0.01
28	L11	Chlordane {2}	750.000	-17.040	102.3#	3	0.03
29	L11	Chlordane {3}	750.000	848.971	-13.2	111	0.02
31	L11	Chlordane {5}	750.000	880.453	-17.4#	117	0.02

Signal #1 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD1A.CH Vial: 6
Signal #2 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD2B.CH
Acq On : 1 Jun 2004 2:20 pm Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : SAMP 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	100.000	0.000	100.0#	0	-4.30#
22	L10 Toxaphene {1}	3000.000	0.000	100.0#	0	-12.34#
23	L10 Toxaphene {2}	3000.000	0.000	100.0#	0	-13.16#
24	L10 Toxaphene {3}	3000.000	0.000	100.0#	0	-14.32#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-7.32#
28	L11 Chlordane {2}	750.000	0.000	100.0#	0	-8.73#
32	SA DCB	200.000	0.000	100.0#	0	-18.96#

Signal #2

1	SA TCMX	100.000	0.000	100.0#	0	-5.85#
22	L10 Toxaphene {1}	3000.000	0.000	100.0#	0	-16.02#
24	L10 Toxaphene {3}	3000.000	0.000	100.0#	0	-16.97#
25	L10 Toxaphene {4}	3000.000	0.000	100.0#	0	-18.15#
26	L10 Toxaphene {5}	3000.000	0.000	100.0#	0	-18.42#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-9.46#
30	L11 Chlordane {4}	750.000	0.000	100.0#	0	-13.28#
32	SA DCB	200.000	0.000	100.0#	0	-22.54#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD1A.CH Vial: 6
Signal #2 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD2B.CH
Acq On : 1 Jun 2004 2:20 pm Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : SAMP 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:16 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
		Target Compounds						
2)	A	alpha-BHC	5.56f	7.61	8838972	10582531	96.970	97.558
3)	MA	gamma-BHC	6.34f	8.65	8237480	9721561	99.178	99.281
4)	MA	Heptachlor	7.54	9.90	8530493	9650422	93.967	97.802
5)	MB	Aldrin	8.29	10.80f	8181918	8756303	101.615	105.255
6)	B	beta-BHC	6.63	8.96f	4136250	4817650	106.210	99.987
7)	B	delta-BHC	7.05	9.80f	7453882	8562678	87.303	85.381
8)	B	Hept epoxide	9.96f	12.48f	7440437	7779360	100.482	96.222
9)	A	Endosulfan I	10.98	13.56	6511017	7831952	92.292	101.986
10)	B	gamma-Chlordane	10.30f	13.03f	8131305	8419983	104.759	99.993
11)	B	alpha-Chlordane	10.67f	13.45f	8184445	8231793	101.322	94.395
12)	B	4,4'-DDE	11.07	14.07f	7980122	7389644	112.215	100.727
13)	MA	Dieldrin	11.64	14.34	7525575	7825222	110.690	108.330
14)	MA	Endrin	12.24	15.17	6613121	6820497	108.604	107.298
15)	B	Endosulfan II	12.86f	15.79f	7401557	8225481	112.895m	119.563
16)	A	4,4'-DDD	12.71	15.70f	4522348	4538934	83.819	80.038
17)	MA	4,4'-DDT	13.45	16.55	5798631	5591645	104.986	105.332
18)	B	Endrin aldehyde	14.04f	16.76f	5726732	5577527	98.476	99.270
19)	B	Endo sulfate	15.23f	17.53f	6481497	6163804	103.585	98.939
20)	A	Methoxychlor	14.97	18.58f	3119010	3043585	112.735	116.359m
21)	B	Endrin ketone	15.93f	18.96f	7286297	7301239	111.437	112.428
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000
		Sum Chlordane			0	0	N.D.	N.D.
		Average Chlordane					0.000	0.000

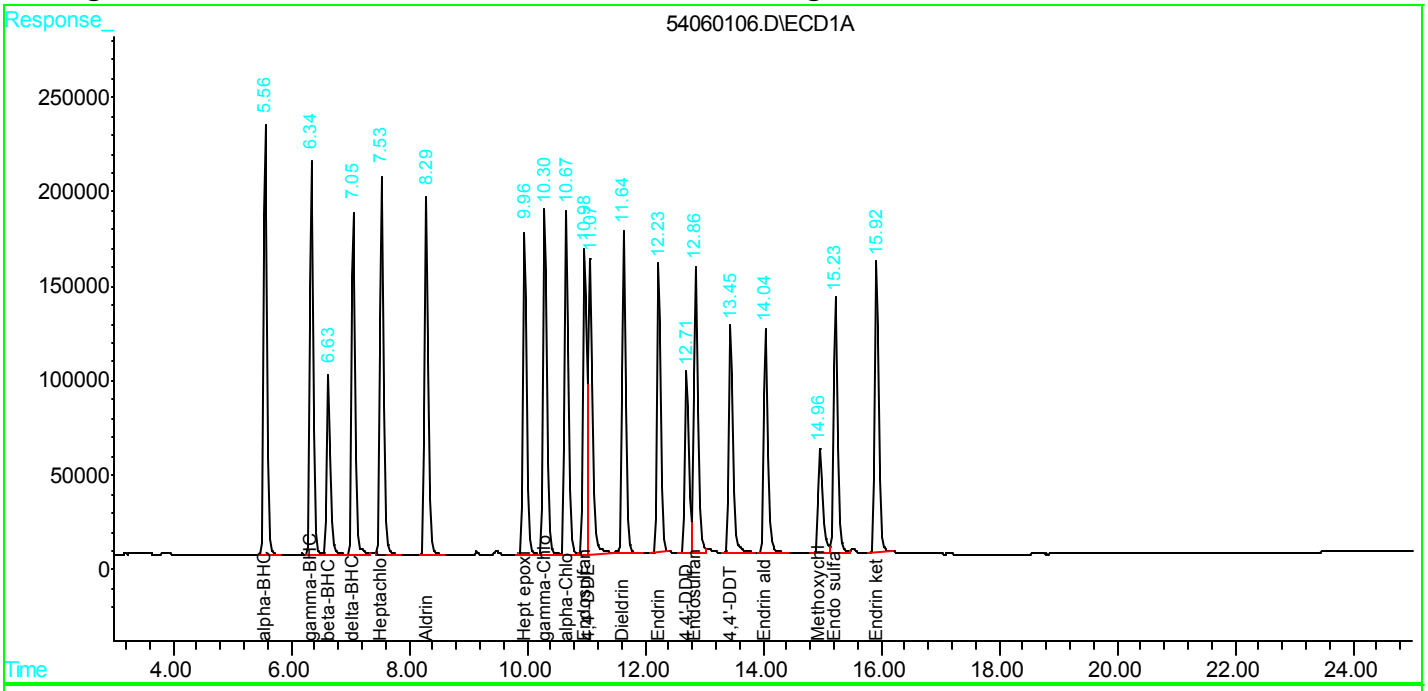
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060106.D 56084601.M Wed Jun 02 13:17:29 2004 Page 1

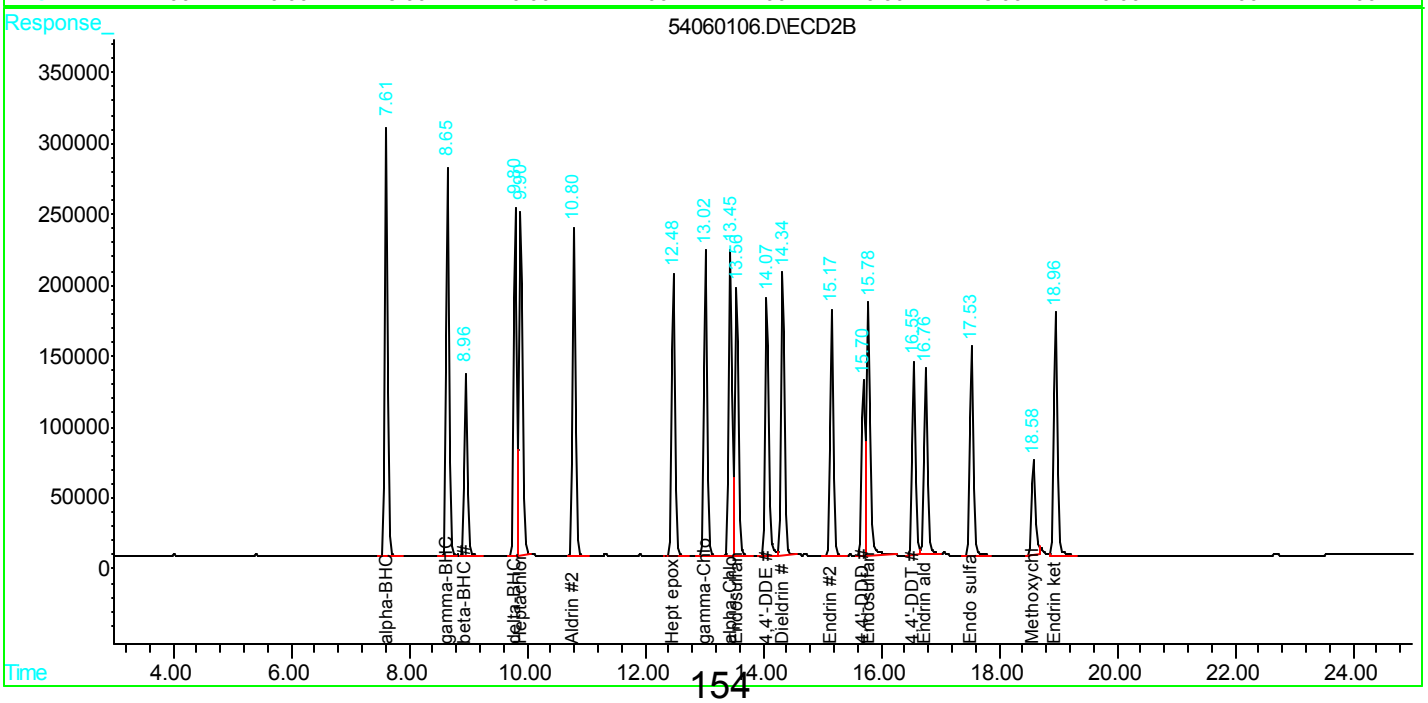
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD1A.CH Vial: 6
Signal #2 : E:\HPCHEM\1\DATA\540601\54060106.D\ECD2B.CH
Acq On : 1 Jun 2004 2:20 pm Operator: WDP
Sample : ICV 4052 Inst : GC-5
Misc : SAMP 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:16 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540601\54060121.D\ECD1A.CH Vial: 21
Signal #2 : E:\HPCHEM\1\DATA\540601\54060121.D\ECD2B.CH
Acq On : 1 Jun 2004 9:41 pm Operator: WDP
Sample : INDA-05 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:21 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.86	4640563	5505125	80.033	77.981
	Spiked Amount 50.000	Range 30 - 150		Recovery =		160.07%#	155.96%#
32)	SA DCB	18.99f	22.56f	14379273	11897801	163.812m	166.066
	Spiked Amount 50.000	Range 30 - 150		Recovery =		327.62%#	332.13%#
	Target Compounds						
2)	A alpha-BHC	5.56	7.61	7225161	8888714	79.858	82.073
3)	MA gamma-BHC	6.35	8.65	6637086	8016120	80.404	81.910
4)	MA Heptachlor	7.54	9.90	7569227	8218547	83.379	82.452
9)	A Endosulfan I	10.98	13.56	5852756	6091201	82.962	79.319
13)	MA Dieldrin	11.65	14.34	11327893	11502653	166.616	159.239
14)	MA Endrin	12.24	15.17	10614955	10664023	174.323	167.764
16)	A 4,4'-DDD	12.71	15.70f	8748565	9440410	160.385	166.470
17)	MA 4,4'-DDT	13.46	16.55	9079484	8471363	161.059	158.210
20)	A Methoxychlor	14.97	18.58f	22414260	20497800	810.155	783.650
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

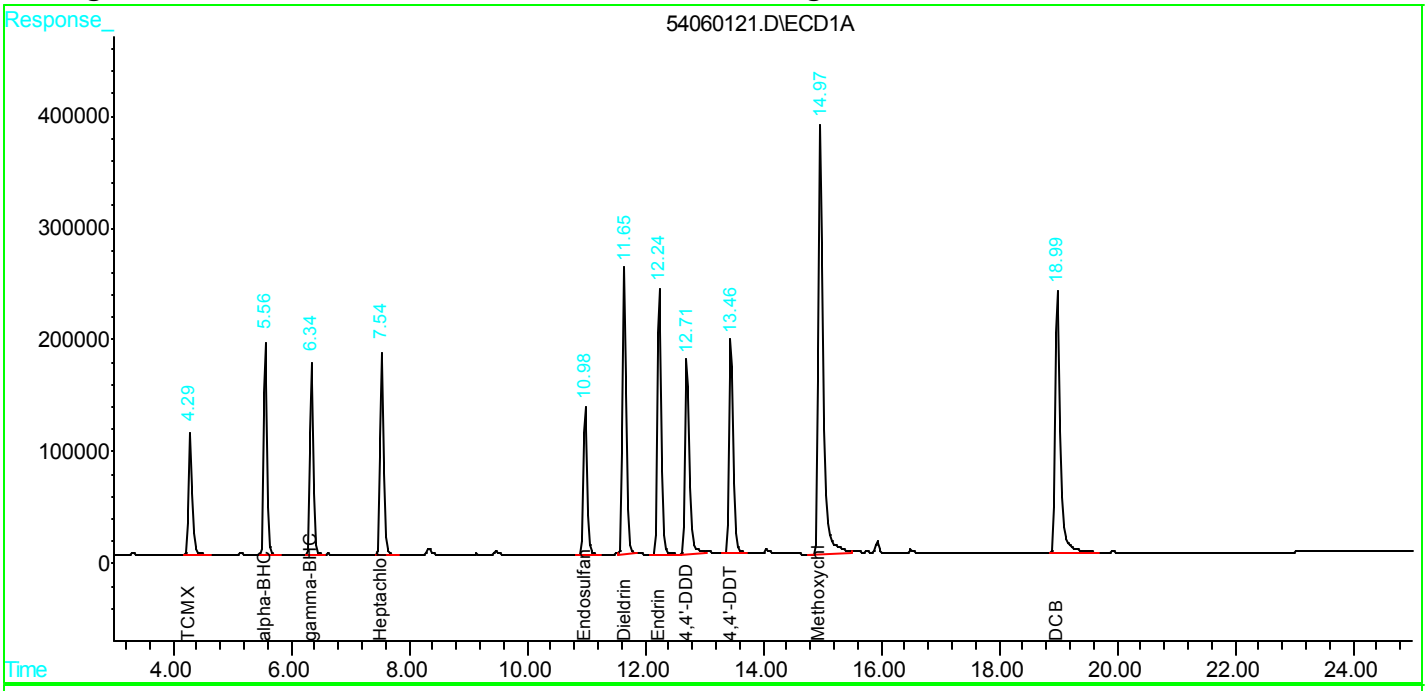
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060121.D 56084601.M Wed Jun 02 13:21:39 2004 Page 1

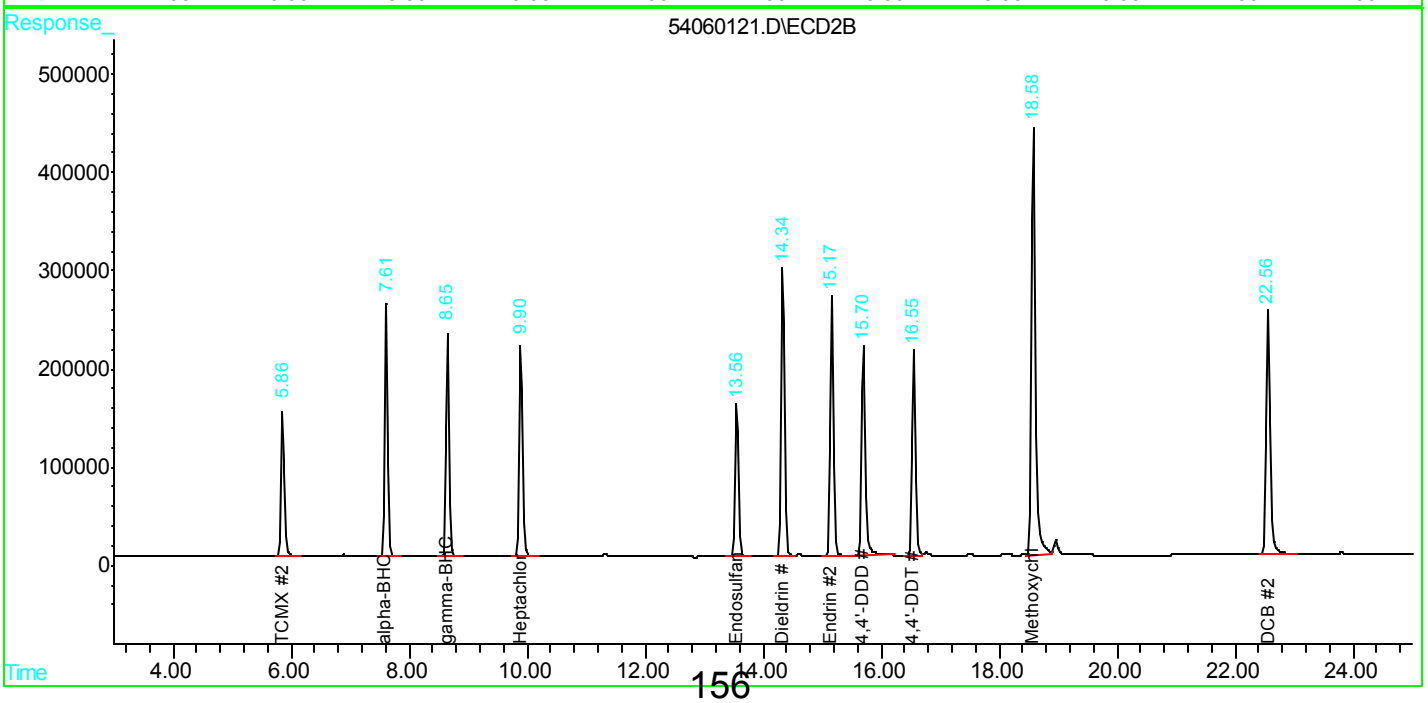
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060121.D\ECD1A.CH Vial: 21
Signal #2 : E:\HPCHEM\1\DATA\540601\54060121.D\ECD2B.CH
Acq On : 1 Jun 2004 9:41 pm Operator: WDP
Sample : INDA-05 4020 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:21 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540601\54060122.D\ECD1A.CH Vial: 22
Signal #2 : E:\HPCHEM\1\DATA\540601\54060122.D\ECD2B.CH
Acq On : 1 Jun 2004 10:10 pm Operator: WDP
Sample : INDB-05 4049 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:22 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
	Target Compounds						
5)	MB Aldrin	8.29f	10.80f	6408754	6806009	78.833	81.811
6)	B beta-BHC	6.63f	8.96f	3147116	3767415	80.811	78.190
7)	B delta-BHC	7.06f	9.80f	5982618	7274136	70.810	72.654
8)	B Hept epoxide	9.97f	12.48f	5850029	6177645	79.003	76.411
10)	B gamma-Chlordane	10.31f	13.03f	6615416	6864015	85.229	81.515
11)	B alpha-Chlordane	10.67f	13.45f	6596635	6843872	81.665	78.479
12)	B 4,4'-DDE	11.08f	14.07f	11254368	11886126	157.866	162.018
15)	B Endosulfan II	12.87f	15.79f	10221020	10330369	155.899	150.160
18)	B Endrin aldehyde	14.05f	16.76f	8188572	7831853	140.809	139.392
19)	B Endo sulfate	15.24f	17.54f	9535378	9326540	152.391m	149.706
21)	B Endrin ketone	15.93f	18.96f	10854420	10608680	166.009m	163.358
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

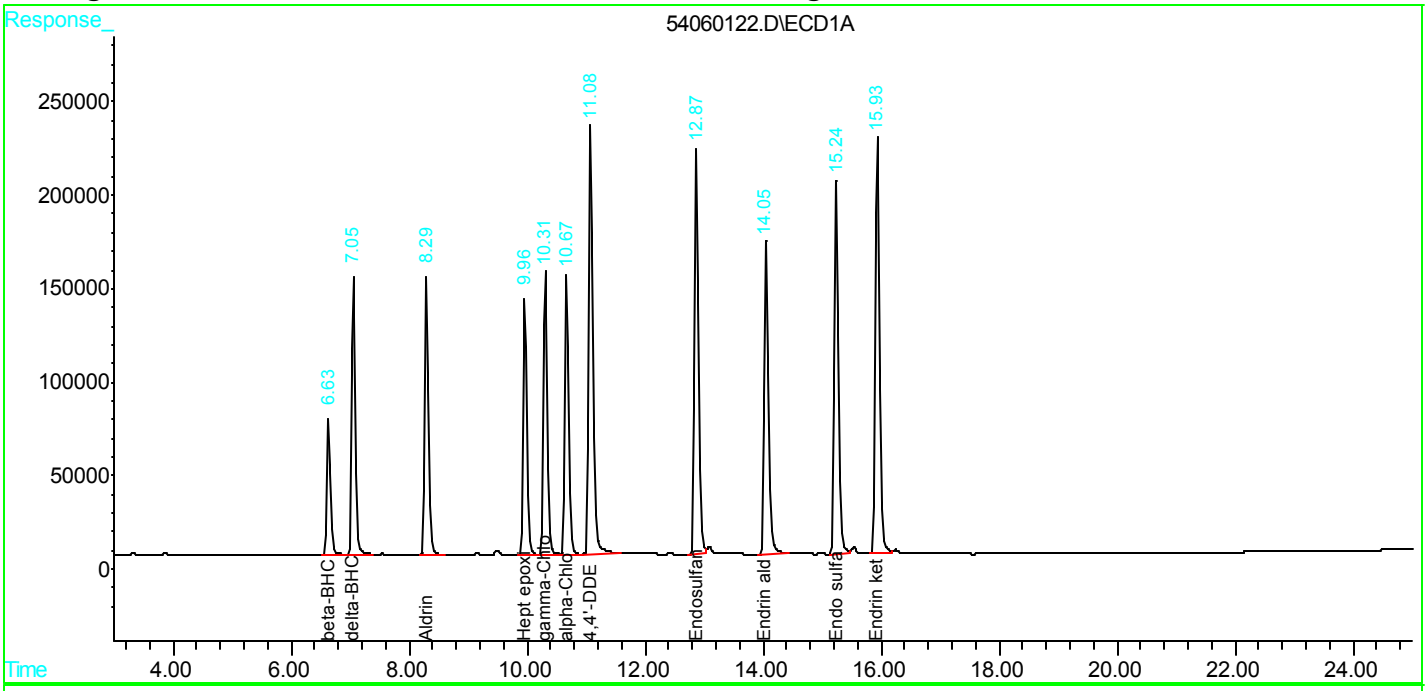
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54060122.D 56084601.M Wed Jun 02 13:22:58 2004 Page 1

