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Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,1-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,1-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2-Dibromoethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,2-Dichloropropane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
2-Butanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
2-Hexanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
4-Methyl-2-pentanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Acetone	BRL	100		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Benzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Bromodichloromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Bromoform	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Bromomethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Carbon disulfide	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Carbon tetrachloride	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Chlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Chloroethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Chloroform	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Chloromethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Cyclohexane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Dibromochloromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Dichlorodifluoromethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Ethylbenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Freon-113	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Isopropylbenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
m,p-Xylene	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Methyl acetate	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Methylcyclohexane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Methylene chloride	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
o-Xylene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Styrene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Tetrachloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Toluene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Trichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Trichlorofluoromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Vinyl chloride	BRL	10		µg/Kg	47532	1	7/12/2004 12:18:00 PM
Surr: 4-Bromofluorobenzene	67.7	65.3-133		%REC	47532	1	7/12/2004 12:18:00 PM
Surr: Dibromofluoromethane	98.5	80.1-121		%REC	47532	1	7/12/2004 12:18:00 PM
Surr: Toluene-d8	90.2	67.8-145		%REC	47532	1	7/12/2004 12:18:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TOTAL MERCURY		**SW7471A**			**(SW7471A)**		Analyst: **EM**
Mercury	BRL	0.0901		mg/Kg	47528	1	7/9/2004 2:16:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
1,1'-Biphenyl	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4,5-Trichlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4,6-Trichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4-Dichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4-Dimethylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4-Dinitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,4-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2,6-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Chloronaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Chlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Methylnaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
2-Nitrophenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
3,3´-Dichlorobenzidine	BRL	670		µg/Kg	47515	1	7/9/2004 2:44:00 PM
3-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4,6-Dinitro-2-methylphenol	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Bromophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Chloro-3-methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Chloroaniline	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Chlorophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
4-Nitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Acenaphthene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Acenaphthylene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Acetophenone	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Atrazine	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benz(a)anthracene	1100	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benzaldehyde	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benzo(a)pyrene	1200	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benzo(b)fluoranthene	1500	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benzo(g,h,i)perylene	450	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Benzo(k)fluoranthene	890	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Bis(2-chloroethoxy)methane	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Bis(2-chloroethyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
Bis(2-chloroisopropyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Bis(2-ethylhexyl)phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Butyl benzyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Caprolactam	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Carbazole	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Chrysene	1200	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Dibenz(a,h)anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Dibenzofuran	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Diethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Dimethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Di-n-butyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Di-n-octyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Fluoranthene	2700	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Fluorene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Hexachlorobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Hexachlorobutadiene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Hexachlorocyclopentadiene	BRL	660		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Hexachloroethane	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Indeno(1,2,3-cd)pyrene	810	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Isophorone	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Naphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Nitrobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
N-Nitrosodi-n-propylamine	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
N-Nitrosodiphenylamine	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Pentachlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Phenanthrene	1200	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Phenol	BRL	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Pyrene	1600	330		µg/Kg	47515	1	7/9/2004 2:44:00 PM
Surr: 2,4,6-Tribromophenol	78.1	35.5-131		%REC	47515	1	7/9/2004 2:44:00 PM
Surr: 2-Fluorobiphenyl	67.6	12.9-120		%REC	47515	1	7/9/2004 2:44:00 PM
Surr: 2-Fluorophenol	63.8	10-119		%REC	47515	1	7/9/2004 2:44:00 PM
Surr: 4-Terphenyl-d14	60.1	41.5-128		%REC	47515	1	7/9/2004 2:44:00 PM
Surr: Nitrobenzene-d5	68.5	10-121		%REC	47515	1	7/9/2004 2:44:00 PM
Surr: Phenol-d5	58.8	12.6-121		%REC	47515	1	7/9/2004 2:44:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001C	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
IGNITABILITY		**SW1010**					Analyst: **LW**
Ignitability	>200	0		°F	47615	1	7/13/2004 7:45:00 AM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **VS**
Cyanide,Reactive	BRL	0.862		mg/Kg	47621	1	7/12/2004 5:20:00 PM
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **VS**
Sulfide, Reactive	BRL	20.0		mg/Kg	47592	1	7/11/2004 1:50:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	06.70	0.01		pH Units	47589	1	4/12/2004 1:50:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-15
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:34:00 PM
Lab ID:	0407302-001D	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	11600	48.3		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Antimony	BRL	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Arsenic	BRL	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Barium	99.0	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Beryllium	BRL	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Cadmium	BRL	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Calcium	3960	48.3		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Chromium	24.8	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Cobalt	6.83	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Copper	88.7	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Iron	25600	483		mg/Kg	47520	10	7/10/2004 3:11:00 AM
Lead	206	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Magnesium	1660	48.3		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Manganese	354	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Molybdenum	BRL	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Nickel	11.0	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Potassium	2070	967		mg/Kg	47520	10	7/10/2004 3:11:00 AM
Selenium	BRL	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Silver	BRL	2.42		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Sodium	BRL	96.7		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Thallium	BRL	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Tin	13.4	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Titanium	546	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Vanadium	42.7	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 AM
Zinc	564	4.83		mg/Kg	47520	1	7/10/2004 1:22:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-17
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:37:00 PM
Lab ID:	0407302-002A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,1-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,1-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2-Dibromoethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,2-Dichloropropane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
2-Butanone	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
2-Hexanone	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
4-Methyl-2-pentanone	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Acetone	BRL	100		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Benzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Bromodichloromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Bromoform	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Bromomethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Carbon disulfide	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Carbon tetrachloride	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Chlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Chloroethane	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Chloroform	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Chloromethane	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Cyclohexane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Dibromochloromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Dichlorodifluoromethane	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Ethylbenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Freon-113	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Isopropylbenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
m,p-Xylene	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Methyl acetate	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Methylcyclohexane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Methylene chloride	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-17
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:37:00 PM
Lab ID:	0407302-002A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
o-Xylene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Styrene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Tetrachloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Toluene	7.2	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Trichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Trichlorofluoromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Vinyl chloride	BRL	10		µg/Kg	47532	1	7/9/2004 4:23:00 PM
Surr: 4-Bromofluorobenzene	68.3	65.3-133		%REC	47532	1	7/9/2004 4:23:00 PM
Surr: Dibromofluoromethane	90.0	80.1-121		%REC	47532	1	7/9/2004 4:23:00 PM
Surr: Toluene-d8	92.9	67.8-145		%REC	47532	1	7/9/2004 4:23:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-18
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:40:00 PM
Lab ID:	0407302-003A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TOTAL MERCURY		**SW7471A**			**(SW7471A)**		Analyst: **EM**
Mercury	BRL	0.0931		mg/Kg	47528	1	7/9/2004 2:16:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
1,1'-Biphenyl	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4,5-Trichlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4,6-Trichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4-Dichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4-Dimethylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4-Dinitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,4-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2,6-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Chloronaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Chlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Methylnaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
2-Nitrophenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
3,3´-Dichlorobenzidine	BRL	670		µg/Kg	47515	1	7/9/2004 3:22:00 PM
3-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4,6-Dinitro-2-methylphenol	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Bromophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Chloro-3-methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Chloroaniline	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Chlorophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