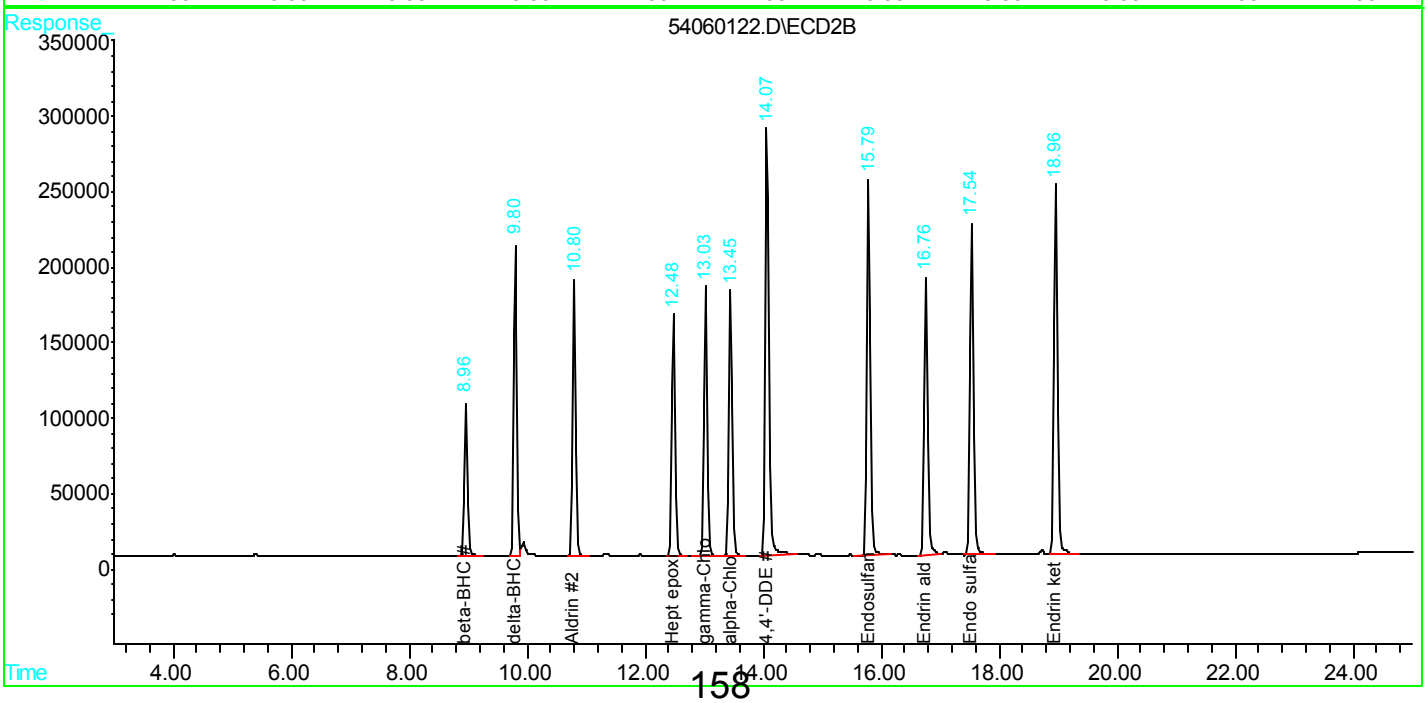
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540601\54060122.D\ECD1A.CH Vial: 22
Signal #2 : E:\HPCHEM\1\DATA\540601\54060122.D\ECD2B.CH
Acq On : 1 Jun 2004 10:10 pm Operator: WDP
Sample : INDB-05 4049 Inst : GC-5
Misc : CCV 8081 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 2 13:22 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 02 12:49:04 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Injection Log

Directory: E:\HPCHEM\1\DATA\540628B

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
34	34	54062884.D	1.	INDA-06		CCV 8081_TCL_S	29 Jun 2004 06:36
35	35	54062885.D	1.	INDB-06		CCV 8081_TCL_S	29 Jun 2004 07:05
36	36	54062886.D	1.	TOX-06		CCV 8081_TCL_S	29 Jun 2004 07:34
37	37	54062887.D	1.	CHL-05		CCV 8081_TCL_S	29 Jun 2004 08:04
38	38	54062888.D	1.	1660-06		CCV 8082_X	29 Jun 2004 08:33
39	39	54062889.D	1.	MB-47169		MBLK 8082_X	29 Jun 2004 09:03
40	40	54062890.D	1.	LCS-47169		LCS 8082_X	29 Jun 2004 09:33
41	41	54062891.D	1.	0406D44-001A	47169	SAMP 8082_X	29 Jun 2004 10:03
42	42	54062892.D	1.	0406D44-001AMS	47169	MS 8082_X	29 Jun 2004 10:32
43	43	54062893.D	1.	0406D44-001AMSD	47169	MSD 8082_X	29 Jun 2004 11:02
44	44	54062894.D	1.	MB-47142		MBLK 8082_S	29 Jun 2004 11:31
45	45	54062895.D	1.	LCS-47142		LCS 8082_S	29 Jun 2004 12:01
46	46	54062896.D	1.	0406D29-001B	47142	SAMP 8082_S	29 Jun 2004 12:31
47	47	54062897.D	1.	0406D29-001BMS	47142	MS 8082_S	29 Jun 2004 13:00
48	48	54062898.D	1.	0406D29-001BMSD	47142	MSD 8082_S	29 Jun 2004 13:30
49	49	54062899.D	1.	0406D29-002B	47142	SAMP 8082_S	29 Jun 2004 14:00
50	50	54062900.D	1.	HEX		CCB 8082_S	29 Jun 2004 14:29
51	51	54062901.D	1.	1660-05		CCV 8082_S	29 Jun 2004 14:59
52	52	54062902.D	1.	PEM	ECD4083	CCV 8081_TCL_S	29 Jun 2004 15:29
53	53	54062903.D	1.	INDA-06		CCV 8081_TCL_S	29 Jun 2004 15:59
54	54	54062904.D	1.	INDB-06		CCV 8081_TCL_S	29 Jun 2004 16:29
55	55	54062905.D	1.	TOXA-06		CCV 8081_TCL_S	29 Jun 2004 16:58
56	56	54062906.D	1.	CHLO-05		CCV 8081_TCL_S	29 Jun 2004 17:28
57	57	54062907.D	1.	MB-47153		MBLK 1311_P	29 Jun 2004 17:58
58	58	54062908.D	1.	LCS-47153-1		LCS 1311_P	29 Jun 2004 18:28
59	59	54062909.D	1.	LCS-47153-2		LCS 1311_P	29 Jun 2004 18:57
60	60	54062910.D	1.	0406C54-001A	47153	SAMP 1311_P	29 Jun 2004 19:27
61	61	54062911.D	1.	0406C54-001A	10X 47153	SAMP 1311_P	29 Jun 2004 19:56
62	62	54062912.D	1.	0406C54-001AMS-1	47153	MS 1311_P	29 Jun 2004 20:25
63	63	54062913.D	1.	0406C54-001AMS-2	47153	MS 1311_P	29 Jun 2004 20:54
64	64	54062914.D	1.	0406C83-001B	47153	SAMP 1311_P	29 Jun 2004 21:23
65	65	54062915.D	1.	MB-47170		MBLK 8081_TCL_X	29 Jun 2004 21:52
66	66	54062916.D	1.	LCS-47170		LCS 8081_TCL_X	29 Jun 2004 22:21
67	67	54062917.D	1.	0406D44-001A	47170	SAMP 8081_TCL_X	29 Jun 2004 22:51
68	68	54062918.D	1.	0406D44-001AMS	47170	MS 8081_TCL_X	29 Jun 2004 23:20
69	69	54062919.D	1.	0406D44-001AMSD	47170	MSD 8081_TCL_X	29 Jun 2004 23:49
70	70	54062920.D	1.	INDA-05		CCV 8081_TCL_S	30 Jun 2004 00:18
71	71	54062921.D	1.	INDB-05		CCV 8081_TCL_S	30 Jun 2004 00:47
72	72	54062922.D	1.	TOXA-05		CCV 8081_TCL_S	30 Jun 2004 01:16

Injection Log

Directory: E:\HPCHEM\1\DATA\540628B

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
73	73	54062923.D	1.	CHLO-04		CCV 8081_TCL_S	30 Jun 2004 01:45
74	74	54062924.D	1.	PEM		CCV 8081_TCL_S	30 Jun 2004 02:14
75	75	54062925.D	1.	MB-47143		MBLK 8081_TCL_S	30 Jun 2004 02:44
76	76	54062926.D	1.	LCS-47143		LCS 8081_TCL_S	30 Jun 2004 03:13
77	77	54062927.D	1.	0406D29-001B	47143	SAMP 8081_TCL_S	30 Jun 2004 03:42
78	78	54062928.D	1.	0406D29-001BMS	47143	MS 8081_TCL_S	30 Jun 2004 04:11
79	79	54062929.D	1.	0406D29-001BMSD	47143	MSD 8081_TCL_S	30 Jun 2004 04:40
80	80	54062930.D	1.	0406D29-002B	47143	SAMP 8081_TCL_S	30 Jun 2004 05:09
81	81	54062931.D	1.	INDA-06		CCV 8081_TCL_S	30 Jun 2004 05:38
82	82	54062932.D	1.	INDB-06		CCV 8081_TCL_S	30 Jun 2004 06:07
83	83	54062933.D	1.	TOXA-06		CCV 8081_TCL_S	30 Jun 2004 06:37
84	84	54062934.D	1.	CHLO-05		CCV 8081_TCL_S	30 Jun 2004 07:06

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062902.D\ECD1A.CH Vial: 52
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062902.D\ECD2B.CH
Acq On : 29 Jun 2004 3:29 pm Operator: JMZ
Sample : PEM ECD4083 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 15:56 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

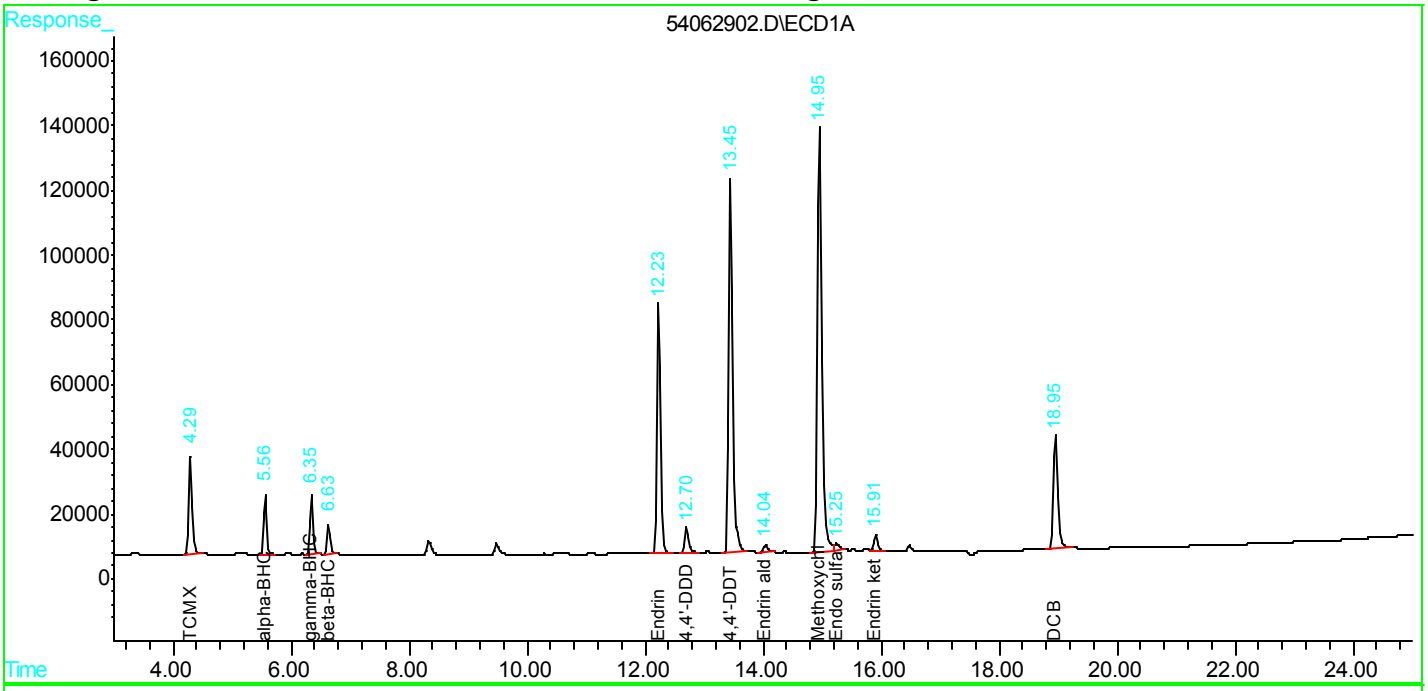
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29f	5.83	1189499	1597418	20.515	22.628
	Spiked Amount 50.000	Range 30 - 150		Recovery =		41.03%	45.26%
32)	SA DCB	18.96	22.48	1849387	1590107	11.075	10.426
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.15%#	20.85%#
	Target Compounds						
2)	A alpha-BHC	5.56	7.58	600087	908512	9.608	9.115
3)	MA gamma-BHC	6.35	8.61	595742	887984	9.532	9.305
6)	B beta-BHC	6.64f	8.93	338425	499614	8.690	10.369
14)	MA Endrin	12.23	15.11	3196455	3232655	52.494	50.855
16)	A 4,4'-DDD	12.70	15.64	344980	467764	8.138	8.248
17)	MA 4,4'-DDT	13.45	16.50	5385367	5088629	97.923	96.096
18)	B Endrin aldehyde	14.04	16.70	109057	96296	1.875	1.714
19)	B Endo sulfate	15.25f	0.00	110499	0	1.766	N.D. #
20)	A Methoxychlor	14.95	18.52	6890020	6593458	249.037	252.074
21)	B Endrin ketone	15.91	18.89	200302	304212	3.063	4.684 #
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

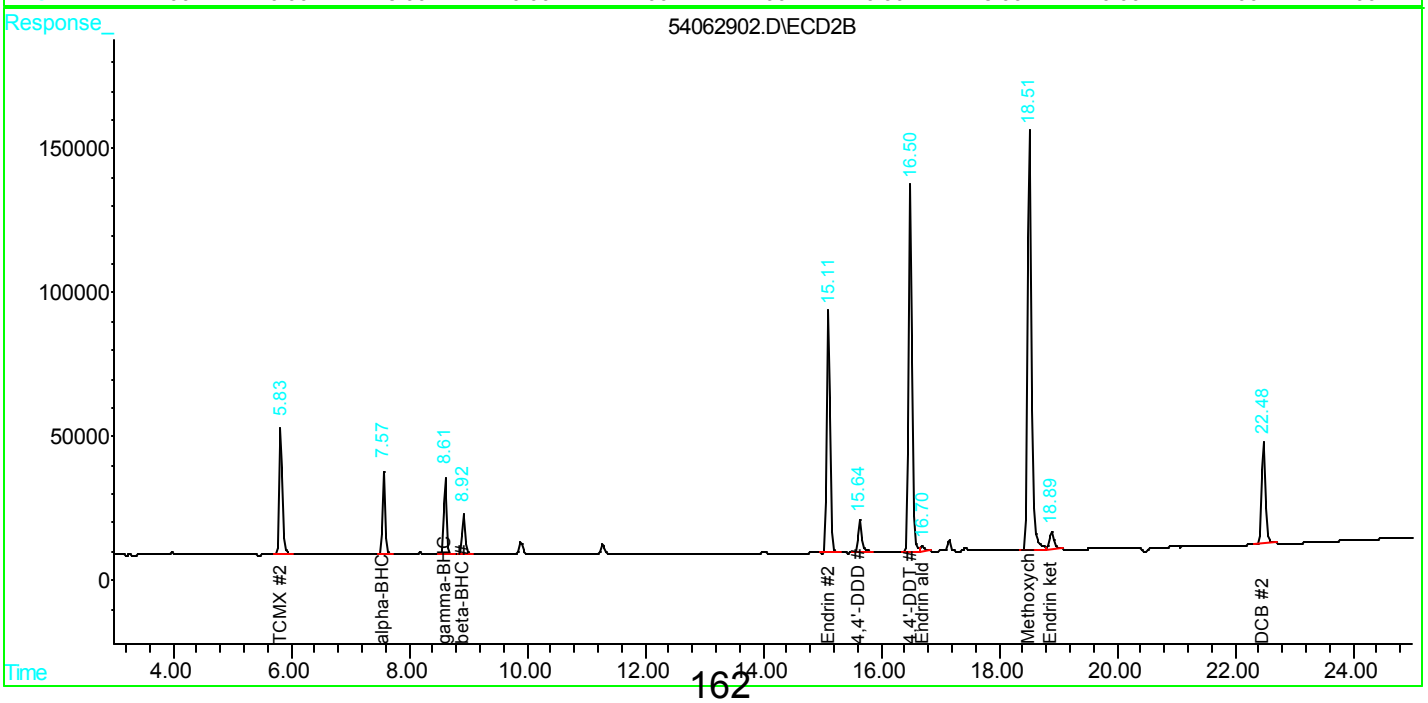
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062902.D\ECD1A.CH Vial: 52
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062902.D\ECD2B.CH
Acq On : 29 Jun 2004 3:29 pm Operator: JMZ
Sample : PEM ECD4083 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 15:56 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD1A.CH Vial: 53
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD2B.CH
Acq On : 29 Jun 2004 3:59 pm Operator: JMZ
Sample : INDA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA	TCMX	100.000	101.136	-1.1	100	-0.01
2	A	alpha-BHC	100.000	102.494	-2.5	103	0.00
3	MA	gamma-BHC	100.000	103.262	-3.3	105	0.00
4	MA	Heptachlor	100.000	103.663	-3.7	100	0.00
9	A	Endosulfan I	100.000	104.746	-4.7	102	0.00
13	MA	Dieldrin	200.000	212.942	-6.5	100	0.00
14	MA	Endrin	200.000	216.625	-8.3	100	0.00
16	A	4,4'-DDD	200.000	207.917	-4.0	98	0.00
17	MA	4,4'-DDT	200.000	206.474	-3.2	100	0.00
20	A	Methoxychlor	1000.000	991.245	0.9	97	0.00
32	SA	DCB	200.000	194.672	2.7	93	-0.01

Signal #2

1	SA	TCMX	100.000	100.922	-0.9	104	0.00
2	A	alpha-BHC	100.000	107.269	-7.3	106	0.00
3	MA	gamma-BHC	100.000	107.339	-7.3	108	0.00
4	MA	Heptachlor	100.000	106.317	-6.3	104	0.00
9	A	Endosulfan I	100.000	99.448	0.6	100	0.00
13	MA	Dieldrin	200.000	198.488	0.8	98	0.00
14	MA	Endrin	200.000	198.082	1.0	96	0.00
16	A	4,4'-DDD	200.000	209.930	-5.0	97	0.00
17	MA	4,4'-DDT	200.000	205.931	-3.0	99	0.00
20	A	Methoxychlor	1000.000	947.764	5.2	96	0.00
32	SA	DCB	200.000	191.461	4.3	91	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD1A.CH Vial: 53
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD2B.CH
Acq On : 29 Jun 2004 3:59 pm Operator: JMZ
Sample : INDA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
5	MB Aldrin	100.000	-3.509	103.5#	0	-8.31#
6	B beta-BHC	100.000	0.000	100.0#	0	-6.66#
7	B delta-BHC	100.000	0.000	100.0#	0	-7.08#
8	B Hept epoxide	100.000	0.000	100.0#	0	-9.98#
10	B gamma-Chlordane	100.000	0.000	100.0#	0	-10.32#
11	B alpha-Chlordane	100.000	0.000	100.0#	0	-10.68#
12	B 4,4'-DDE	200.000	0.000	100.0#	0	-11.09#
15	B Endosulfan II	200.000	0.000	100.0#	0	-12.87#
18	B Endrin aldehyde	200.000	0.000	100.0#	0	-14.05#
19	B Endo sulfate	200.000	0.000	100.0#	0	-15.23#
21	B Endrin ketone	200.000	0.000	100.0#	0	-15.93#
22	L10 Toxaphene {1}	3000.000	235.198	92.2#	0	-12.35#
23	L10 Toxaphene {2}	3000.000	193.908	93.5#	0	-13.17#
24	L10 Toxaphene {3}	3000.000	172.281	94.3#	0	-14.34#
25	L10 Toxaphene {4}	3000.000	158.808	94.7#	0	-14.90#
26	L10 Toxaphene {5}	3000.000	204.682	93.2#	0	-15.86#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-7.38#
28	L11 Chlordane {2}	750.000	0.000	100.0#	0	-8.80#
29	L11 Chlordane {3}	750.000	11.282	98.5#	0	-10.36#
30	L11 Chlordane {4}	750.000	7.878	98.9#	0	-10.73#
31	L11 Chlordane {5}	750.000	23.681	96.8#	0	-12.73#

Signal #2

5	MB Aldrin	100.000	0.000	100.0#	0	-10.76#
6	B beta-BHC	100.000	0.000	100.0#	0	-8.93#
7	B delta-BHC	100.000	0.000	100.0#	0	-9.77#
8	B Hept epoxide	100.000	0.000	100.0#	0	-12.44#
10	B gamma-Chlordane	100.000	0.000	100.0#	0	-12.98#
11	B alpha-Chlordane	100.000	0.000	100.0#	0	-13.40#
12	B 4,4'-DDE	200.000	0.000	100.0#	0	-14.02#
15	B Endosulfan II	200.000	0.000	100.0#	0	-15.74#
18	B Endrin aldehyde	200.000	0.000	100.0#	0	-16.70#
19	B Endo sulfate	200.000	0.000	100.0#	0	-17.48#
21	B Endrin ketone	200.000	0.000	100.0#	0	-18.90#
22	L10 Toxaphene {1}	3000.000	101.830	96.6#	0	-15.98#
23	L10 Toxaphene {2}	3000.000	160.381	94.7#	0	-16.73#
24	L10 Toxaphene {3}	3000.000	158.009	94.7#	0	-16.94#
25	L10 Toxaphene {4}	3000.000	123.839	95.9#	0	-18.11#

(#) = Out of Range

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD1A.CH Vial: 53
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD2B.CH
Acq On : 29 Jun 2004 3:59 pm Operator: JMZ
Sample : INDA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
26	L10 Toxaphene {5}	3000.000	186.121	93.8#	0	-18.38#
27	L11 Chlordane {1}	750.000	0.000	100.0#	0	-9.45#
28	L11 Chlordane {2}	750.000	-39.444	105.3#	0	-11.29#
29	L11 Chlordane {3}	750.000	0.000	100.0#	0	-12.99#
30	L11 Chlordane {4}	750.000	0.000	100.0#	0	-13.27#
31	L11 Chlordane {5}	750.000	0.000	100.0#	0	-13.41#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD1A.CH Vial: 53
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD2B.CH
Acq On : 29 Jun 2004 3:59 pm Operator: JMZ
Sample : INDA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 16:26 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