4-Nitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Acenaphthene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Acenaphthylene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Acetophenone	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Atrazine	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benz(a)anthracene	390	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benzaldehyde	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benzo(a)pyrene	390	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benzo(b)fluoranthene	870	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benzo(g,h,i)perylene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Benzo(k)fluoranthene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Bis(2-chloroethoxy)methane	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Bis(2-chloroethyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-18
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:40:00 PM
Lab ID:	0407302-003A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
Bis(2-chloroisopropyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Bis(2-ethylhexyl)phthalate	920	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Butyl benzyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Caprolactam	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Carbazole	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Chrysene	440	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Dibenz(a,h)anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Dibenzofuran	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Diethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Dimethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Di-n-butyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Di-n-octyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Fluoranthene	1100	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Fluorene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Hexachlorobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Hexachlorobutadiene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Hexachlorocyclopentadiene	BRL	660		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Hexachloroethane	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Indeno(1,2,3-cd)pyrene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Isophorone	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Naphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Nitrobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
N-Nitrosodi-n-propylamine	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
N-Nitrosodiphenylamine	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Pentachlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Phenanthrene	540	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Phenol	BRL	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Pyrene	490	330		µg/Kg	47515	1	7/9/2004 3:22:00 PM
Surr: 2,4,6-Tribromophenol	77.4	35.5-131		%REC	47515	1	7/9/2004 3:22:00 PM
Surr: 2-Fluorobiphenyl	69.0	12.9-120		%REC	47515	1	7/9/2004 3:22:00 PM
Surr: 2-Fluorophenol	62.3	10-119		%REC	47515	1	7/9/2004 3:22:00 PM
Surr: 4-Terphenyl-d14	48.7	41.5-128		%REC	47515	1	7/9/2004 3:22:00 PM
Surr: Nitrobenzene-d5	70.2	10-121		%REC	47515	1	7/9/2004 3:22:00 PM
Surr: Phenol-d5	59.7	12.6-121		%REC	47515	1	7/9/2004 3:22:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-18
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:40:00 PM
Lab ID:	0407302-003B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
IGNITABILITY		**SW1010**					Analyst: **LW**
Ignitability	>200	0		°F	47615	1	7/13/2004 7:45:00 AM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **VS**
Cyanide,Reactive	BRL	0.870		mg/Kg	47621	1	7/12/2004 5:20:00 PM
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **VS**
Sulfide, Reactive	BRL	20.0		mg/Kg	47592	1	7/11/2004 1:50:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	07.16	0.01		pH Units	47589	1	4/12/2004 1:50:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-18
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:40:00 PM
Lab ID:	0407302-003C	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	9120	41.2		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Antimony	BRL	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Arsenic	4.37	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Barium	112	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Beryllium	BRL	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Cadmium	3.82	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Calcium	15900	41.2		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Chromium	49.8	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Cobalt	5.10	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Copper	304	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Iron	33500	412		mg/Kg	47520	10	7/10/2004 2:58:00 AM
Lead	339	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Magnesium	4990	41.2		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Manganese	372	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Molybdenum	BRL	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Nickel	27.5	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Potassium	2260	823		mg/Kg	47520	10	7/10/2004 2:58:00 AM
Selenium	BRL	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Silver	BRL	2.06		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Sodium	277	82.3		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Thallium	BRL	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Tin	42.1	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Titanium	474	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Vanadium	18.8	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 AM
Zinc	1170	4.12		mg/Kg	47520	1	7/10/2004 1:09:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-19
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:42:00 PM
Lab ID:	0407302-004A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,1-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,1-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2-Dibromoethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,2-Dichloropropane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
2-Butanone	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
2-Hexanone	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
4-Methyl-2-pentanone	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Acetone	BRL	100		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Benzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Bromodichloromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Bromoform	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Bromomethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Carbon disulfide	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Carbon tetrachloride	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Chlorobenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Chloroethane	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Chloroform	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Chloromethane	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Cyclohexane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Dibromochloromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Dichlorodifluoromethane	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Ethylbenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Freon-113	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Isopropylbenzene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
m,p-Xylene	80	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Methyl acetate	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Methylcyclohexane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Methylene chloride	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-19
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:42:00 PM
Lab ID:	0407302-004A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
o-Xylene	25	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Styrene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Tetrachloroethene	180	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Toluene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Trichloroethene	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Trichlorofluoromethane	BRL	5.0		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Vinyl chloride	BRL	10		µg/Kg	47532	1	7/9/2004 3:54:00 PM
Surr: 4-Bromofluorobenzene	93.4	65.3-133		%REC	47532	1	7/9/2004 3:54:00 PM
Surr: Dibromofluoromethane	94.8	80.1-121		%REC	47532	1	7/9/2004 3:54:00 PM
Surr: Toluene-d8	85.9	67.8-145		%REC	47532	1	7/9/2004 3:54:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-20
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:44:00 PM
Lab ID:	0407302-005A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TOTAL MERCURY		**SW7471A**			**(SW7471A)**		Analyst: **EM**
Mercury	BRL	0.0936		mg/Kg	47528	1	7/9/2004 2:16:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
1,1'-Biphenyl	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4,5-Trichlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4,6-Trichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4-Dichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4-Dimethylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4-Dinitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,4-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2,6-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Chloronaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Chlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Methylnaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
2-Nitrophenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
3,3´-Dichlorobenzidine	BRL	670		µg/Kg	47515	1	7/9/2004 12:51:00 PM
3-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4,6-Dinitro-2-methylphenol	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Bromophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Chloro-3-methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Chloroaniline	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Chlorophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
4-Nitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Acenaphthene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Acenaphthylene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Acetophenone	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Atrazine	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benz(a)anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benzaldehyde	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benzo(a)pyrene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benzo(b)fluoranthene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benzo(g,h,i)perylene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Benzo(k)fluoranthene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Bis(2-chloroethoxy)methane	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Bis(2-chloroethyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-20
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:44:00 PM
Lab ID:	0407302-005A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
Bis(2-chloroisopropyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Bis(2-ethylhexyl)phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Butyl benzyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Caprolactam	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Carbazole	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Chrysene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Dibenz(a,h)anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Dibenzofuran	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Diethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Dimethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Di-n-butyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Di-n-octyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Fluoranthene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Fluorene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Hexachlorobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Hexachlorobutadiene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Hexachlorocyclopentadiene	BRL	660		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Hexachloroethane	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Indeno(1,2,3-cd)pyrene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Isophorone	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Naphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Nitrobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
N-Nitrosodi-n-propylamine	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
N-Nitrosodiphenylamine	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Pentachlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Phenanthrene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Phenol	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Pyrene	BRL	330		µg/Kg	47515	1	7/9/2004 12:51:00 PM
Surr: 2,4,6-Tribromophenol	62.7	35.5-131		%REC	47515	1	7/9/2004 12:51:00 PM
Surr: 2-Fluorobiphenyl	56.8	12.9-120		%REC	47515	1	7/9/2004 12:51:00 PM
Surr: 2-Fluorophenol	47.1	10-119		%REC	47515	1	7/9/2004 12:51:00 PM
Surr: 4-Terphenyl-d14	56.7	41.5-128		%REC	47515	1	7/9/2004 12:51:00 PM
Surr: Nitrobenzene-d5	58.9	10-121		%REC	47515	1	7/9/2004 12:51:00 PM
Surr: Phenol-d5	48.7	12.6-121		%REC	47515	1	7/9/2004 12:51:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-20
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:44:00 PM
Lab ID:	0407302-005B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
IGNITABILITY		**SW1010**					Analyst: **LW**
Ignitability	>200	0		°F	47615	1	7/13/2004 7:45:00 AM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **VS**