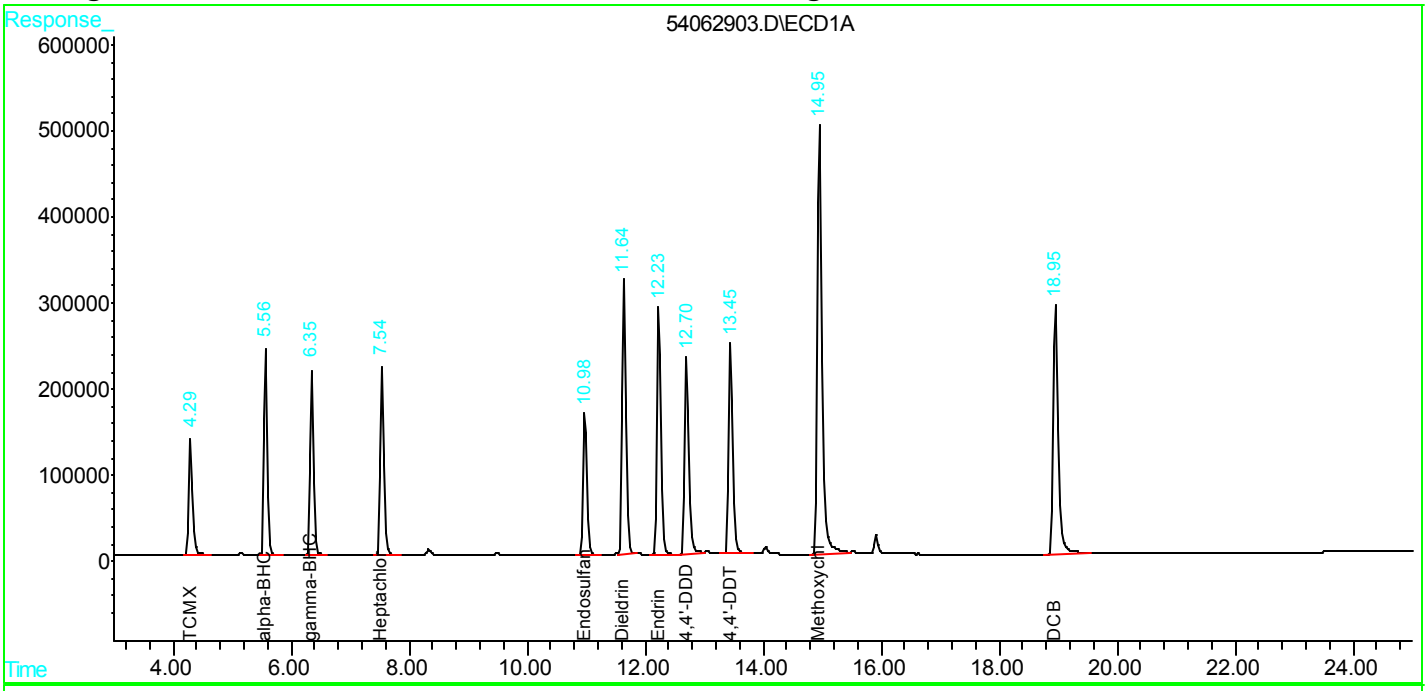
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.83	5864208	7124708	101.136	100.922
	Spiked Amount 50.000	Range 30 - 150		Recovery =		202.27%#	201.84%#
32)	SA DCB	18.95	22.48	16910874	13579647	194.672	191.461
	Spiked Amount 50.000	Range 30 - 150		Recovery =		389.34%#	382.92%#
	Target Compounds						
2)	A alpha-BHC	5.56	7.58	9359974	11644633	102.494	107.269
3)	MA gamma-BHC	6.35	8.61	8585576	10512719	103.262	107.339
4)	MA Heptachlor	7.54	9.85	9410650	10444646	103.663	106.317
9)	A Endosulfan I	10.98	13.50	7389595	7637020	104.746	99.448
13)	MA Dieldrin	11.64	14.28	14477497	14337803	212.942	198.488
14)	MA Endrin	12.23	15.11	13190814	12591262	216.625	198.082
16)	A 4,4'-DDD	12.70	15.64	11372202	11904993	207.917	209.930
17)	MA 4,4'-DDT	13.45	16.50	11736727	11070297	206.474	205.931
20)	A Methoxychlor	14.95	18.51	27424406	24790503	991.245	947.764
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

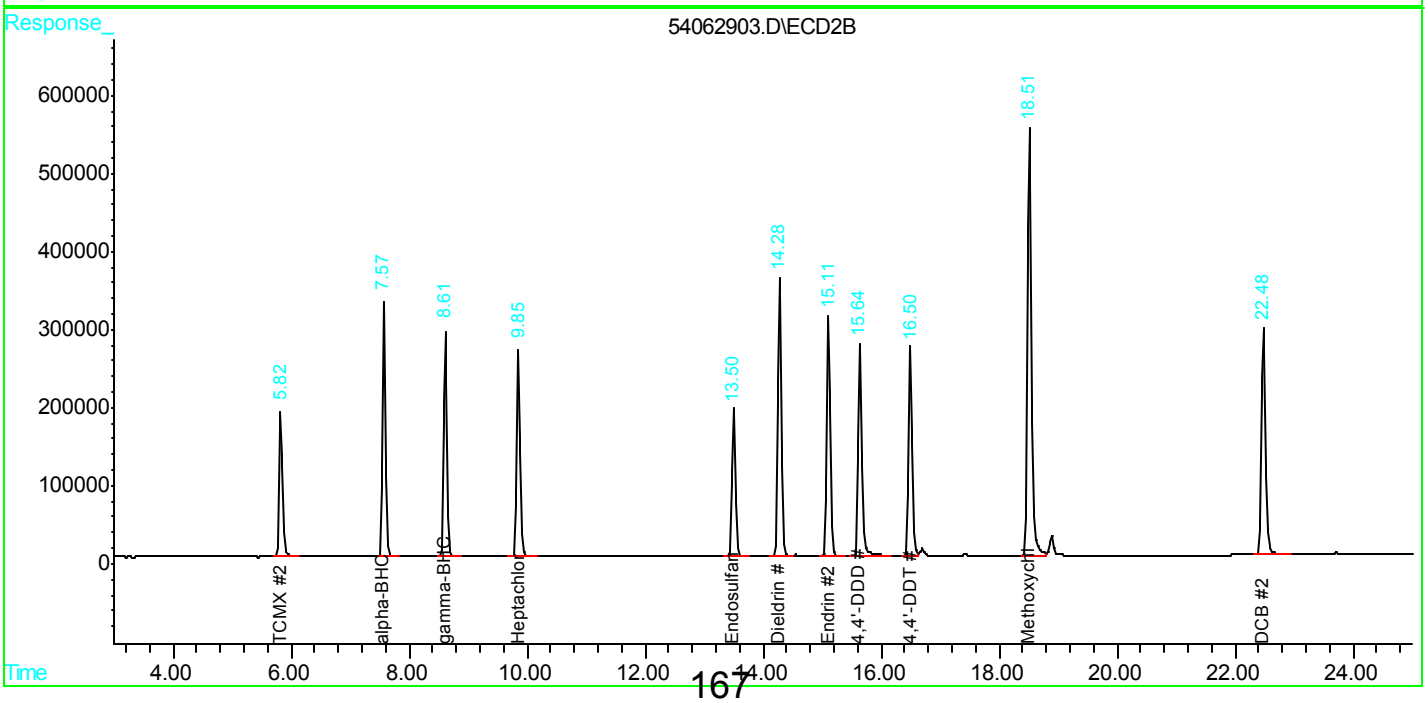
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD1A.CH Vial: 53
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062903.D\ECD2B.CH
Acq On : 29 Jun 2004 3:59 pm Operator: JMZ
Sample : INDA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 16:26 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD1A.CH Vial: 54
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD2B.CH
Acq On : 29 Jun 2004 4:29 pm Operator: JMZ
Sample : INDB-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA	TCMX	100.000	109.843	-9.8	108	-0.02
5	MB	Aldrin	100.000	98.671	1.3	97	-0.02
6	B	beta-BHC	100.000	105.763	-5.8	97	-0.02
7	B	delta-BHC	100.000	100.064	-0.1	98	-0.02
8	B	Hept epoxide	100.000	101.016	-1.0	97	-0.02
10	B	gamma-Chlordane	100.000	105.256	-5.3	98	-0.02
11	B	alpha-Chlordane	100.000	104.175	-4.2	99	-0.02
12	B	4,4'-DDE	200.000	208.048	-4.0	101	-0.02
15	B	Endosulfan II	200.000	199.428	0.3	99	-0.01
18	B	Endrin aldehyde	200.000	179.342	10.3	92	-0.01
19	B	Endo sulfate	200.000	193.041	3.5	97	-0.01
21	B	Endrin ketone	200.000	202.209	-1.1	98	-0.01
32	SA	DCB	200.000	183.560	8.2	88	-0.01

Signal #2

1	SA	TCMX	100.000	109.421	-9.4	113	0.00
5	MB	Aldrin	100.000	106.189	-6.2	100	0.00
6	B	beta-BHC	100.000	101.299	-1.3	100	0.00
7	B	delta-BHC	100.000	104.363	-4.4	101	0.00
8	B	Hept epoxide	100.000	98.737	1.3	101	0.00
10	B	gamma-Chlordane	100.000	100.334	-0.3	99	0.00
11	B	alpha-Chlordane	100.000	98.564	1.4	98	0.00
12	B	4,4'-DDE	200.000	201.541	-0.8	98	0.00
15	B	Endosulfan II	200.000	187.166	6.4	98	0.00
18	B	Endrin aldehyde	200.000	169.197	15.4#	92	0.00
19	B	Endo sulfate	200.000	187.918	6.0	98	0.00
21	B	Endrin ketone	200.000	193.015	3.5	99	0.00
32	SA	DCB	200.000	180.096	10.0	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062904.D 56084601.M Tue Jun 29 16:58:09 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD1A.CH Vial: 54
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD2B.CH
Acq On : 29 Jun 2004 4:29 pm Operator: JMZ
Sample : INDB-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	100.000	0.000	100.0#	0	-5.57#
3	MA	gamma-BHC	100.000	0.000	100.0#	0	-6.35#
4	MA	Heptachlor	100.000	0.000	100.0#	0	-7.54#
9	A	Endosulfan I	100.000	0.000	100.0#	0	-10.98#
13	MA	Dieldrin	200.000	0.000	100.0#	0	-11.65#
14	MA	Endrin	200.000	0.000	100.0#	0	-12.24#
16	A	4,4'-DDD	200.000	0.000	100.0#	0	-12.70#
17	MA	4,4'-DDT	200.000	0.000	100.0#	0	-13.45#
20	A	Methoxychlor	1000.000	0.000	100.0#	0	-14.96#
22	L10	Toxaphene {1}	3000.000	235.198	92.2#	0	-12.35#
23	L10	Toxaphene {2}	3000.000	193.908	93.5#	0	-13.17#
24	L10	Toxaphene {3}	3000.000	172.281	94.3#	0	-14.34#
25	L10	Toxaphene {4}	3000.000	158.808	94.7#	0	-14.90#
26	L10	Toxaphene {5}	3000.000	204.682	93.2#	0	-15.86#
27	L11	Chlordane {1}	750.000	0.000	100.0#	0	-7.38#
28	L11	Chlordane {2}	750.000	0.000	100.0#	0	-8.80#
29	L11	Chlordane {3}	750.000	11.282	98.5#	0	-10.36#
30	L11	Chlordane {4}	750.000	7.878	98.9#	0	-10.73#
31	L11	Chlordane {5}	750.000	23.681	96.8#	0	-12.73#

Signal #2

2	A	alpha-BHC	100.000	0.000	100.0#	0	-7.58#
3	MA	gamma-BHC	100.000	0.000	100.0#	0	-8.62#
4	MA	Heptachlor	100.000	0.000	100.0#	0	-9.86#
9	A	Endosulfan I	100.000	0.000	100.0#	0	-13.51#
13	MA	Dieldrin	200.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	200.000	0.000	100.0#	0	-15.11#
16	A	4,4'-DDD	200.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	200.000	0.000	100.0#	0	-16.50#
20	A	Methoxychlor	1000.000	0.000	100.0#	0	-18.51#
22	L10	Toxaphene {1}	3000.000	101.830	96.6#	0	-15.98#
23	L10	Toxaphene {2}	3000.000	160.381	94.7#	0	-16.73#
24	L10	Toxaphene {3}	3000.000	158.009	94.7#	0	-16.94#
25	L10	Toxaphene {4}	3000.000	123.839	95.9#	0	-18.11#
26	L10	Toxaphene {5}	3000.000	186.121	93.8#	0	-18.38#
27	L11	Chlordane {1}	750.000	0.000	100.0#	0	-9.45#
28	L11	Chlordane {2}	750.000	-39.444	105.3#	0	-11.29#
29	L11	Chlordane {3}	750.000	0.000	100.0#	0	-12.99#

(#) = Out of Range

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD1A.CH Vial: 54
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD2B.CH
Acq On : 29 Jun 2004 4:29 pm Operator: JMZ
Sample : INDB-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
30	L11 Chlordane {4}	750.000	0.000	100.0#	0	-13.27#
31	L11 Chlordane {5}	750.000	0.000	100.0#	0	-13.41#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD1A.CH Vial: 54
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD2B.CH
Acq On : 29 Jun 2004 4:29 pm Operator: JMZ
Sample : INDB-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 16:57 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

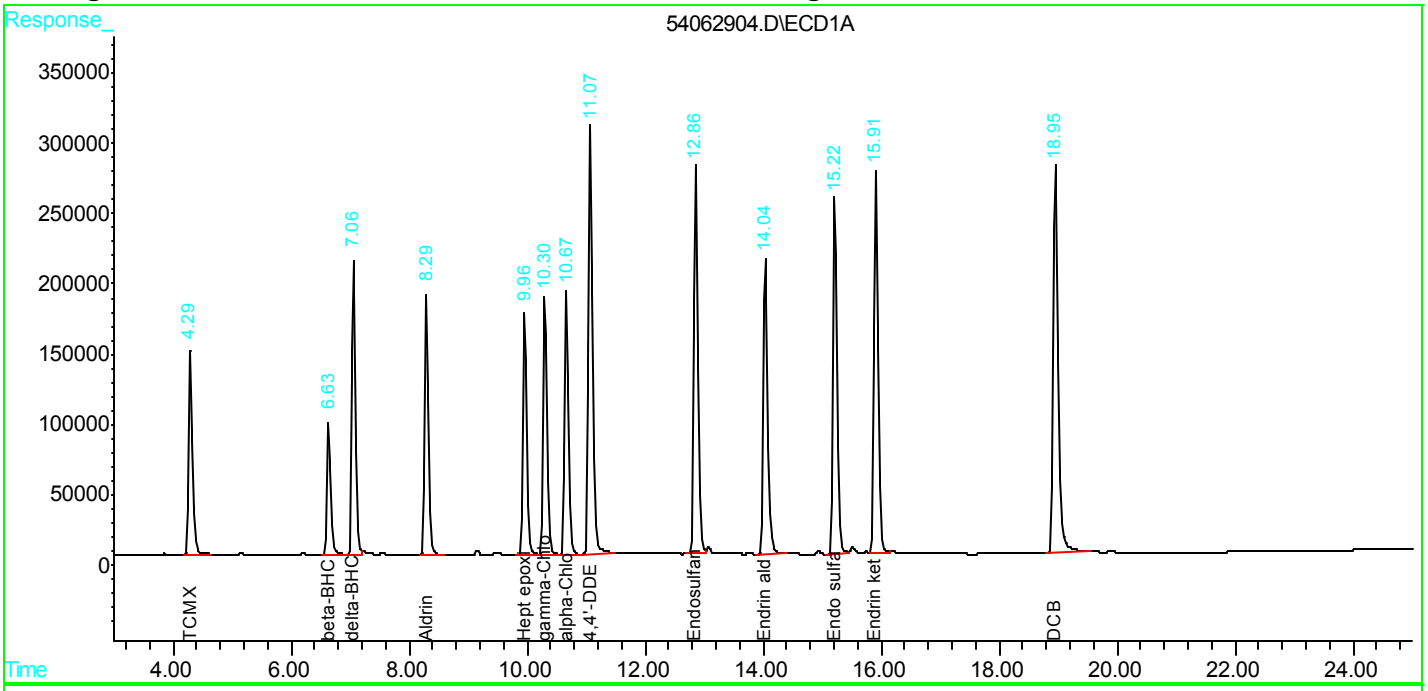
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29f	5.83	6369035	7724650	109.843	109.421
	Spiked Amount 50.000	Range 30 - 150		Recovery =		219.69%#	218.84%#
32)	SA DCB	18.95	22.48	15999284	12826989	183.560	180.096
	Spiked Amount 50.000	Range 30 - 150		Recovery =		367.12%#	360.19%#
	Target Compounds						
5)	MB Aldrin	8.29f	10.75	7952801	8834014	98.671	106.189
6)	B beta-BHC	6.64f	8.92	4118851	4880859	105.763	101.299
7)	B delta-BHC	7.06f	9.76	8592236	10484429	100.064	104.363
8)	B Hept epoxide	9.96f	12.43	7479981	7982681	101.016	98.737
10)	B gamma-Chlordane	10.31f	12.98	8169882	8448695	105.256	100.334
11)	B alpha-Chlordane	10.67f	13.40	8414864	8595349	104.175	98.564
12)	B 4,4'-DDE	11.07f	14.02	14853514	14785623	208.048	201.541
15)	B Endosulfan II	12.86	15.73	13074843	12876280	199.428	187.166
18)	B Endrin aldehyde	14.04	16.70	10429359	9506426	179.342	169.197
19)	B Endo sulfate	15.22	17.47	12078936	11707139	193.041	187.918
21)	B Endrin ketone	15.91	18.89	13221361	12534658	202.209	193.015
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

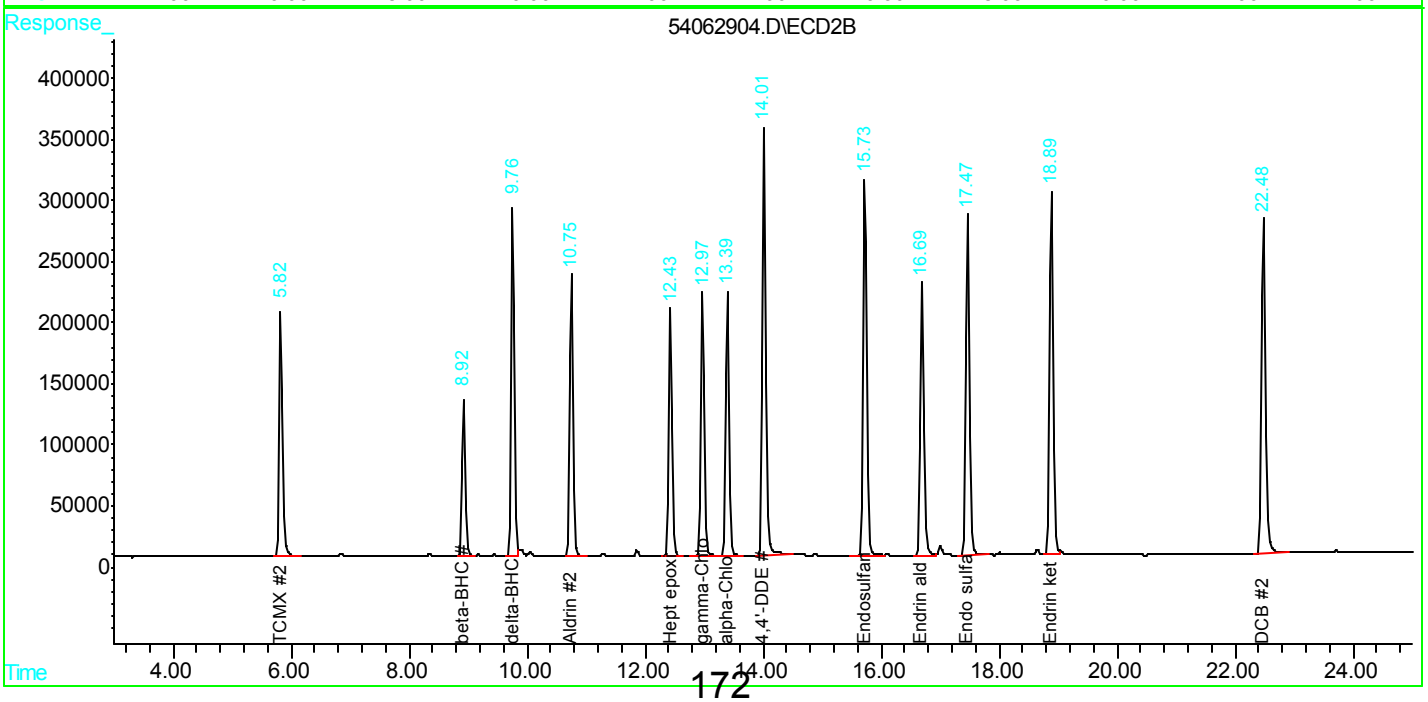
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD1A.CH Vial: 54
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062904.D\ECD2B.CH
Acq On : 29 Jun 2004 4:29 pm Operator: JMZ
Sample : INDB-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 16:57 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD1A.CH Vial: 55
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD2B.CH
Acq On : 29 Jun 2004 4:58 pm Operator: JMZ
Sample : TOXA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	100.000	306.332	-206.3#	301	-0.02
22	L10 Toxaphene {1}	3000.000	2849.979	5.0	94	0.00
23	L10 Toxaphene {2}	3000.000	2847.986	5.1	94	0.00
24	L10 Toxaphene {3}	3000.000	2813.711	6.2	93	0.00
25	L10 Toxaphene {4}	3000.000	2790.083	7.0	92	0.00
26	L10 Toxaphene {5}	3000.000	2787.536	7.1	92	0.00
32	SA DCB	200.000	277.117	-38.6#	130	-0.01

Signal #2

1	SA TCMX	100.000	291.915	-191.9#	302	0.00
22	L10 Toxaphene {1}	3000.000	2962.897	1.2	99	0.00
23	L10 Toxaphene {2}	3000.000	2964.438	1.2	98	0.00
24	L10 Toxaphene {3}	3000.000	3008.100	-0.3	99	0.00
25	L10 Toxaphene {4}	3000.000	2949.834	1.7	98	0.00
26	L10 Toxaphene {5}	3000.000	2862.112	4.6	94	0.00
32	SA DCB	200.000	267.300	-33.7#	125	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD1A.CH Vial: 55
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD2B.CH
Acq On : 29 Jun 2004 4:58 pm Operator: JMZ
Sample : TOXA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	100.000	3.245	96.8#	0	-5.57#
3	MA	gamma-BHC	100.000	2.543	97.5#	0	-6.35#
4	MA	Heptachlor	100.000	0.000	100.0#	0	-7.54#
5	MB	Aldrin	100.000	-3.509	103.5#	0	-8.31#
6	B	beta-BHC	100.000	0.000	100.0#	0	-6.66#
7	B	delta-BHC	100.000	3.743	96.3#	0	-7.08#
8	B	Hept epoxide	100.000	0.000	100.0#	0	-9.98#
9	A	Endosulfan I	100.000	0.000	100.0#	0	-10.98#
10	B	gamma-Chlordane	100.000	0.000	100.0#	0	-10.32#
11	B	alpha-Chlordane	100.000	0.000	100.0#	0	-10.68#
12	B	4,4'-DDE	200.000	0.951	99.5#	0	-11.09#
13	MA	Dieldrin	200.000	0.000	100.0#	0	-11.65#
14	MA	Endrin	200.000	0.000	100.0#	0	-12.24#
15	B	Endosulfan II	200.000	0.000	100.0#	0	-12.87#
16	A	4,4'-DDD	200.000	1.888	99.1#	0	-12.70#
17	MA	4,4'-DDT	200.000	5.881	97.1#	0	-13.45#
18	B	Endrin aldehyde	200.000	0.000	100.0#	0	-14.05#
19	B	Endo sulfate	200.000	0.000	100.0#	0	-15.23#
20	A	Methoxychlor	1000.000	0.000	100.0#	0	-14.96#
21	B	Endrin ketone	200.000	0.000	100.0#	0	-15.93#
27	L11	Chlordane {1}	750.000	0.000	100.0#	0	-7.38#
28	L11	Chlordane {2}	750.000	0.000	100.0#	0	-8.80#
29	L11	Chlordane {3}	750.000	11.282	98.5#	0	-10.36#
30	L11	Chlordane {4}	750.000	7.878	98.9#	0	-10.73#
31	L11	Chlordane {5}	750.000	23.681	96.8#	0	-12.73#