Cyanide,Reactive	BRL	0.763		mg/Kg	47621	1	7/12/2004 5:20:00 PM
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **VS**
Sulfide, Reactive	38.1	20.0		mg/Kg	47592	1	7/11/2004 1:50:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	06.35	0.01		pH Units	47589	1	4/12/2004 1:50:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-20
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:44:00 PM
Lab ID:	0407302-005C	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	10700	43.7		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Antimony	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Arsenic	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Barium	80.8	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Beryllium	BRL	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Cadmium	BRL	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Calcium	931	43.7		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Chromium	32.4	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Cobalt	9.50	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Copper	41.4	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Iron	28200	437		mg/Kg	47520	10	7/10/2004 3:16:00 AM
Lead	60.8	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Magnesium	3770	43.7		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Manganese	319	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Molybdenum	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Nickel	17.4	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Potassium	5800	875		mg/Kg	47520	10	7/10/2004 3:16:00 AM
Selenium	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Silver	BRL	2.19		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Sodium	103	87.5		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Thallium	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Tin	BRL	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Titanium	1160	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Vanadium	37.0	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 AM
Zinc	222	4.37		mg/Kg	47520	1	7/10/2004 1:27:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-21
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:45:00 PM
Lab ID:	0407302-006A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
1,1,1-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,1-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,1-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2-Dibromoethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2-Dichloroethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,2-Dichloropropane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
2-Butanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
2-Hexanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
4-Methyl-2-pentanone	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Acetone	130	100		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Benzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Bromodichloromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Bromoform	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Bromomethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Carbon disulfide	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Carbon tetrachloride	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Chlorobenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Chloroethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Chloroform	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Chloromethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Cyclohexane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Dibromochloromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Dichlorodifluoromethane	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Ethylbenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Freon-113	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Isopropylbenzene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
m,p-Xylene	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Methyl acetate	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Methylcyclohexane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Methylene chloride	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-21
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:45:00 PM
Lab ID:	0407302-006A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**					Analyst: **NWH**
o-Xylene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Styrene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Tetrachloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Toluene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Trichloroethene	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Trichlorofluoromethane	BRL	5.0		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Vinyl chloride	BRL	10		µg/Kg	47532	1	7/12/2004 12:47:00 PM
Surr: 4-Bromofluorobenzene	58.8	65.3-133	S	%REC	47532	1	7/12/2004 12:47:00 PM
Surr: Dibromofluoromethane	103	80.1-121		%REC	47532	1	7/12/2004 12:47:00 PM
Surr: Toluene-d8	87.8	67.8-145		%REC	47532	1	7/12/2004 12:47:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-22
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:47:00 PM
Lab ID:	0407302-007A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TOTAL MERCURY		**SW7471A**			**(SW7471A)**		Analyst: **EM**
Mercury	0.123	0.0924		mg/Kg	47528	1	7/9/2004 2:16:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
1,1'-Biphenyl	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4,5-Trichlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4,6-Trichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4-Dichlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4-Dimethylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4-Dinitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,4-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2,6-Dinitrotoluene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Chloronaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Chlorophenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Methylnaphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
2-Nitrophenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
3,3´-Dichlorobenzidine	BRL	670		µg/Kg	47515	1	7/9/2004 4:00:00 PM
3-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4,6-Dinitro-2-methylphenol	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Bromophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Chloro-3-methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Chloroaniline	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Chlorophenyl phenyl ether	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Methylphenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Nitroaniline	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
4-Nitrophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Acenaphthene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Acenaphthylene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Acetophenone	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Atrazine	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benz(a)anthracene	460	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benzaldehyde	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benzo(a)pyrene	1000	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benzo(b)fluoranthene	1300	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benzo(g,h,i)perylene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Benzo(k)fluoranthene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Bis(2-chloroethoxy)methane	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Bis(2-chloroethyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-22
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:47:00 PM
Lab ID:	0407302-007A	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**			**(SW3550A)**		Analyst: **YH**
Bis(2-chloroisopropyl)ether	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Bis(2-ethylhexyl)phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Butyl benzyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Caprolactam	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Carbazole	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Chrysene	780	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Dibenz(a,h)anthracene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Dibenzofuran	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Diethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Dimethyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Di-n-butyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Di-n-octyl phthalate	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Fluoranthene	1300	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Fluorene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Hexachlorobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Hexachlorobutadiene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Hexachlorocyclopentadiene	BRL	660		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Hexachloroethane	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Indeno(1,2,3-cd)pyrene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Isophorone	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Naphthalene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Nitrobenzene	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
N-Nitrosodi-n-propylamine	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
N-Nitrosodiphenylamine	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Pentachlorophenol	BRL	1700		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Phenanthrene	630	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Phenol	BRL	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Pyrene	480	330		µg/Kg	47515	1	7/9/2004 4:00:00 PM
Surr: 2,4,6-Tribromophenol	57.6	35.5-131		%REC	47515	1	7/9/2004 4:00:00 PM
Surr: 2-Fluorobiphenyl	51.8	12.9-120		%REC	47515	1	7/9/2004 4:00:00 PM
Surr: 2-Fluorophenol	45.5	10-119		%REC	47515	1	7/9/2004 4:00:00 PM
Surr: 4-Terphenyl-d14	28.6	41.5-128	S	%REC	47515	1	7/9/2004 4:00:00 PM
Surr: Nitrobenzene-d5	56.6	10-121		%REC	47515	1	7/9/2004 4:00:00 PM
Surr: Phenol-d5	41.2	12.6-121		%REC	47515	1	7/9/2004 4:00:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-22
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:47:00 PM
Lab ID:	0407302-007B	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
IGNITABILITY		**SW1010**					Analyst: **LW**
Ignitability	>200	0		°F	47615	1	7/13/2004 7:45:00 AM
CYANIDE, REACTIVE		**SW7.3.3.2**					Analyst: **VS**
Cyanide,Reactive	BRL	0.870		mg/Kg	47621	1	7/12/2004 5:20:00 PM
SULFIDE, REACTIVE		**SW7.3.4.2**					Analyst: **VS**
Sulfide, Reactive	93.5	20.0		mg/Kg	47592	1	7/11/2004 1:50:00 PM
LABORATORY PH		**SW9045C**		**(SW9045C)**			Analyst: **LW**
pH	06.80	0.01		pH Units	47589	1	4/12/2004 1:50:00 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: *23-Jul-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-SS-22
Lab Order:	0407302	**Tag Number:**	
Project:	J&W Drums	**Collection Date:**	7/8/2004 3:47:00 PM
Lab ID:	0407302-007C	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
METALS, TOTAL		**SW6010B**			**(SW3050B)**		Analyst: **CDW**
Aluminum	7030	46.8		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Antimony	BRL	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Arsenic	BRL	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Barium	54.2	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Beryllium	BRL	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Cadmium	BRL	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Calcium	4310	46.8		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Chromium	29.9	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Cobalt	4.14	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Copper	42.6	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Iron	17300	46.8		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Lead	169	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Magnesium	1190	46.8		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Manganese	160	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Molybdenum	BRL	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Nickel	10.1	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Potassium	1630	936		mg/Kg	47520	10	7/10/2004 3:20:00 AM
Selenium	BRL	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Silver	BRL	2.34		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Sodium	135	93.6		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Thallium	BRL	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Tin	6.65	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Titanium	524	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Vanadium	27.4	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 AM
Zinc	1060	4.68		mg/Kg	47520	1	7/10/2004 1:31:00 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

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 12 Jul 2004 12:18 pm
Data File: D:\MSDCHEM\1\DATA\7071204\V7029950.D
Name: 0407302-001A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	143.1	ug/kg	700421	1	5.93	244721	50.0
Acetaldehyde	1.80	14.1	ug/kg	68900	1	5.93	244721	50.0
Pentane	2.39	18.6	ug/kg	90823	1	5.93	244721	50.0
Propylene oxide	2.75	11.9	ug/kg	58504	1	5.93	244721	50.0
Hexane	4.05	9.9	ug/kg	48344	1	5.93	244721	50.0
Butanal	4.85	10.4	ug/kg	50956	1	5.93	244721	50.0
Pentanal	7.68	31.5	ug/kg	219703	2	6.95	348289	50.0
Hexanal	9.88	141.2	ug/kg	951560	3	10.50	336907	50.0

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 2:44 pm
Data File: D:\MSDCHEM\DATA\S40709\S070909.D
Name: 0407302-001B 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Methylene Chloride	0.83	15.8	ng	127973	1	4.07	324271	40.0
Methylene Chloride	2.10	7.6	ng	61925	1	4.07	324271	40.0
9H-Fluoren-9-one	10.12	6.7	ng	118486	4	10.45	707156	40.0
Tetradecanoic acid	