Signal #2

2	A	alpha-BHC	100.000	0.809	99.2#	0	-7.58#
3	MA	gamma-BHC	100.000	0.260	99.7#	0	-8.62#
4	MA	Heptachlor	100.000	-5.653	105.7#	0	-9.86#
5	MB	Aldrin	100.000	0.000	100.0#	0	-10.76#
6	B	beta-BHC	100.000	0.000	100.0#	0	-8.93#
7	B	delta-BHC	100.000	0.806	99.2#	0	-9.77#
8	B	Hept epoxide	100.000	0.000	100.0#	0	-12.44#
9	A	Endosulfan I	100.000	0.000	100.0#	0	-13.51#
10	B	gamma-Chlordane	100.000	0.000	100.0#	0	-12.98#
11	B	alpha-Chlordane	100.000	0.000	100.0#	0	-13.40#
12	B	4,4'-DDE	200.000	0.000	100.0#	0	-14.02#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD1A.CH Vial: 55
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD2B.CH
Acq On : 29 Jun 2004 4:58 pm Operator: JMZ
Sample : TOXA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
13	MA	Dieldrin	200.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	200.000	0.000	100.0#	0	-15.11#
15	B	Endosulfan II	200.000	0.000	100.0#	0	-15.74#
16	A	4,4'-DDD	200.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	200.000	2.659	98.7#	0	-16.50#
18	B	Endrin aldehyde	200.000	0.000	100.0#	0	-16.70#
19	B	Endo sulfate	200.000	0.000	100.0#	0	-17.48#
20	A	Methoxychlor	1000.000	0.000	100.0#	0	-18.51#
21	B	Endrin ketone	200.000	0.000	100.0#	0	-18.90#
27	L11	Chlordane {1}	750.000	0.000	100.0#	0	-9.45#
28	L11	Chlordane {2}	750.000	-39.444	105.3#	0	-11.29#
29	L11	Chlordane {3}	750.000	0.000	100.0#	0	-12.99#
30	L11	Chlordane {4}	750.000	0.000	100.0#	0	-13.27#
31	L11	Chlordane {5}	750.000	0.000	100.0#	0	-13.41#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD1A.CH Vial: 55
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD2B.CH
Acq On : 29 Jun 2004 4:58 pm Operator: JMZ
Sample : TOXA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 17:28 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29f	5.82	17762118	20607959	306.332	291.915
Spiked Amount 50.000	Range 30 - 150		Recovery =		612.66%#	583.83%#
32) SA DCB	18.95	22.48	23674348	18602354	277.117	267.300
Spiked Amount 50.000	Range 30 - 150		Recovery =		554.23%#	534.60%#
Target Compounds						
22) L10 Toxaphene {1}	12.35	15.98	6288714	9632932	2849.979	2962.897
23) L10 Toxaphene {2}	13.17	16.73	7628253	8146576	2847.986	2964.438
24) L10 Toxaphene {3}	14.33	16.93	10824787	6832651	2813.711	3008.100
25) L10 Toxaphene {4}	14.90	18.10	12336578	14951877	2790.083	2949.834
26) L10 Toxaphene {5}	15.86	18.38	7289083	7804312	2787.536	2862.112
Sum Toxaphene			44367416	47368348	14089.296	14747.380
Average Toxaphene					2817.859	2949.476
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

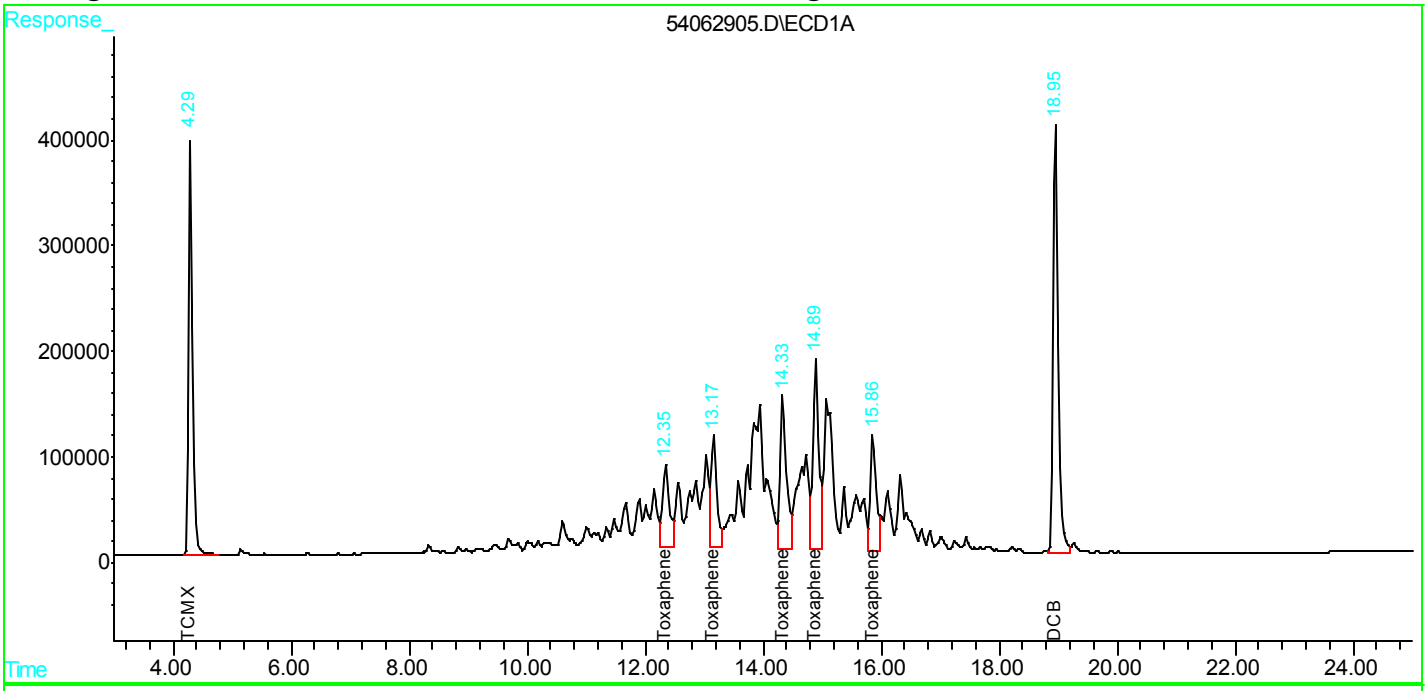
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062905.D 56084601.M Tue Jun 29 17:28:56 2004 Page 1

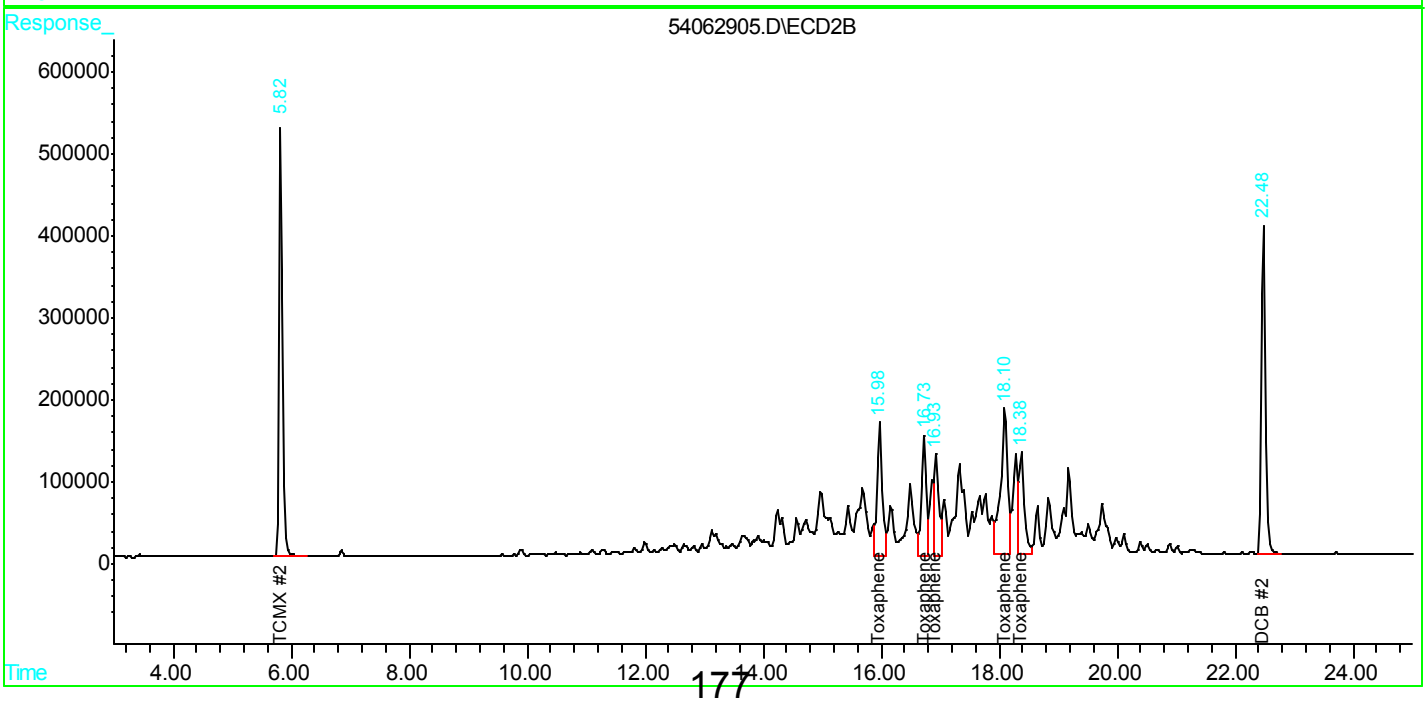
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD1A.CH Vial: 55
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062905.D\ECD2B.CH
Acq On : 29 Jun 2004 4:58 pm Operator: JMZ
Sample : TOXA-06 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 29 17:28 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Tue Jun 29 08:28:32 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD1A.CH Vial: 56
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD2B.CH
Acq On : 29 Jun 2004 5:28 pm Operator: JMZ
Sample : CHLO-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	80.000	104.087	-30.1#	126	0.00
27	L11 Chlordane {1}	500.000	479.514	4.1	93	0.00
28	L11 Chlordane {2}	500.000	514.732	-2.9	98	0.00
29	L11 Chlordane {3}	500.000	499.452	0.1	99	0.00
30	L11 Chlordane {4}	500.000	503.912	-0.8	98	0.00
31	L11 Chlordane {5}	500.000	455.754	8.8	95	0.00
32	SA DCB	160.000	89.767	43.9#	56	0.00
	Signal #2					
1	SA TCMX	80.000	106.353	-32.9#	134	0.00
27	L11 Chlordane {1}	500.000	520.429	-4.1	99	0.00
28	L11 Chlordane {2}	500.000	528.662	-5.7	102	0.00
29	L11 Chlordane {3}	500.000	537.563	-7.5	100	0.00
30	L11 Chlordane {4}	500.000	535.253	-7.1	98	0.00
31	L11 Chlordane {5}	500.000	515.968	-3.2	99	0.00
32	SA DCB	160.000	87.892	45.1#	56	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062906.D 56084601.M Wed Jun 30 08:21:48 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD1A.CH Vial: 56
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD2B.CH
Acq On : 29 Jun 2004 5:28 pm Operator: JMZ
Sample : CHLO-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	80.000	3.245	95.9#	0	-5.56#
3	MA	gamma-BHC	80.000	2.543	96.8#	0	-6.35#
4	MA	Heptachlor	80.000	0.000	100.0#	0	-7.54#
5	MB	Aldrin	80.000	-3.509	104.4#	0	-8.29#
6	B	beta-BHC	80.000	0.000	100.0#	0	-6.64#
7	B	delta-BHC	80.000	3.743	95.3#	0	-7.06#
8	B	Hept epoxide	80.000	0.000	100.0#	0	-9.96#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-10.98#
10	B	gamma-Chlordane	80.000	0.000	100.0#	0	-10.31#
11	B	alpha-Chlordane	80.000	0.000	100.0#	0	-10.67#
12	B	4,4'-DDE	160.000	0.951	99.4#	0	-11.07#
13	MA	Dieldrin	160.000	0.000	100.0#	0	-11.64#
14	MA	Endrin	160.000	0.000	100.0#	0	-12.23#
15	B	Endosulfan II	160.000	0.000	100.0#	0	-12.86#
16	A	4,4'-DDD	160.000	1.888	98.8#	0	-12.70#
17	MA	4,4'-DDT	160.000	5.881	96.3#	0	-13.45#
18	B	Endrin aldehyde	160.000	0.000	100.0#	0	-14.04#
19	B	Endo sulfate	160.000	0.000	100.0#	0	-15.22#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-14.95#
21	B	Endrin ketone	160.000	0.000	100.0#	0	-15.91#
22	L10	Toxaphene {1}	2000.000	235.198	88.2#	0	-12.35#
23	L10	Toxaphene {2}	2000.000	193.908	90.3#	0	-13.17#
24	L10	Toxaphene {3}	2000.000	172.281	91.4#	0	-14.33#
25	L10	Toxaphene {4}	2000.000	158.808	92.1#	0	-14.90#
26	L10	Toxaphene {5}	2000.000	204.682	89.8#	0	-15.86#

Signal #2

2	A	alpha-BHC	80.000	0.809	99.0#	0	-7.58#
3	MA	gamma-BHC	80.000	0.260	99.7#	0	-8.61#
4	MA	Heptachlor	80.000	-5.653	107.1#	0	-9.85#
5	MB	Aldrin	80.000	0.000	100.0#	0	-10.75#
6	B	beta-BHC	80.000	0.000	100.0#	0	-8.92#
7	B	delta-BHC	80.000	0.806	99.0#	0	-9.76#
8	B	Hept epoxide	80.000	0.000	100.0#	0	-12.43#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-13.50#
10	B	gamma-Chlordane	80.000	0.000	100.0#	0	-12.98#
11	B	alpha-Chlordane	80.000	0.000	100.0#	0	-13.40#
12	B	4,4'-DDE	160.000	0.000	100.0#	0	-14.02#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD1A.CH Vial: 56
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD2B.CH
Acq On : 29 Jun 2004 5:28 pm Operator: JMZ
Sample : CHLO-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
13	MA	Dieldrin	160.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	160.000	0.000	100.0#	0	-15.11#
15	B	Endosulfan II	160.000	0.000	100.0#	0	-15.73#
16	A	4,4'-DDD	160.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	160.000	2.659	98.3#	0	-16.50#
18	B	Endrin aldehyde	160.000	0.000	100.0#	0	-16.70#
19	B	Endo sulfate	160.000	0.000	100.0#	0	-17.47#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-18.51#
21	B	Endrin ketone	160.000	0.000	100.0#	0	-18.89#
22	L10	Toxaphene {1}	2000.000	101.830	94.9#	0	-15.98#
23	L10	Toxaphene {2}	2000.000	160.381	92.0#	0	-16.73#
24	L10	Toxaphene {3}	2000.000	158.009	92.1#	0	-16.93#
25	L10	Toxaphene {4}	2000.000	123.839	93.8#	0	-18.10#
26	L10	Toxaphene {5}	2000.000	186.121	90.7#	0	-18.38#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD1A.CH Vial: 56
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD2B.CH
Acq On : 29 Jun 2004 5:28 pm Operator: JMZ
Sample : CHLO-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:20 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:09 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29	5.83	6035288	7508099	104.087	106.353
Spiked Amount 50.000	Range 30 - 150		Recovery =		208.17%#	212.71%#
32) SA DCB	18.95	22.48	8304975	6720511	89.767	87.892
Spiked Amount 50.000	Range 30 - 150		Recovery =		179.53%#	175.78%#
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
27) L11 Chlordane {1}	7.33	9.44	1246607	1659666	479.514	520.429
28) L11 Chlordane {2}	8.75f	11.27	1847091	1985111	514.732	528.662
29) L11 Chlordane {3}	10.31f	12.97	5108218	5331480	499.452	537.563
30) L11 Chlordane {4}	10.66f	13.25	7774924	3369599	503.912	535.253
31) L11 Chlordane {5}	12.66f	13.40	1303694	4824041	455.754	515.968
Sum Chlordane			17280534	17169897	2453.364	2637.875
Average Chlordane					490.673	527.575

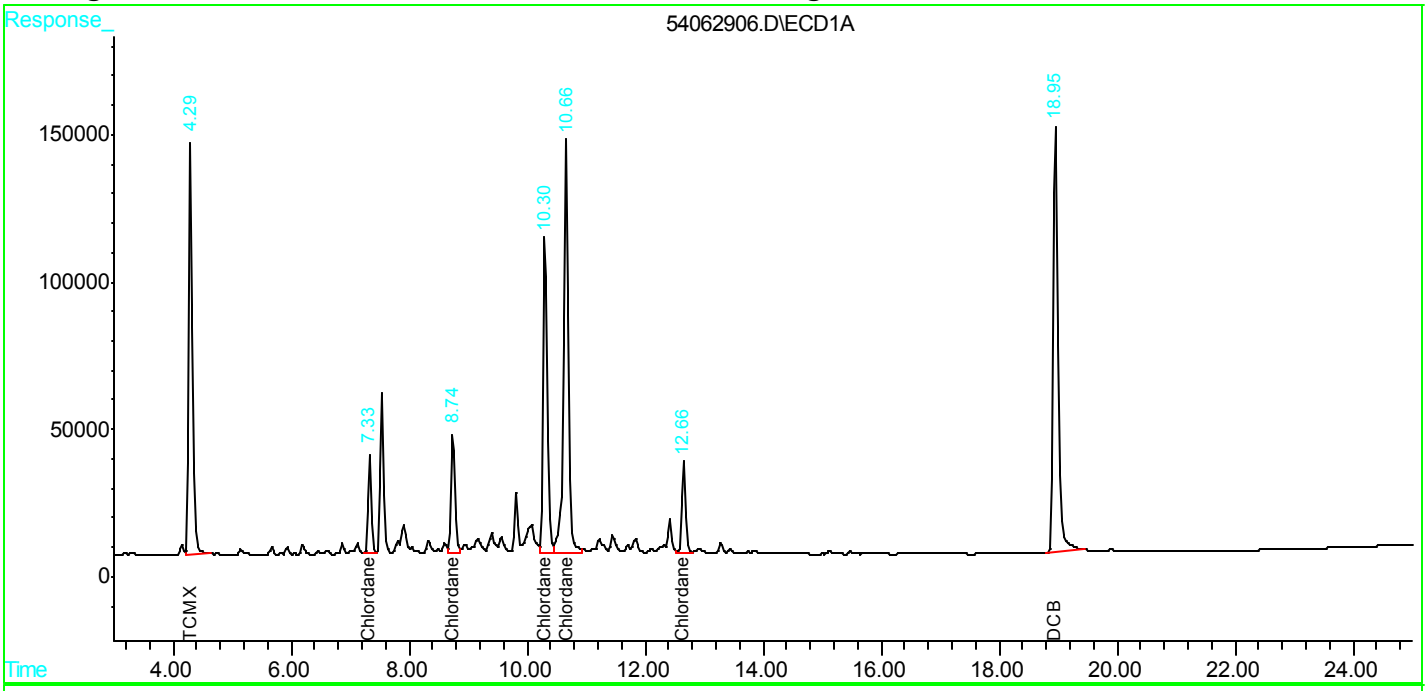
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062906.D 56084601.M Wed Jun 30 08:21:08 2004 Page 1

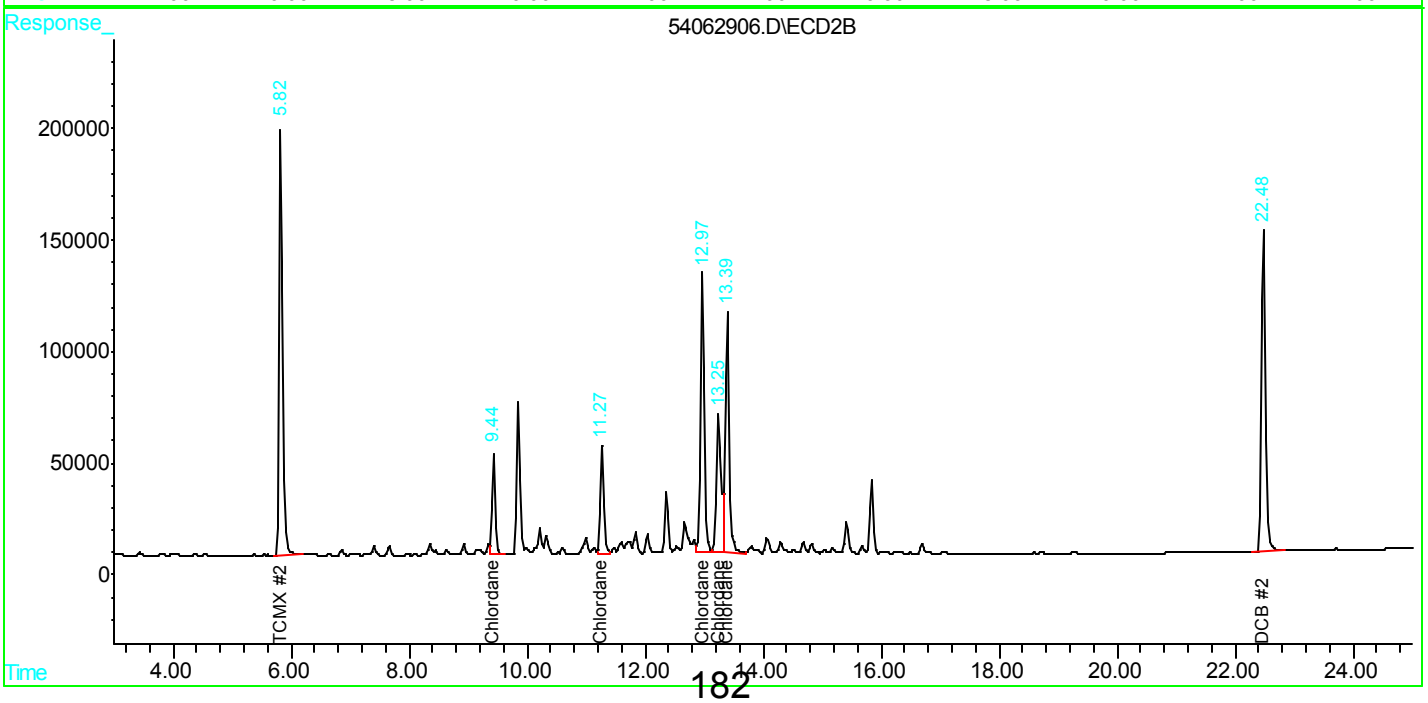
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD1A.CH Vial: 56
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062906.D\ECD2B.CH
Acq On : 29 Jun 2004 5:28 pm Operator: JMZ
Sample : CHLO-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:20 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062915.D\ECD1A.CH Vial: 65
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062915.D\ECD2B.CH
Acq On : 29 Jun 2004 9:52 pm Operator: JMZ
Sample : MB-47170 Inst : GC-5
Misc : MBLK 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:06 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

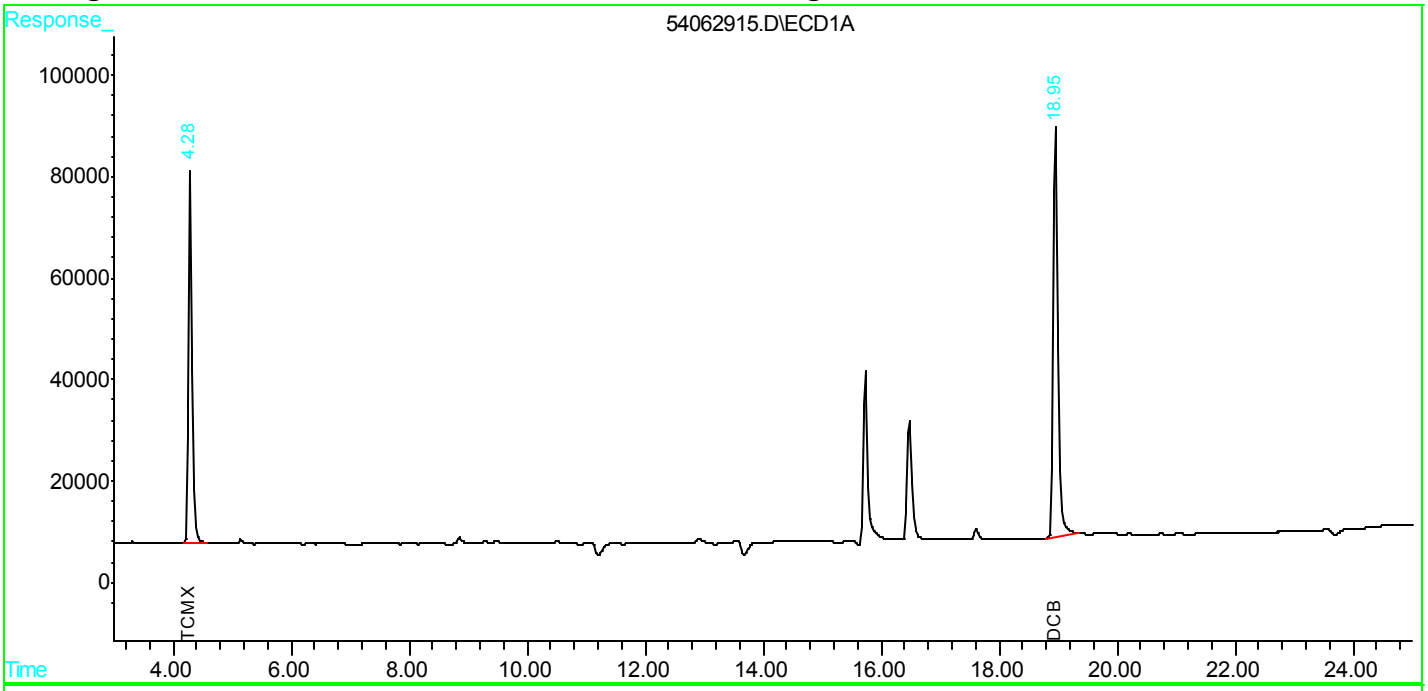
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29	5.82	3052796	3814909	52.650	54.039
Spiked Amount	50.000	Range 30 - 150		Recovery =	105.30%	108.08%
32) SA DCB	18.95	22.48	4460762	3830380	42.907	44.253
Spiked Amount	50.000	Range 30 - 150		Recovery =	85.81%	88.51%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

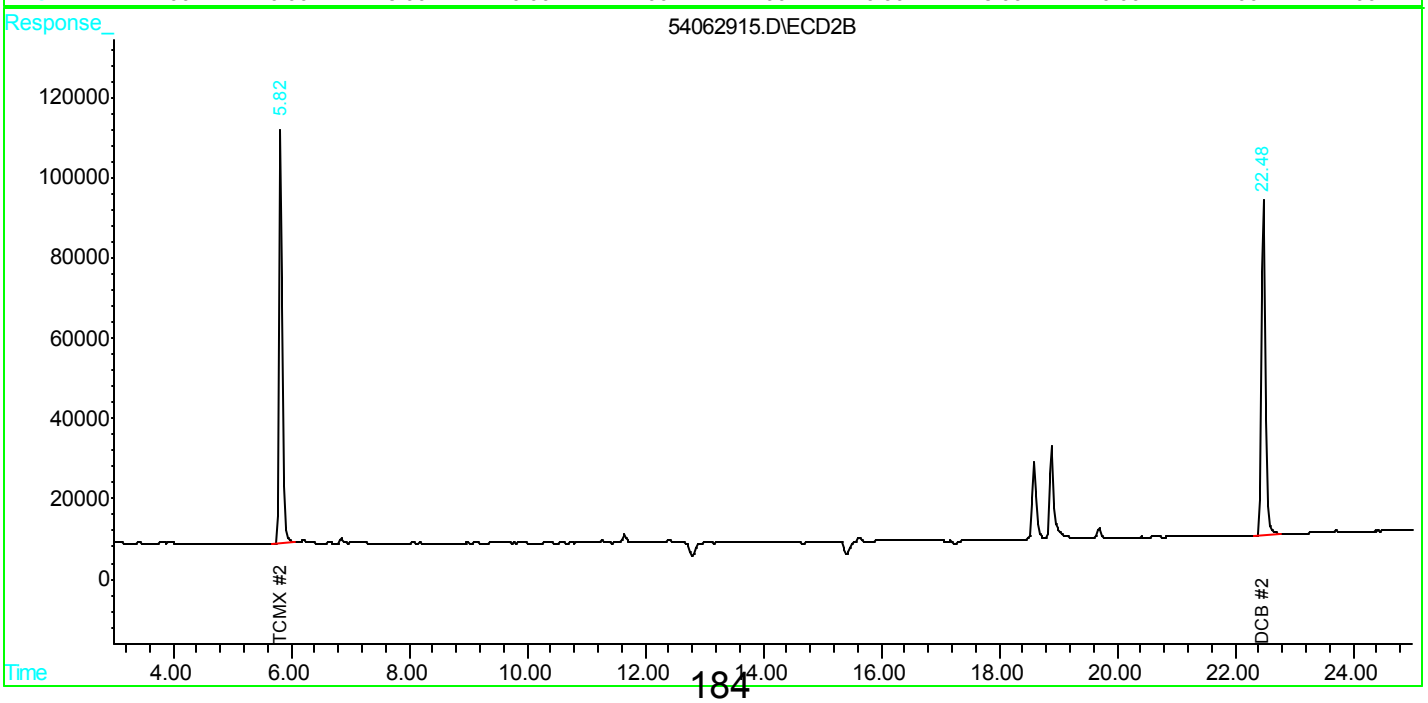
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062915.D\ECD1A.CH Vial: 65
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062915.D\ECD2B.CH
Acq On : 29 Jun 2004 9:52 pm Operator: JMZ
Sample : MB-47170 Inst : GC-5
Misc : MBLK 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:06 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062916.D\ECD1A.CH Vial: 66
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062916.D\ECD2B.CH
Acq On : 29 Jun 2004 10:21 pm Operator: JMZ
Sample : LCS-47170 Inst : GC-5
Misc : LCS 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:08 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

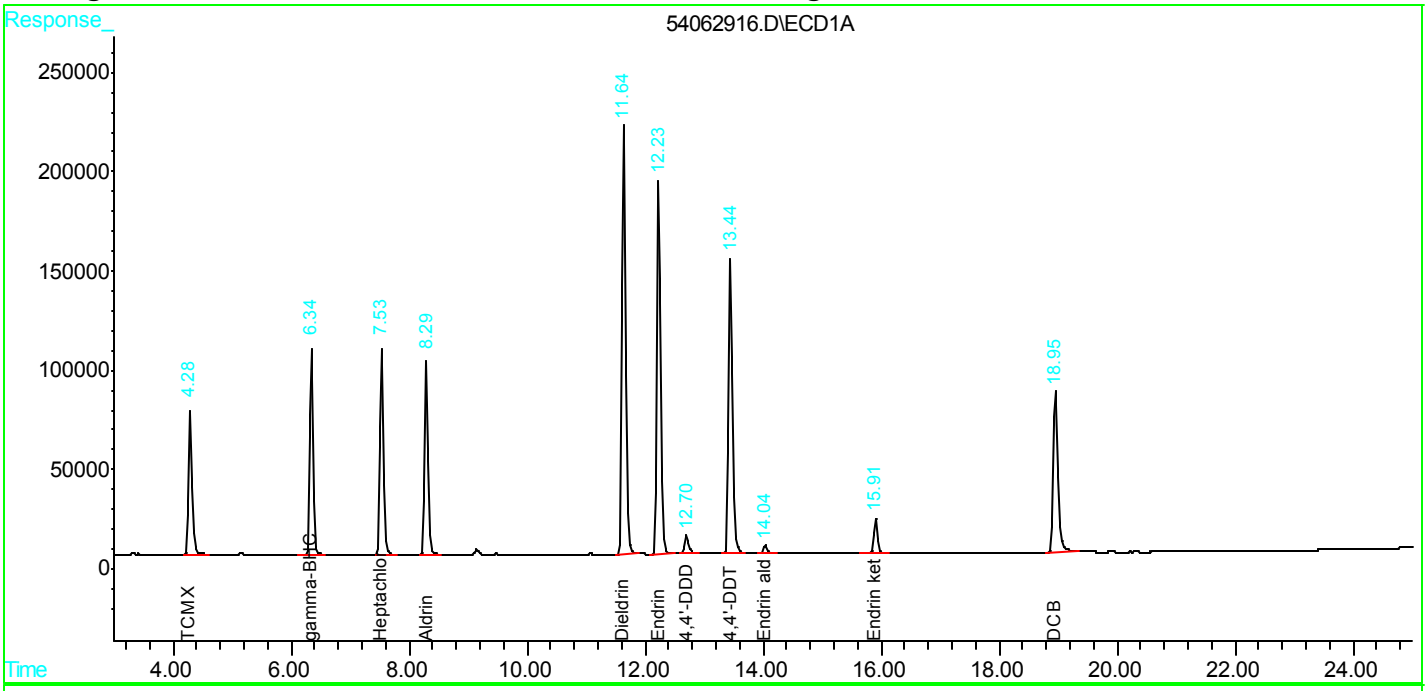
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	SA TCMX	4.29	5.82	3011525	3676189	51.938	52.074	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		103.88%	104.15%	
32)	SA DCB	18.95	22.48	4530756	3838253	43.760	44.371	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		87.52%	88.74%	
	Target Compounds							
3)	MA gamma-BHC	6.34	8.61	3870857	4928909	47.953	50.465	
4)	MA Heptachlor	7.53	9.85	4193675	4865977	46.195	46.512	
5)	MB Aldrin	8.29	10.75	3860757	4500763	46.095	54.101	
13)	MA Dieldrin	11.64	14.28	9370393	9422239	137.824	130.438	
14)	MA Endrin	12.23	15.11	8246427	8044415	135.426	126.553	
16)	A 4,4'-DDD	12.70	15.64	412730	568278	9.365	10.021	
17)	MA 4,4'-DDT	13.45	16.49	6913738	6707993	124.044	125.831	
18)	B Endrin aldehyde	14.04	16.70	190119	259247	3.269	4.614	#
21)	B Endrin ketone	15.91	18.89	778803	794809	11.911	12.239	
	Sum Toxaphene			0	0	N.D.	N.D.	
	Average Toxaphene					0.000	0.000	
	Sum Chlordane			0	0	N.D.	N.D.	
	Average Chlordane					0.000	0.000	

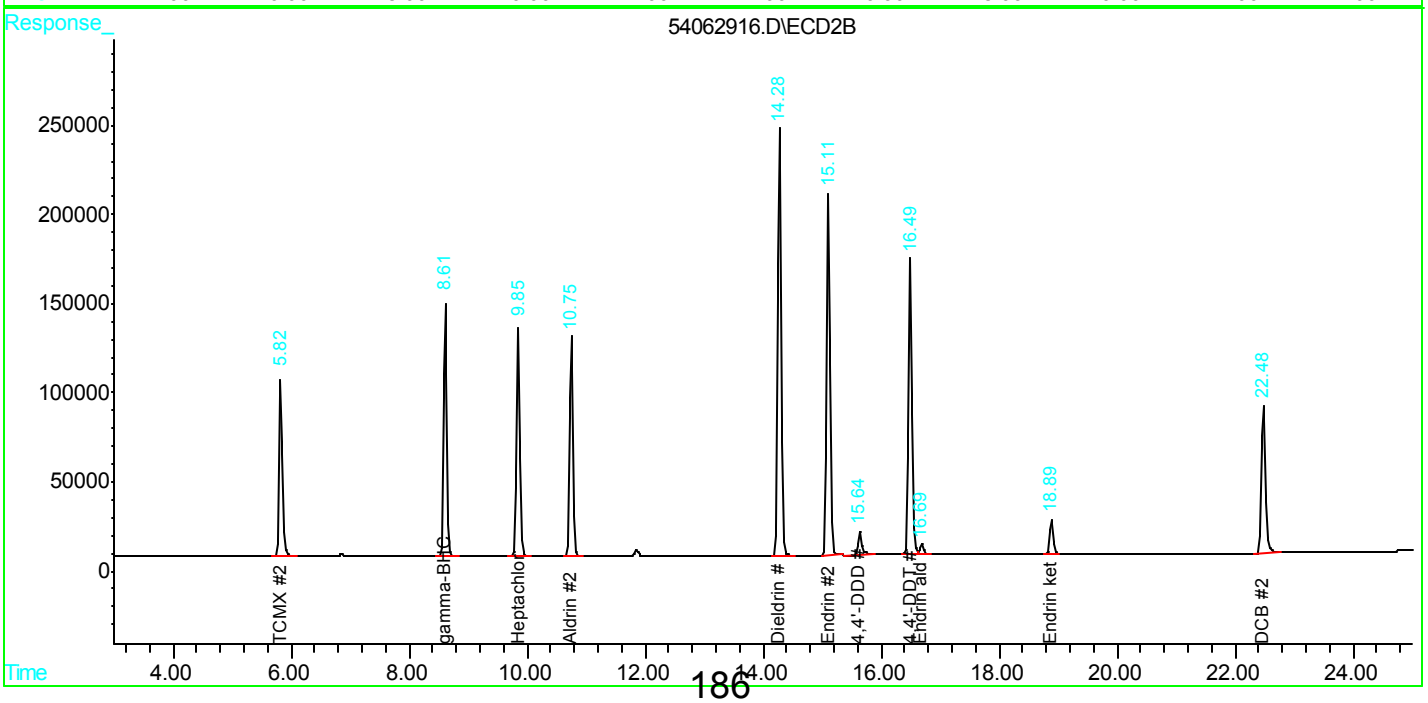
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062916.D\ECD1A.CH Vial: 66
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062916.D\ECD2B.CH
Acq On : 29 Jun 2004 10:21 pm Operator: JMZ
Sample : LCS-47170 Inst : GC-5
Misc : LCS 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:08 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062917.D\ECD1A.CH Vial: 67
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062917.D\ECD2B.CH
Acq On : 29 Jun 2004 10:51 pm Operator: JMZ
Sample : 0406D44-001A 47170 Inst : GC-5
Misc : SAMP 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:09 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

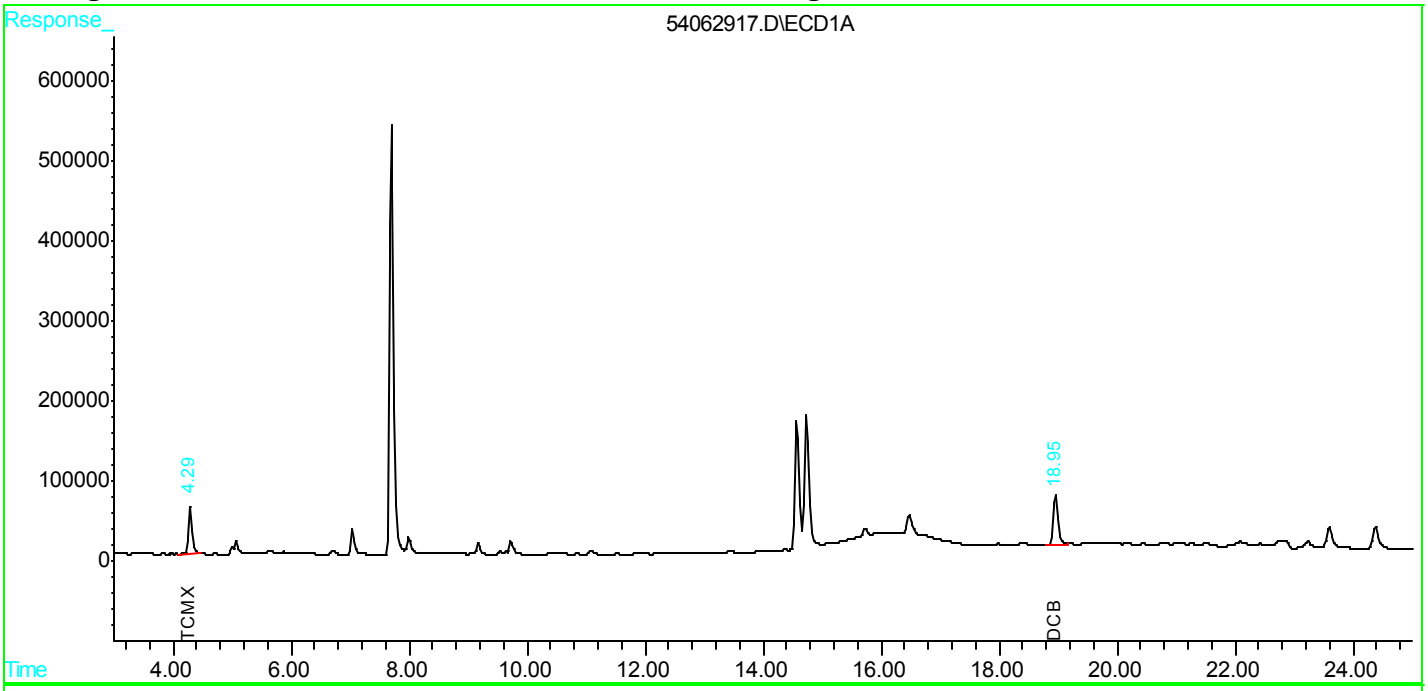
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29	5.83	2459157	2345830	42.411	33.229
Spiked Amount	50.000	Range 30 - 150		Recovery =	84.82%	66.46%
32) SA DCB	18.96	22.48	3592587	3243129	32.324	35.385
Spiked Amount	50.000	Range 30 - 150		Recovery =	64.65%	70.77%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

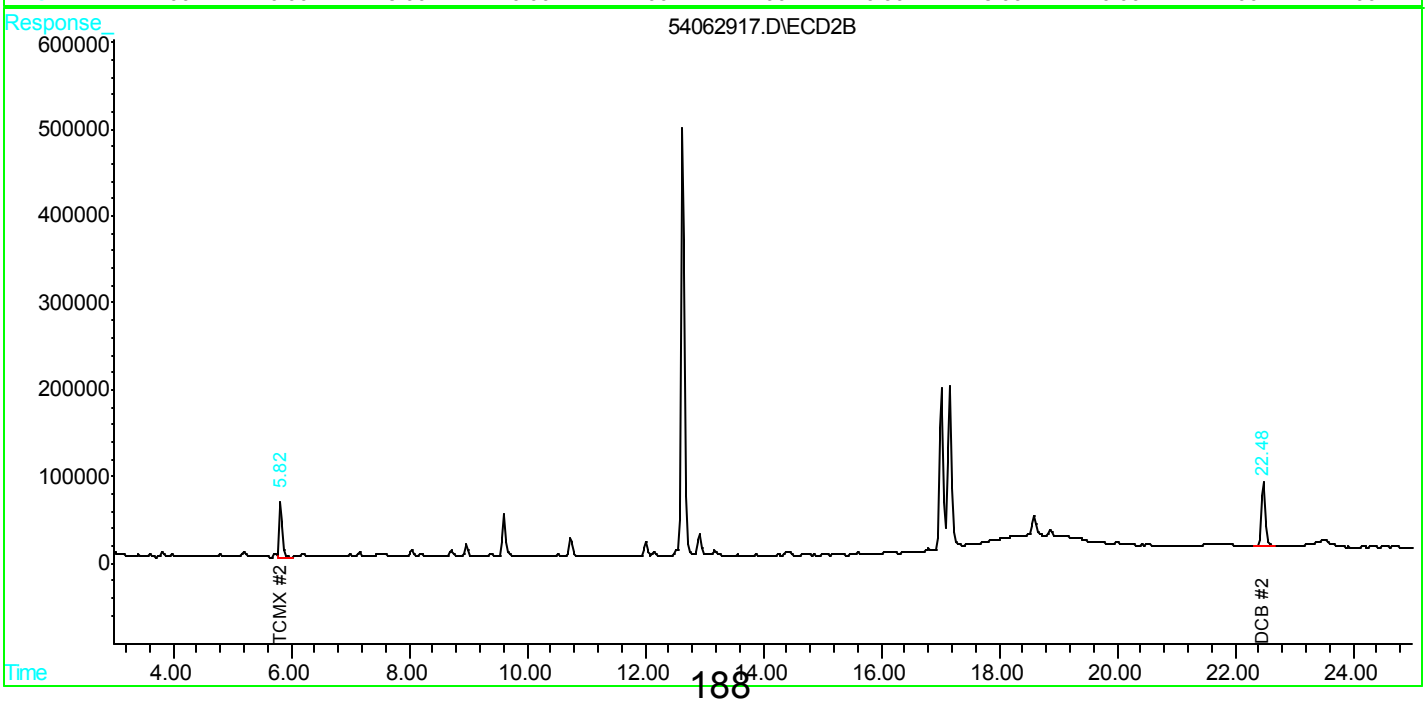
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062917.D\ECD1A.CH Vial: 67
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062917.D\ECD2B.CH
Acq On : 29 Jun 2004 10:51 pm Operator: JMZ
Sample : 0406D44-001A 47170 Inst : GC-5
Misc : SAMP 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:09 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062918.D\ECD1A.CH Vial: 68
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062918.D\ECD2B.CH
Acq On : 29 Jun 2004 11:20 pm Operator: JMZ
Sample : 0406D44-001AMS 47170 Inst : GC-5
Misc : MS 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:18 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

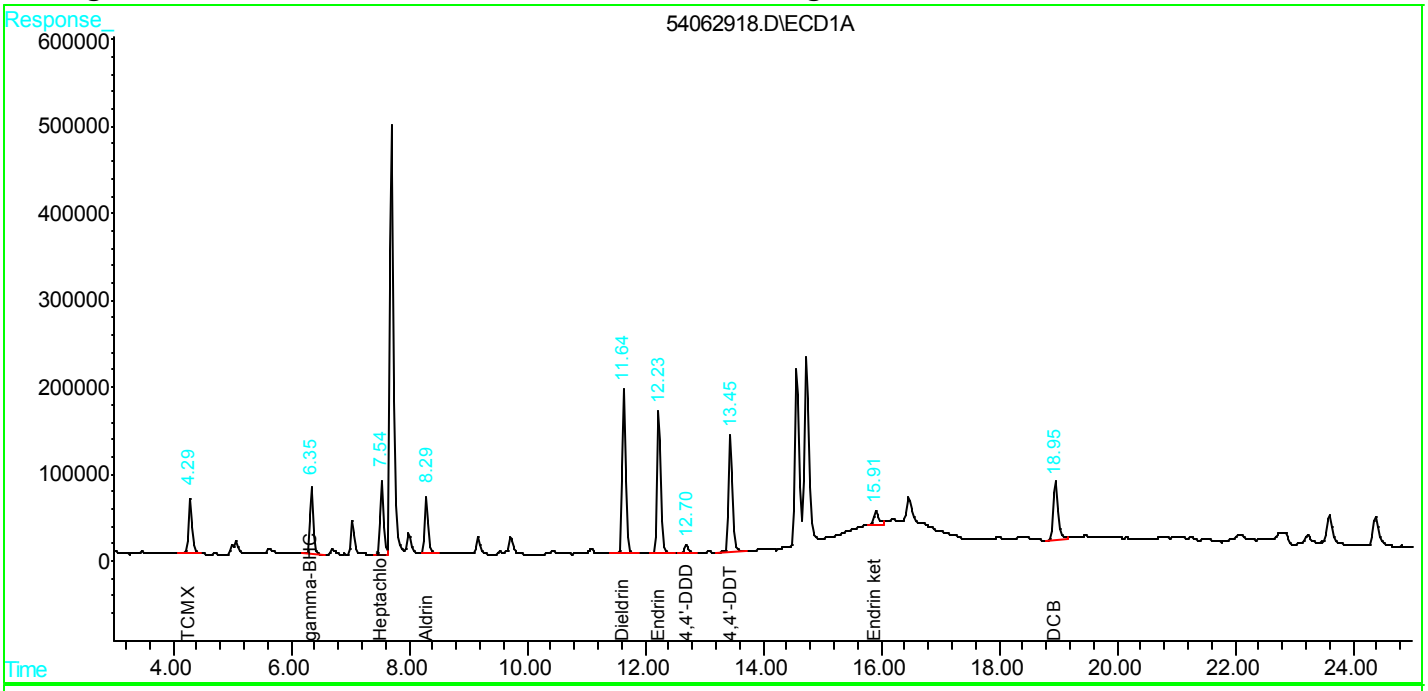
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) SA	TCMX	4.29	5.83	2637442	2502780	45.486	35.452
	Spiked Amount 50.000	Range 30 - 150		Recovery =		90.97%	70.90%
32) SA	DCB	18.96	22.48	3770208	3378880	34.490	37.435
	Spiked Amount 50.000	Range 30 - 150		Recovery =		68.98%	74.87%
	Target Compounds						
3) MA	gamma-BHC	6.35	8.61	2893937	3587842	36.492	36.805
4) MA	Heptachlor	7.54	9.85	3295491	3756729	36.301	34.620
5) MB	Aldrin	8.29	10.75	2598901	4079435	29.882	49.037 #
13) MA	Dieldrin	11.64	14.28	7999246	8245321	117.657	114.145
14) MA	Endrin	12.23	15.11	7102195	6824396	116.635	107.360
16) A	4,4'-DDD	12.70	15.64	385768	617257	8.877	10.885
17) MA	4,4'-DDT	13.45	16.49	6024774	5953372	108.851	111.974
21) B	Endrin ketone	15.91	18.88	1059499	786952	16.204m	12.118m#
	Sum Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

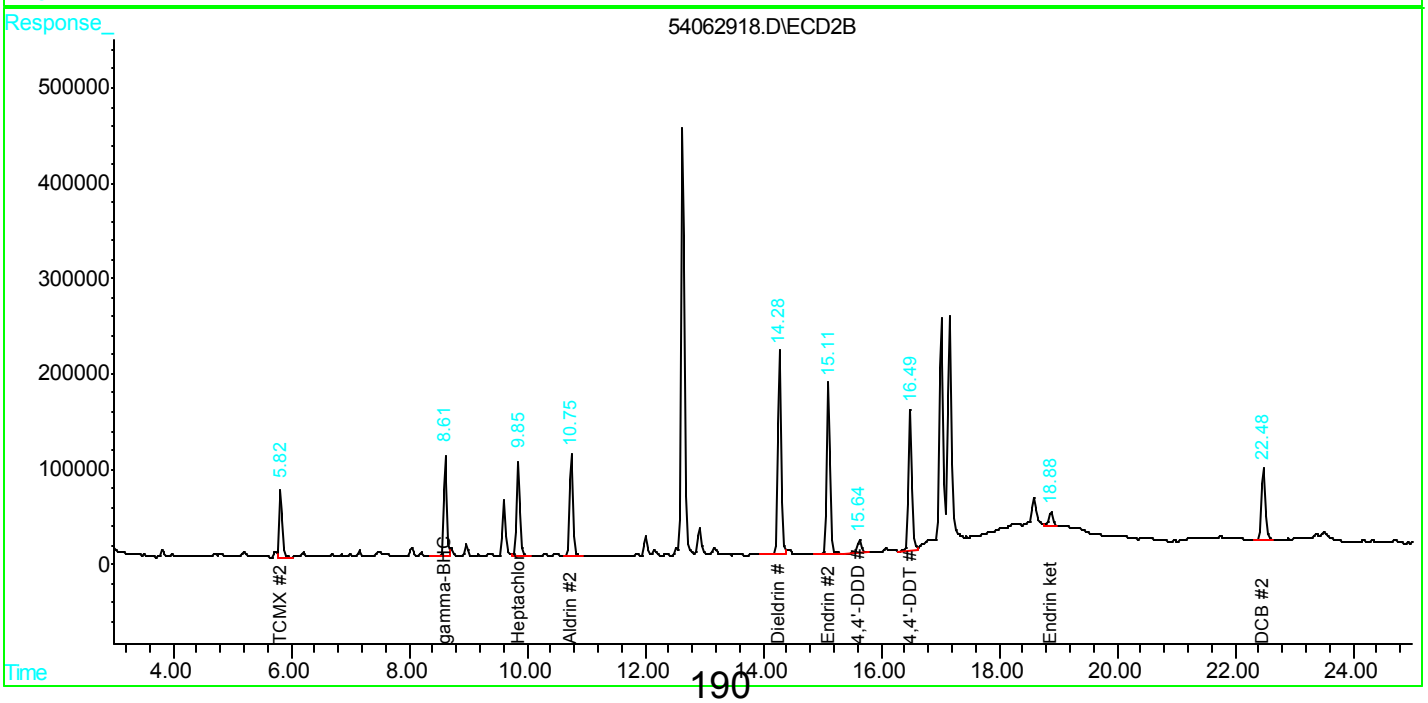
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062918.D\ECD1A.CH Vial: 68
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062918.D\ECD2B.CH
Acq On : 29 Jun 2004 11:20 pm Operator: JMZ
Sample : 0406D44-001AMS 47170 Inst : GC-5
Misc : MS 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:18 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062919.D\ECD1A.CH Vial: 69
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062919.D\ECD2B.CH
Acq On : 29 Jun 2004 11:49 pm Operator: JMZ
Sample : 0406D44-001AMSD 47170 Inst : GC-5
Misc : MSD 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:20 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

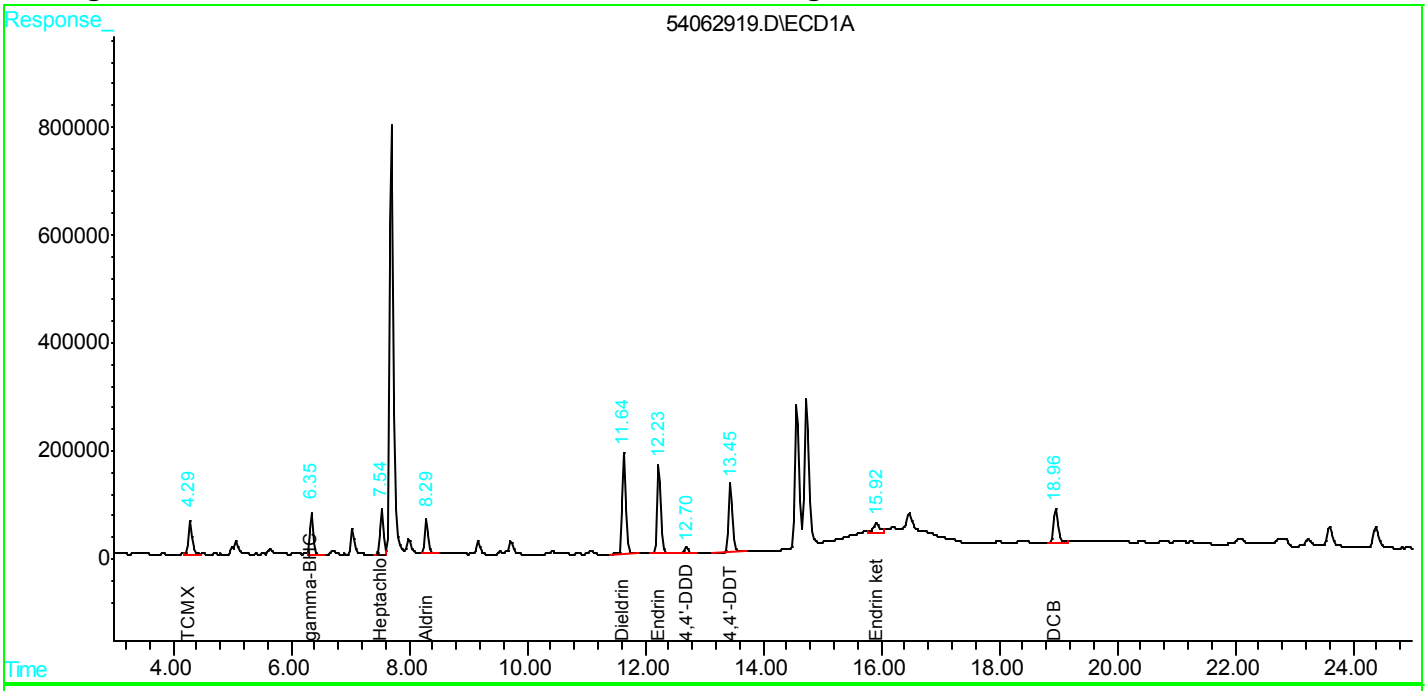
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.82	2628561	2433496	45.333	34.471
	Spiked Amount 50.000	Range 30 - 150		Recovery =		90.67%	68.94%
32)	SA DCB	18.96	22.48	3922827	3323007	36.350m	36.591
	Spiked Amount 50.000	Range 30 - 150		Recovery =		72.70%	73.18%
	Target Compounds						
3)	MA gamma-BHC	6.35	8.61	2864372	3507601	36.145	35.988
4)	MA Heptachlor	7.54	9.85	3229297	3682066	35.572	33.820
5)	MB Aldrin	8.29	10.75	2547673	4167340	29.224	50.093 #
13)	MA Dieldrin	11.64	14.28	7923435	8205532	116.541	113.595
14)	MA Endrin	12.24	15.11	7120791	6730822	116.941	105.887
16)	A 4,4'-DDD	12.70	15.64	480603	751341	10.595	13.249 #
17)	MA 4,4'-DDT	13.45	16.49	5723982	5278119	103.710	99.576
21)	B Endrin ketone	15.92	18.88	1199947	860175	18.352m	13.245m#
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

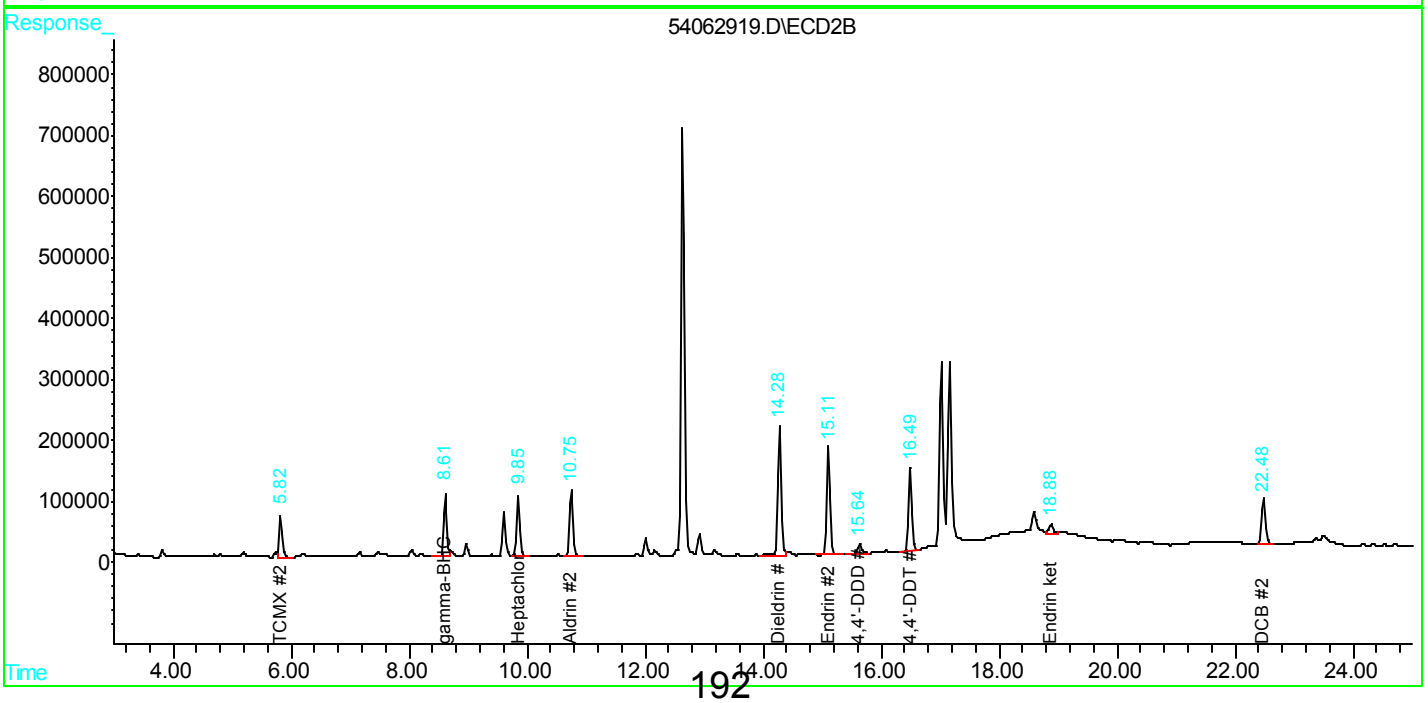
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062919.D\ECD1A.CH Vial: 69
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062919.D\ECD2B.CH
Acq On : 29 Jun 2004 11:49 pm Operator: JMZ
Sample : 0406D44-001AMSD 47170 Inst : GC-5
Misc : MSD 8081_TCL_X Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 9:20 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD1A.CH Vial: 70
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD2B.CH
Acq On : 30 Jun 2004 12:18 am Operator: JMZ
Sample : INDA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA	TCMX	80.000	82.540	-3.2	100	0.00
2	A	alpha-BHC	80.000	82.212	-2.8	100	0.00
3	MA	gamma-BHC	80.000	82.266	-2.8	100	0.00
4	MA	Heptachlor	80.000	83.103	-3.9	100	0.00
9	A	Endosulfan I	80.000	83.703	-4.6	100	0.00
13	MA	Dieldrin	160.000	172.360	-7.7	103	0.00
14	MA	Endrin	160.000	175.017	-9.4	105	0.00
16	A	4,4'-DDD	160.000	170.766	-6.7	104	0.00
17	MA	4,4'-DDT	160.000	138.850	13.2	86	0.00
20	A	Methoxychlor	800.000	744.292	7.0	96	0.00
32	SA	DCB	160.000	152.737	4.5	92	0.00
		Signal #2					
1	SA	TCMX	80.000	83.911	-4.9	106	0.00
2	A	alpha-BHC	80.000	86.483	-8.1	104	0.00
3	MA	gamma-BHC	80.000	85.089	-6.4	102	0.00
4	MA	Heptachlor	80.000	84.990	-6.2	101	0.00
9	A	Endosulfan I	80.000	79.635	0.5	99	0.00
13	MA	Dieldrin	160.000	161.361	-0.9	101	0.00
14	MA	Endrin	160.000	162.376	-1.5	102	0.00
16	A	4,4'-DDD	160.000	175.912	-9.9	104	0.00
17	MA	4,4'-DDT	160.000	142.769	10.8	87	0.00
20	A	Methoxychlor	800.000	725.120	9.4	96	0.00
32	SA	DCB	160.000	153.802	3.9	93	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD1A.CH Vial: 70
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD2B.CH
Acq On : 30 Jun 2004 12:18 am Operator: JMZ
Sample : INDA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
5	MB Aldrin	80.000	0.000	100.0#	0	-8.29#
6	B beta-BHC	80.000	0.000	100.0#	0	-6.64#
7	B delta-BHC	80.000	0.000	100.0#	0	-7.06#
8	B Hept epoxide	80.000	0.000	100.0#	0	-9.96#
10	B gamma-Chlordane	80.000	0.000	100.0#	0	-10.31#
11	B alpha-Chlordane	80.000	0.000	100.0#	0	-10.67#
12	B 4,4'-DDE	160.000	0.000	100.0#	0	-11.07#
15	B Endosulfan II	160.000	0.000	100.0#	0	-12.86#
18	B Endrin aldehyde	160.000	0.000	100.0#	0	-14.04#
19	B Endo sulfate	160.000	0.000	100.0#	0	-15.22#
21	B Endrin ketone	160.000	0.000	100.0#	0	-15.91#
22	L10 Toxaphene {1}	2000.000	235.198	88.2#	0	-12.35#
23	L10 Toxaphene {2}	2000.000	193.908	90.3#	0	-13.17#
24	L10 Toxaphene {3}	2000.000	172.281	91.4#	0	-14.33#
25	L10 Toxaphene {4}	2000.000	158.808	92.1#	0	-14.90#
26	L10 Toxaphene {5}	2000.000	204.682	89.8#	0	-15.86#
27	L11 Chlordane {1}	500.000	0.000	100.0#	0	-7.33#
28	L11 Chlordane {2}	500.000	0.000	100.0#	0	-8.75#
29	L11 Chlordane {3}	500.000	11.282	97.7#	0	-10.31#
30	L11 Chlordane {4}	500.000	7.878	98.4#	0	-10.66#
31	L11 Chlordane {5}	500.000	23.681	95.3#	0	-12.66#

Signal #2

5	MB Aldrin	80.000	0.000	100.0#	0	-10.75#
6	B beta-BHC	80.000	0.000	100.0#	0	-8.92#
7	B delta-BHC	80.000	0.000	100.0#	0	-9.76#
8	B Hept epoxide	80.000	0.000	100.0#	0	-12.43#
10	B gamma-Chlordane	80.000	0.000	100.0#	0	-12.98#
11	B alpha-Chlordane	80.000	0.000	100.0#	0	-13.40#
12	B 4,4'-DDE	160.000	0.000	100.0#	0	-14.02#
15	B Endosulfan II	160.000	0.000	100.0#	0	-15.73#
18	B Endrin aldehyde	160.000	0.000	100.0#	0	-16.70#
19	B Endo sulfate	160.000	0.000	100.0#	0	-17.47#
21	B Endrin ketone	160.000	0.000	100.0#	0	-18.89#
22	L10 Toxaphene {1}	2000.000	101.830	94.9#	0	-15.98#
23	L10 Toxaphene {2}	2000.000	160.381	92.0#	0	-16.73#
24	L10 Toxaphene {3}	2000.000	158.009	92.1#	0	-16.93#
25	L10 Toxaphene {4}	2000.000	123.839	93.8#	0	-18.10#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD1A.CH Vial: 70
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD2B.CH
Acq On : 30 Jun 2004 12:18 am Operator: JMZ
Sample : INDA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
26	L10 Toxaphene {5}	2000.000	186.121	90.7#	0	-18.38#
27	L11 Chlordane {1}	500.000	0.000	100.0#	0	-9.44#
28	L11 Chlordane {2}	500.000	-39.444	107.9#	0	-11.27#
29	L11 Chlordane {3}	500.000	0.000	100.0#	0	-12.97#
30	L11 Chlordane {4}	500.000	0.000	100.0#	0	-13.25#
31	L11 Chlordane {5}	500.000	0.000	100.0#	0	-13.40#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD1A.CH Vial: 70
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD2B.CH
Acq On : 30 Jun 2004 12:18 am Operator: JMZ
Sample : INDA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:24 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

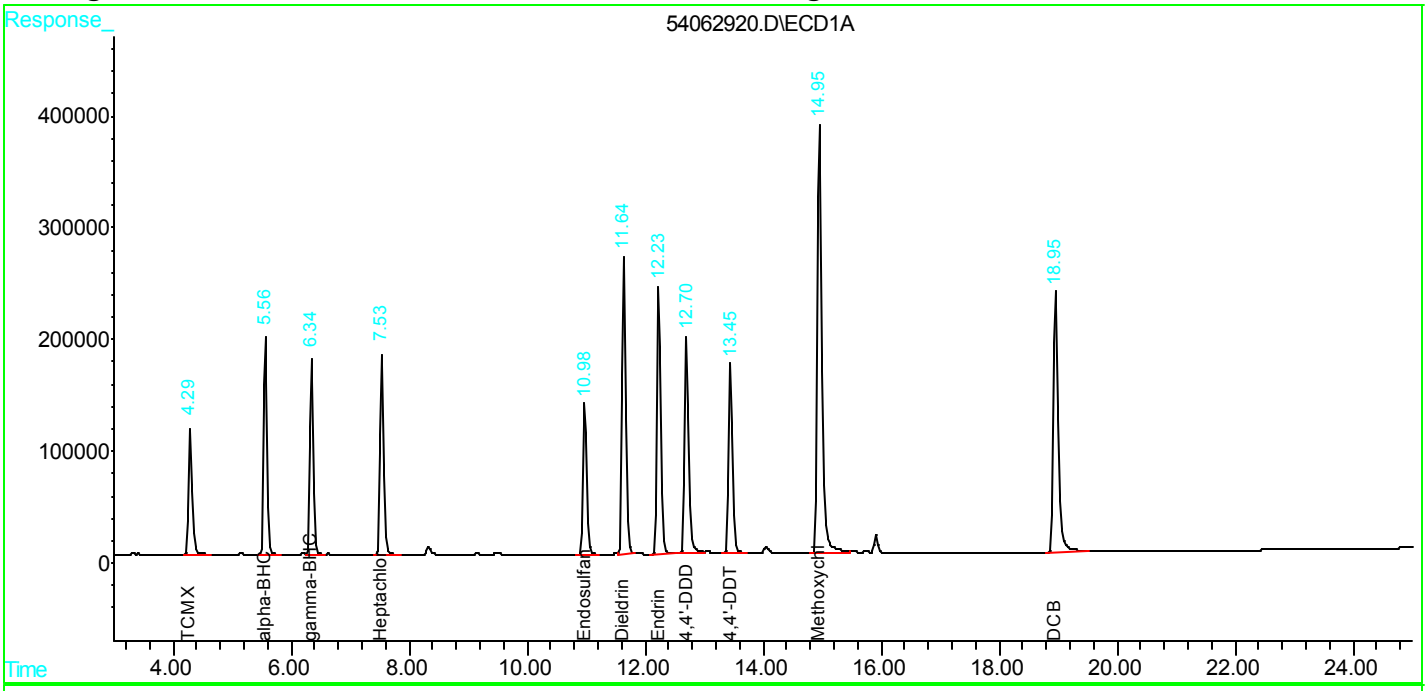
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.83	4785940	5923781	82.540	83.911
	Spiked Amount 50.000	Range 30 - 150		Recovery =		165.08%#	167.82%#
32)	SA DCB	18.96	22.48	13470706	11085630	152.737	153.802
	Spiked Amount 50.000	Range 30 - 150		Recovery =		305.47%#	307.60%#
	Target Compounds						
2)	A alpha-BHC	5.56	7.57	7447211	9371045	82.212	86.483
3)	MA gamma-BHC	6.35	8.61	6795796	8328242	82.266	85.089
4)	MA Heptachlor	7.54	9.85	7544167	8455319	83.103	84.990
9)	A Endosulfan I	10.98	13.50	5905054	6115506	83.703	79.635
13)	MA Dieldrin	11.64	14.28	11718437	11655980	172.360	161.361
14)	MA Endrin	12.23	15.11	10657193	10321571	175.017	162.376
16)	A 4,4'-DDD	12.70	15.64	9321567	9975890	170.766	175.912
17)	MA 4,4'-DDT	13.45	16.49	7780015	7630468	138.850	142.769
20)	A Methoxychlor	14.95	18.51	20592053	18966842	744.292	725.120
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

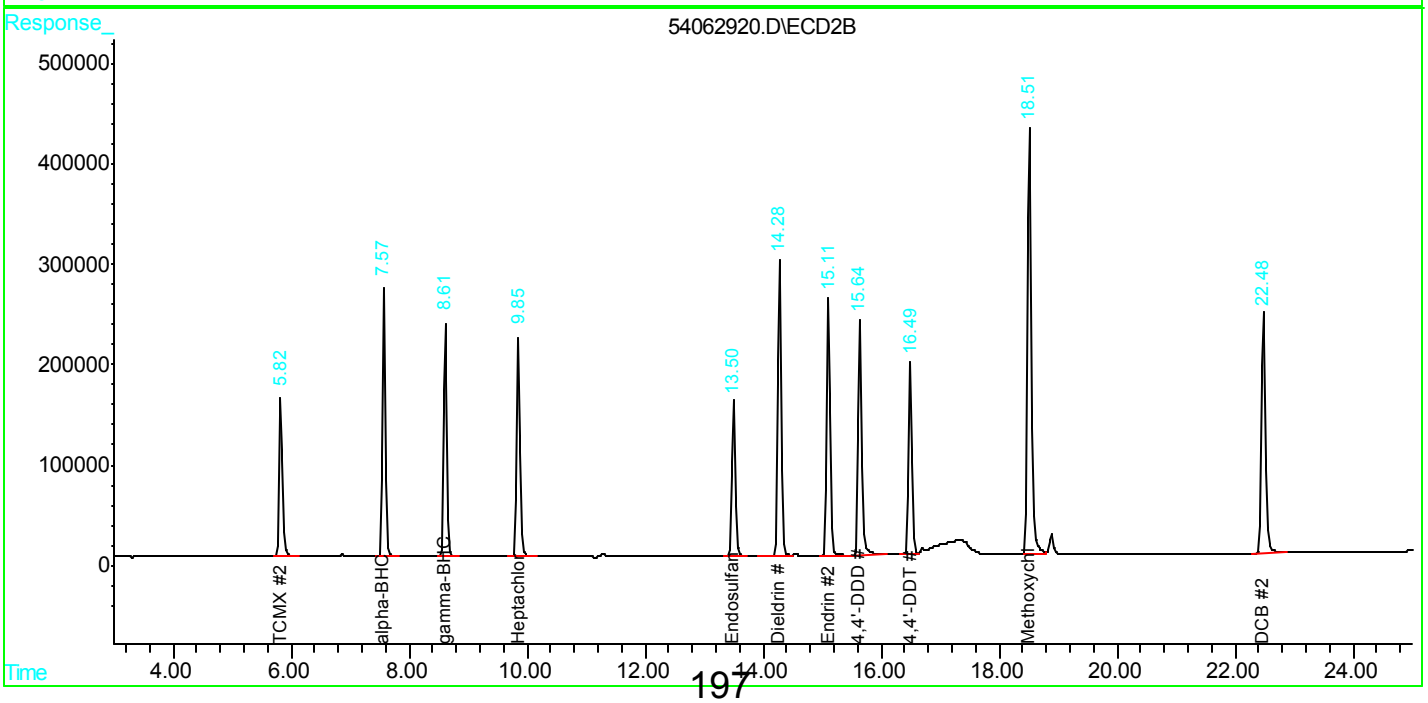
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD1A.CH Vial: 70
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062920.D\ECD2B.CH
Acq On : 30 Jun 2004 12:18 am Operator: JMZ
Sample : INDA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:24 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD1A.CH Vial: 71
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD2B.CH
Acq On : 30 Jun 2004 12:47 am Operator: JMZ
Sample : INDB-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA	TCMX	80.000	87.420	-9.3	106	0.00
5	MB	Aldrin	80.000	77.522	3.1	94	0.00
6	B	beta-BHC	80.000	82.198	-2.7	93	0.00
7	B	delta-BHC	80.000	78.349	2.1	95	0.00
8	B	Hept epoxide	80.000	79.469	0.7	93	0.00
10	B	gamma-Chlordane	80.000	81.662	-2.1	93	0.00
11	B	alpha-Chlordane	80.000	81.163	-1.5	94	0.00
12	B	4,4'-DDE	160.000	163.614	-2.3	96	0.00
15	B	Endosulfan II	160.000	157.448	1.6	94	0.00
18	B	Endrin aldehyde	160.000	143.785	10.1	86	0.00
19	B	Endo sulfate	160.000	152.576	4.6	92	0.00
21	B	Endrin ketone	160.000	150.622	5.9	88	0.00
32	SA	DCB	160.000	142.901	10.7	86	0.00

Signal #2

1	SA	TCMX	80.000	89.397	-11.7	113	0.00
5	MB	Aldrin	80.000	84.776	-6.0	97	0.00
6	B	beta-BHC	80.000	81.031	-1.3	97	0.00
7	B	delta-BHC	80.000	82.837	-3.5	98	0.00
8	B	Hept epoxide	80.000	79.398	0.8	97	0.00
10	B	gamma-Chlordane	80.000	79.234	1.0	94	0.00
11	B	alpha-Chlordane	80.000	77.989	2.5	94	0.00
12	B	4,4'-DDE	160.000	161.866	-1.2	94	0.00
15	B	Endosulfan II	160.000	152.051	5.0	95	0.00
18	B	Endrin aldehyde	160.000	141.882	11.3	88	0.00
19	B	Endo sulfate	160.000	150.710	5.8	94	0.00
21	B	Endrin ketone	160.000	145.287	9.2	88	0.00
32	SA	DCB	160.000	142.052	11.2	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062921.D 56084601.M Wed Jun 30 08:38:16 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD1A.CH Vial: 71
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD2B.CH
Acq On : 30 Jun 2004 12:47 am Operator: JMZ
Sample : INDB-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	80.000	0.000	100.0#	0	-5.56#
3	MA	gamma-BHC	80.000	0.000	100.0#	0	-6.35#
4	MA	Heptachlor	80.000	0.000	100.0#	0	-7.54#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-10.98#
13	MA	Dieldrin	160.000	0.000	100.0#	0	-11.64#
14	MA	Endrin	160.000	0.000	100.0#	0	-12.23#
16	A	4,4'-DDD	160.000	0.000	100.0#	0	-12.70#
17	MA	4,4'-DDT	160.000	0.000	100.0#	0	-13.45#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-14.95#
22	L10	Toxaphene {1}	2000.000	235.198	88.2#	0	-12.35#
23	L10	Toxaphene {2}	2000.000	193.908	90.3#	0	-13.17#
24	L10	Toxaphene {3}	2000.000	172.281	91.4#	0	-14.33#
25	L10	Toxaphene {4}	2000.000	158.808	92.1#	0	-14.90#
26	L10	Toxaphene {5}	2000.000	204.682	89.8#	0	-15.86#
27	L11	Chlordane {1}	500.000	0.000	100.0#	0	-7.33#
28	L11	Chlordane {2}	500.000	0.000	100.0#	0	-8.75#
29	L11	Chlordane {3}	500.000	11.282	97.7#	0	-10.31#
30	L11	Chlordane {4}	500.000	7.878	98.4#	0	-10.66#
31	L11	Chlordane {5}	500.000	23.681	95.3#	0	-12.66#

Signal #2

2	A	alpha-BHC	80.000	0.000	100.0#	0	-7.58#
3	MA	gamma-BHC	80.000	0.000	100.0#	0	-8.61#
4	MA	Heptachlor	80.000	0.000	100.0#	0	-9.85#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-13.50#
13	MA	Dieldrin	160.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	160.000	0.000	100.0#	0	-15.11#
16	A	4,4'-DDD	160.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	160.000	0.000	100.0#	0	-16.50#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-18.51#
22	L10	Toxaphene {1}	2000.000	101.830	94.9#	0	-15.98#
23	L10	Toxaphene {2}	2000.000	160.381	92.0#	0	-16.73#
24	L10	Toxaphene {3}	2000.000	158.009	92.1#	0	-16.93#
25	L10	Toxaphene {4}	2000.000	123.839	93.8#	0	-18.10#
26	L10	Toxaphene {5}	2000.000	186.121	90.7#	0	-18.38#
27	L11	Chlordane {1}	500.000	0.000	100.0#	0	-9.44#
28	L11	Chlordane {2}	500.000	-39.444	107.9#	0	-11.27#
29	L11	Chlordane {3}	500.000	0.000	100.0#	0	-12.97#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD1A.CH Vial: 71
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD2B.CH
Acq On : 30 Jun 2004 12:47 am Operator: JMZ
Sample : INDB-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
30	L11 Chlordane {4}	500.000	0.000	100.0#	0	-13.25#
31	L11 Chlordane {5}	500.000	0.000	100.0#	0	-13.40#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD1A.CH Vial: 71
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD2B.CH
Acq On : 30 Jun 2004 12:47 am Operator: JMZ
Sample : INDB-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:25 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	SA TCMX	4.29	5.82	5068890	6311073	87.420	89.397
	Spiked Amount 50.000	Range 30 - 150		Recovery =		174.84%#	178.79%#
32)	SA DCB	18.96	22.48	12663803	10307427	142.901	142.052
	Spiked Amount 50.000	Range 30 - 150		Recovery =		285.80%#	284.10%#
	Target Compounds						
5)	MB Aldrin	8.29	10.75	6306780	7052631	77.522	84.776
6)	B beta-BHC	6.63	8.92	3201124	3904285	82.198	81.031
7)	B delta-BHC	7.06	9.76	6655109	8305050	78.349	82.837
8)	B Hept epoxide	9.96	12.43	5884485	6419128	79.469	79.398
10)	B gamma-Chlordane	10.30	12.97	6338561	6671950	81.662	79.234
11)	B alpha-Chlordane	10.67	13.40	6556019	6801128	81.163	77.989
12)	B 4,4'-DDE	11.07	14.02	11666575	11874970	163.614	161.866
15)	B Endosulfan II	12.86	15.73	10322530	10460515	157.448	152.051
18)	B Endrin aldehyde	14.04	16.70	8361618	7971710	143.785	141.882
19)	B Endo sulfate	15.22	17.47	9546995	9389120	152.576	150.710
21)	B Endrin ketone	15.92	18.89	9848387	9435089	150.622	145.287
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

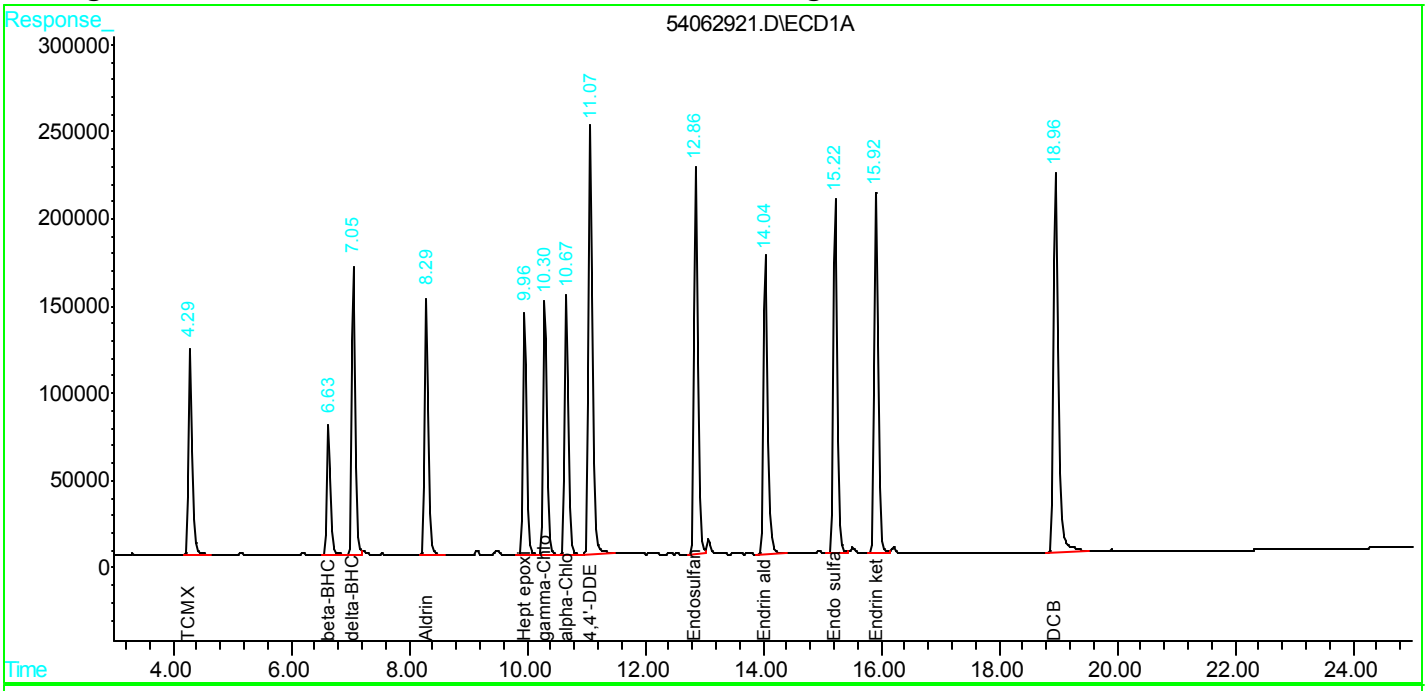
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
54062921.D 56084601.M Wed Jun 30 08:37:59 2004 Page 1

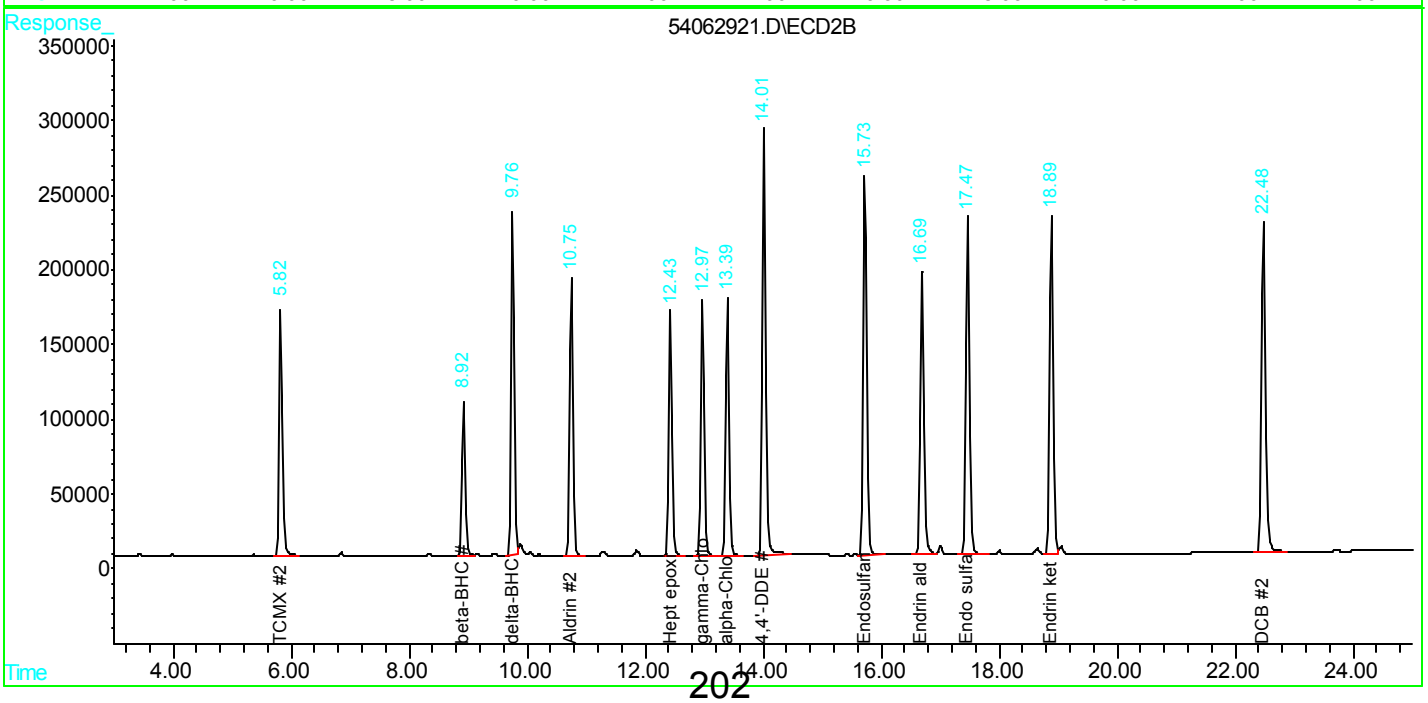
Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD1A.CH Vial: 71
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062921.D\ECD2B.CH
Acq On : 30 Jun 2004 12:47 am Operator: JMZ
Sample : INDB-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:25 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD1A.CH Vial: 72
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD2B.CH
Acq On : 30 Jun 2004 1:16 am Operator: JMZ
Sample : TOXA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	80.000	210.146	-162.7#	254	0.00
22	L10 Toxaphene {1}	2000.000	2143.724	-7.2	105	0.00
23	L10 Toxaphene {2}	2000.000	2008.454	-0.4	98	0.00
24	L10 Toxaphene {3}	2000.000	1801.492	9.9	87	0.00
25	L10 Toxaphene {4}	2000.000	1753.930	12.3	86	0.00
26	L10 Toxaphene {5}	2000.000	1629.348	18.5#	78	0.00
32	SA DCB	160.000	188.090	-17.6#	111	0.00

Signal #2

1	SA TCMX	80.000	206.405	-158.0#	260	0.00
22	L10 Toxaphene {1}	2000.000	1975.769	1.2	96	0.00
23	L10 Toxaphene {2}	2000.000	1946.188	2.7	96	0.00
24	L10 Toxaphene {3}	2000.000	1917.559	4.1	96	0.00
25	L10 Toxaphene {4}	2000.000	1795.816	10.2	87	0.00
26	L10 Toxaphene {5}	2000.000	1622.877	18.9#	77	0.00
32	SA DCB	160.000	189.538	-18.5#	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062922.D 56084601.M Wed Jun 30 08:39:29 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD1A.CH Vial: 72
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD2B.CH
Acq On : 30 Jun 2004 1:16 am Operator: JMZ
Sample : TOXA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	80.000	3.245	95.9#	0	-5.56#
3	MA	gamma-BHC	80.000	2.543	96.8#	0	-6.35#
4	MA	Heptachlor	80.000	0.000	100.0#	0	-7.54#
5	MB	Aldrin	80.000	-3.509	104.4#	0	-8.29#
6	B	beta-BHC	80.000	0.000	100.0#	0	-6.64#
7	B	delta-BHC	80.000	3.743	95.3#	0	-7.06#
8	B	Hept epoxide	80.000	0.000	100.0#	0	-9.96#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-10.98#
10	B	gamma-Chlordane	80.000	0.000	100.0#	0	-10.31#
11	B	alpha-Chlordane	80.000	0.000	100.0#	0	-10.67#
12	B	4,4'-DDE	160.000	0.951	99.4#	0	-11.07#
13	MA	Dieldrin	160.000	0.000	100.0#	0	-11.64#
14	MA	Endrin	160.000	0.000	100.0#	0	-12.23#
15	B	Endosulfan II	160.000	0.000	100.0#	0	-12.86#
16	A	4,4'-DDD	160.000	1.888	98.8#	0	-12.70#
17	MA	4,4'-DDT	160.000	5.881	96.3#	0	-13.45#
18	B	Endrin aldehyde	160.000	0.000	100.0#	0	-14.04#
19	B	Endo sulfate	160.000	0.000	100.0#	0	-15.22#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-14.95#
21	B	Endrin ketone	160.000	0.000	100.0#	0	-15.91#
27	L11	Chlordane {1}	500.000	0.000	100.0#	0	-7.33#
28	L11	Chlordane {2}	500.000	0.000	100.0#	0	-8.75#
29	L11	Chlordane {3}	500.000	11.282	97.7#	0	-10.31#
30	L11	Chlordane {4}	500.000	7.878	98.4#	0	-10.66#
31	L11	Chlordane {5}	500.000	23.681	95.3#	0	-12.66#

Signal #2

2	A	alpha-BHC	80.000	0.809	99.0#	0	-7.58#
3	MA	gamma-BHC	80.000	0.260	99.7#	0	-8.61#
4	MA	Heptachlor	80.000	-5.653	107.1#	0	-9.85#
5	MB	Aldrin	80.000	0.000	100.0#	0	-10.75#
6	B	beta-BHC	80.000	0.000	100.0#	0	-8.92#
7	B	delta-BHC	80.000	0.806	99.0#	0	-9.76#
8	B	Hept epoxide	80.000	0.000	100.0#	0	-12.43#
9	A	Endosulfan I	80.000	0.000	100.0#	0	-13.50#
10	B	gamma-Chlordane	80.000	0.000	100.0#	0	-12.98#
11	B	alpha-Chlordane	80.000	0.000	100.0#	0	-13.40#
12	B	4,4'-DDE	160.000	0.000	100.0#	0	-14.02#

(#) = Out of Range

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD1A.CH Vial: 72
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD2B.CH
Acq On : 30 Jun 2004 1:16 am Operator: JMZ
Sample : TOXA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
13	MA	Dieldrin	160.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	160.000	0.000	100.0#	0	-15.11#
15	B	Endosulfan II	160.000	0.000	100.0#	0	-15.73#
16	A	4,4'-DDD	160.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	160.000	2.659	98.3#	0	-16.50#
18	B	Endrin aldehyde	160.000	0.000	100.0#	0	-16.70#
19	B	Endo sulfate	160.000	0.000	100.0#	0	-17.47#
20	A	Methoxychlor	800.000	0.000	100.0#	0	-18.51#
21	B	Endrin ketone	160.000	0.000	100.0#	0	-18.89#
27	L11	Chlordane {1}	500.000	0.000	100.0#	0	-9.44#
28	L11	Chlordane {2}	500.000	-39.444	107.9#	0	-11.27#
29	L11	Chlordane {3}	500.000	0.000	100.0#	0	-12.97#
30	L11	Chlordane {4}	500.000	0.000	100.0#	0	-13.25#
31	L11	Chlordane {5}	500.000	0.000	100.0#	0	-13.40#

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD1A.CH Vial: 72
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD2B.CH
Acq On : 30 Jun 2004 1:16 am Operator: JMZ
Sample : TOXA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:38 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

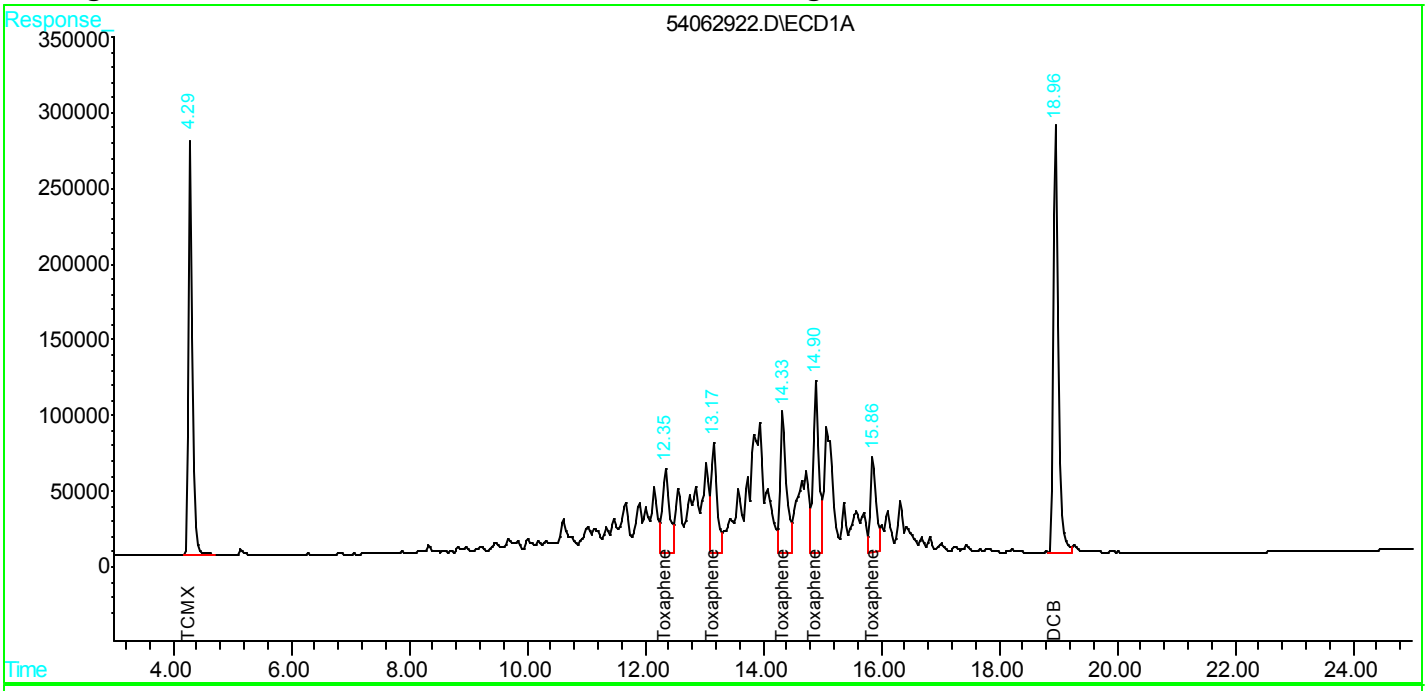
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

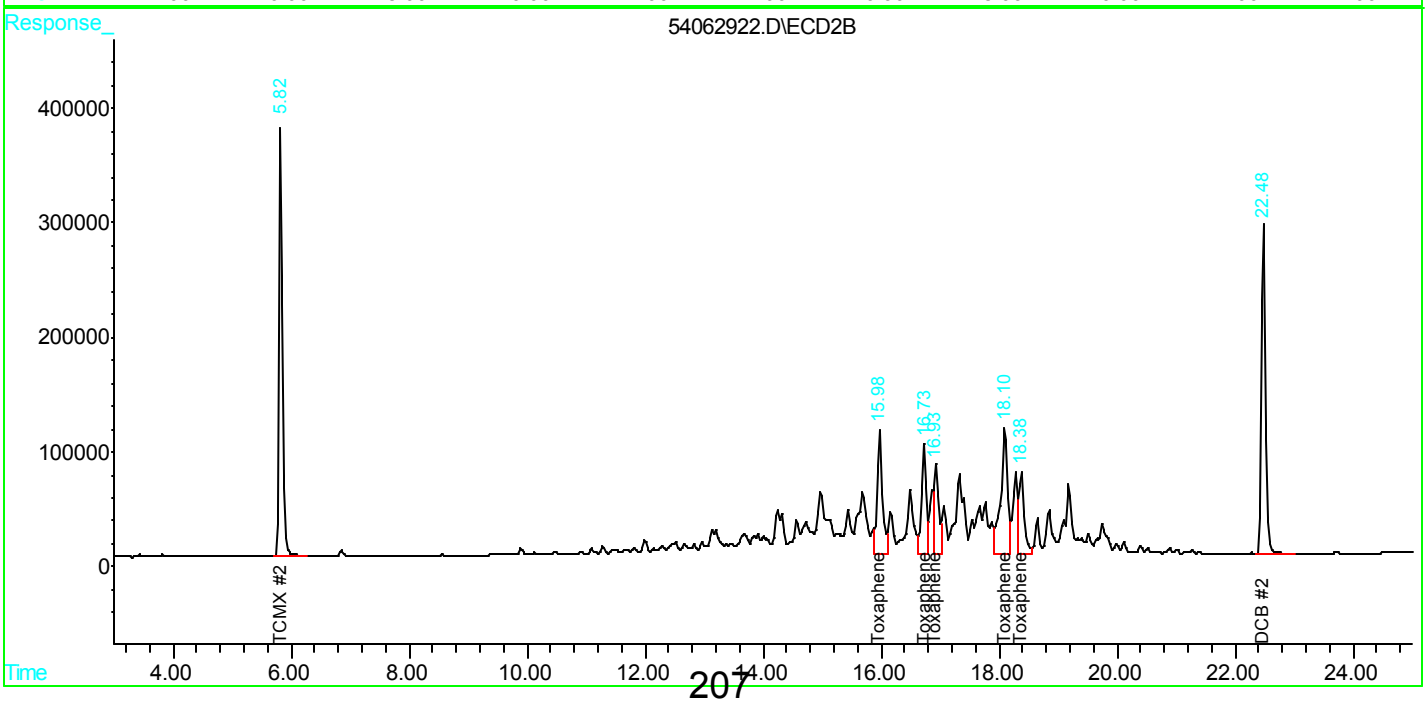
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29	5.82	12184965	14571329	210.146	206.405
Spiked Amount 50.000	Range 30 - 150		Recovery =		420.29%#	412.81%#
32) SA DCB	18.96	22.48	16370915	13452339	188.090	189.538
Spiked Amount 50.000	Range 30 - 150		Recovery =		376.18%#	379.08%#
Target Compounds						
22) L10 Toxaphene {1}	12.35	15.98	4590125	6309370	2143.724	1975.769
23) L10 Toxaphene {2}	13.17	16.73	5215302	5188273	2008.454	1946.188
24) L10 Toxaphene {3}	14.33	16.93	6676635	4218248	1801.492	1917.559
25) L10 Toxaphene {4}	14.90	18.10	7478636	8846156	1753.930	1795.816
26) L10 Toxaphene {5}	15.86	18.38	4020556	4190184	1629.348	1622.877
Sum Toxaphene			27981255	28752231	9336.949	9258.209
Average Toxaphene					1867.390	1851.642
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD1A.CH Vial: 72
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062922.D\ECD2B.CH
Acq On : 30 Jun 2004 1:16 am Operator: JMZ
Sample : TOXA-05 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:38 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD1A.CH Vial: 73
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD2B.CH
Acq On : 30 Jun 2004 1:45 am Operator: JMZ
Sample : CHLO-04 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	SA TCMX	40.000	53.235	-33.1#	129	0.00
27	L11 Chlordane {1}	250.000	223.883	10.4	95	0.00
28	L11 Chlordane {2}	250.000	244.042	2.4	95	0.00
29	L11 Chlordane {3}	250.000	238.511	4.6	98	0.00
30	L11 Chlordane {4}	250.000	239.358	4.3	96	0.00
31	L11 Chlordane {5}	250.000	197.196	21.1#	86	0.00
32	SA DCB	80.000	43.473	45.7#	57	0.00

Signal #2

1	SA TCMX	40.000	56.131	-40.3#	138	0.00
27	L11 Chlordane {1}	250.000	254.864	-1.9	104	0.00
28	L11 Chlordane {2}	250.000	279.123	-11.6	109	0.00
29	L11 Chlordane {3}	250.000	264.744	-5.9	102	0.00
30	L11 Chlordane {4}	250.000	236.013	5.6	95	0.00
31	L11 Chlordane {5}	250.000	261.522	-4.6	100	0.00
32	SA DCB	80.000	44.245	44.7#	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062923.D 56084601.M Wed Jun 30 08:40:42 2004 Page 1

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD1A.CH Vial: 73
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD2B.CH
Acq On : 30 Jun 2004 1:45 am Operator: JMZ
Sample : CHLO-04 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	A	alpha-BHC	40.000	3.245	91.9#	0	-5.56#
3	MA	gamma-BHC	40.000	2.543	93.6#	0	-6.35#
4	MA	Heptachlor	40.000	0.000	100.0#	0	-7.54#
5	MB	Aldrin	40.000	-3.509	108.8#	0	-8.29#
6	B	beta-BHC	40.000	0.000	100.0#	0	-6.64#
7	B	delta-BHC	40.000	3.743	90.6#	0	-7.06#
8	B	Hept epoxide	40.000	0.000	100.0#	0	-9.96#
9	A	Endosulfan I	40.000	0.000	100.0#	0	-10.98#
10	B	gamma-Chlordane	40.000	0.000	100.0#	0	-10.31#
11	B	alpha-Chlordane	40.000	0.000	100.0#	0	-10.67#
12	B	4,4'-DDE	80.000	0.951	98.8#	0	-11.07#
13	MA	Dieldrin	80.000	0.000	100.0#	0	-11.64#
14	MA	Endrin	80.000	0.000	100.0#	0	-12.23#
15	B	Endosulfan II	80.000	0.000	100.0#	0	-12.86#
16	A	4,4'-DDD	80.000	1.888	97.6#	0	-12.70#
17	MA	4,4'-DDT	80.000	5.881	92.6#	0	-13.45#
18	B	Endrin aldehyde	80.000	0.000	100.0#	0	-14.04#
19	B	Endo sulfate	80.000	0.000	100.0#	0	-15.22#
20	A	Methoxychlor	400.000	0.000	100.0#	0	-14.95#
21	B	Endrin ketone	80.000	0.000	100.0#	0	-15.91#
22	L10	Toxaphene {1}	1500.000	235.198	84.3#	0	-12.35#
23	L10	Toxaphene {2}	1500.000	193.908	87.1#	0	-13.17#
24	L10	Toxaphene {3}	1500.000	172.281	88.5#	0	-14.33#
25	L10	Toxaphene {4}	1500.000	158.808	89.4#	0	-14.90#
26	L10	Toxaphene {5}	1500.000	204.682	86.4#	0	-15.86#

Signal #2

2	A	alpha-BHC	40.000	0.809	98.0#	0	-7.58#
3	MA	gamma-BHC	40.000	0.260	99.4#	0	-8.61#
4	MA	Heptachlor	40.000	-5.653	114.1#	0	-9.85#
5	MB	Aldrin	40.000	0.000	100.0#	0	-10.75#
6	B	beta-BHC	40.000	0.000	100.0#	0	-8.92#
7	B	delta-BHC	40.000	0.806	98.0#	0	-9.76#
8	B	Hept epoxide	40.000	0.000	100.0#	0	-12.43#
9	A	Endosulfan I	40.000	0.000	100.0#	0	-13.50#
10	B	gamma-Chlordane	40.000	0.000	100.0#	0	-12.98#
11	B	alpha-Chlordane	40.000	0.000	100.0#	0	-13.40#
12	B	4,4'-DDE	80.000	0.000	100.0#	0	-14.02#

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD1A.CH Vial: 73
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD2B.CH
Acq On : 30 Jun 2004 1:45 am Operator: JMZ
Sample : CHLO-04 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : E:\HPCHEM\1\METHODS\QUANTITATION METHODS\PESTICIDES\56084601.M
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
13	MA	Dieldrin	80.000	0.000	100.0#	0	-14.28#
14	MA	Endrin	80.000	0.000	100.0#	0	-15.11#
15	B	Endosulfan II	80.000	0.000	100.0#	0	-15.73#
16	A	4,4'-DDD	80.000	0.000	100.0#	0	-15.64#
17	MA	4,4'-DDT	80.000	2.659	96.7#	0	-16.50#
18	B	Endrin aldehyde	80.000	0.000	100.0#	0	-16.70#
19	B	Endo sulfate	80.000	0.000	100.0#	0	-17.47#
20	A	Methoxychlor	400.000	0.000	100.0#	0	-18.51#
21	B	Endrin ketone	80.000	0.000	100.0#	0	-18.89#
22	L10	Toxaphene {1}	1500.000	101.830	93.2#	0	-15.98#
23	L10	Toxaphene {2}	1500.000	160.381	89.3#	0	-16.73#
24	L10	Toxaphene {3}	1500.000	158.009	89.5#	0	-16.93#
25	L10	Toxaphene {4}	1500.000	123.839	91.7#	0	-18.10#
26	L10	Toxaphene {5}	1500.000	186.121	87.6#	0	-18.38#

(#) = Out of Range SPCC's out = 0 CCC's out = 0
54062923.D 56084601.M Wed Jun 30 08:40:43 2004 Page 3

Quantitation Report (QT Reviewed)

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD1A.CH Vial: 73
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD2B.CH
Acq On : 30 Jun 2004 1:45 am Operator: JMZ
Sample : CHLO-04 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:40 2004 Quant Results File: 56084601.RES

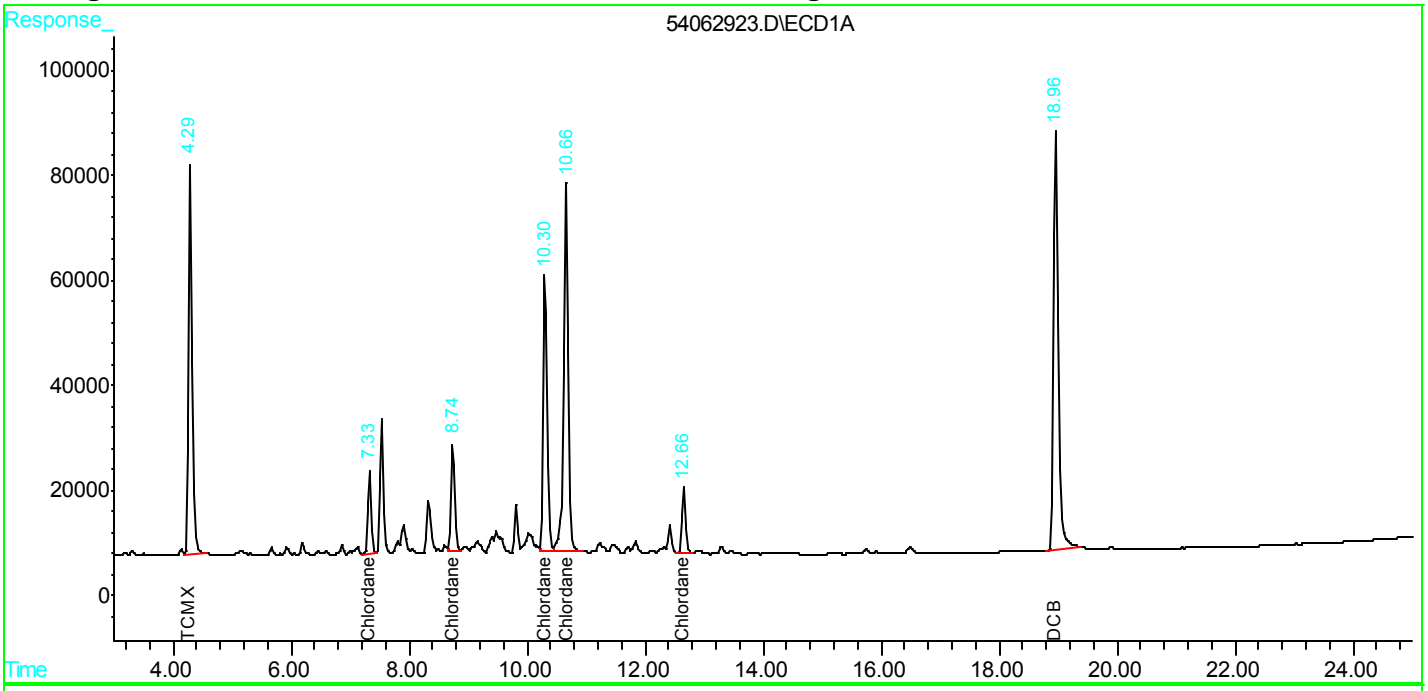
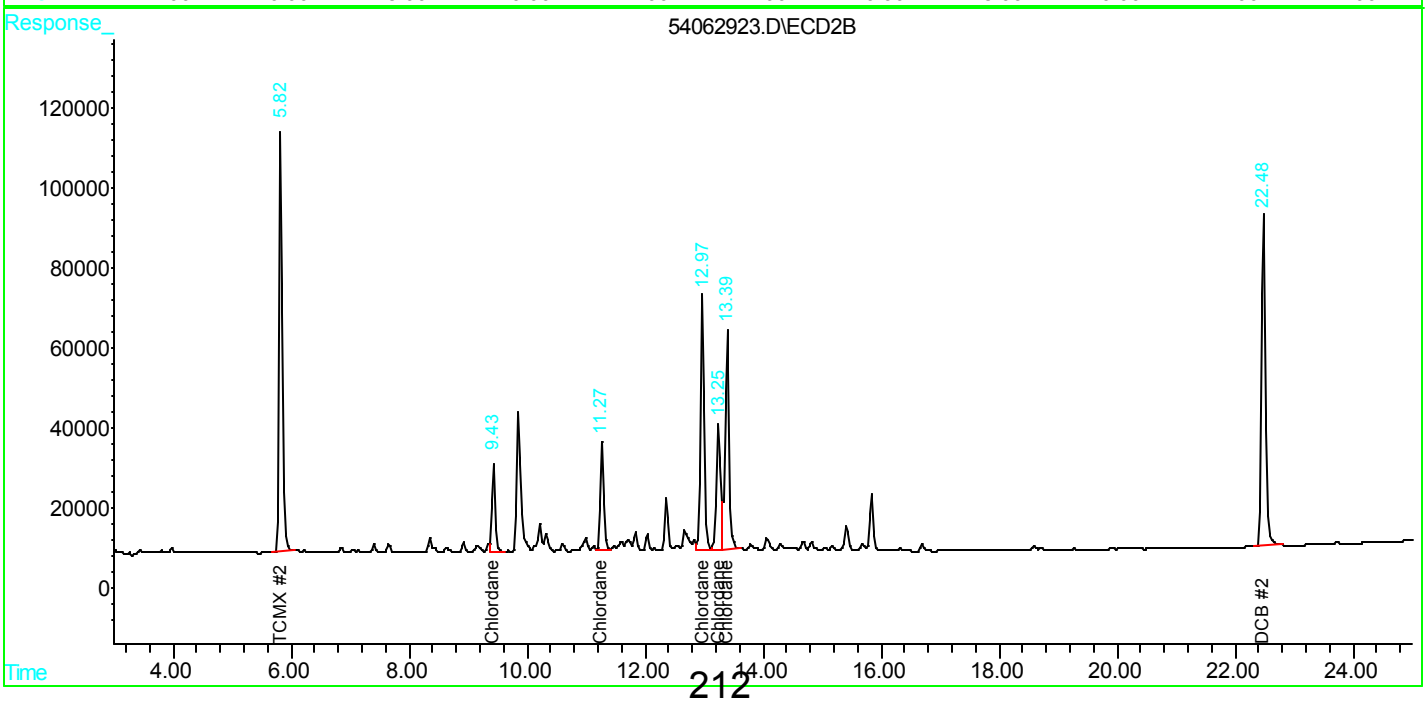
Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Initial Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) SA TCMX	4.29	5.82	3086719	3962586	53.235	56.131
Spiked Amount 50.000	Range 30 - 150		Recovery =		106.47%	112.26%
32) SA DCB	18.96	22.48	4507180	3829864	43.473	44.245
Spiked Amount 50.000	Range 30 - 150		Recovery =		86.95%	88.49%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
27) L11 Chlordane {1}	7.33	9.43	582035	812771	223.883	254.864
28) L11 Chlordane {2}	8.74	11.27	875733	1113156	244.042	279.123
29) L11 Chlordane {3}	10.31	12.97	2377729	2625701	238.511	264.744
30) L11 Chlordane {4}	10.66	13.25	3628262	1485778	239.358	236.013
31) L11 Chlordane {5}	12.66	13.40	523547	2445103	197.196	261.522 #
Sum Chlordane			7987306	8482509	1142.990	1296.266
Average Chlordane					228.598	259.253

Quantitation Report

Signal #1 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD1A.CH Vial: 73
Signal #2 : E:\HPCHEM\1\DATA\540628B\54062923.D\ECD2B.CH
Acq On : 30 Jun 2004 1:45 am Operator: JMZ
Sample : CHLO-04 Inst : GC-5
Misc : CCV 8081_TCL_S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Jun 30 8:40 2004 Quant Results File: 56084601.RES

Quant Method : E:\HPCHEM\1...\56084601.M (Chemstation Integrator)
Title : 8081 &608 5/28/04 update from 6084412
Last Update : Wed Jun 30 08:20:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : RTXCLP.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :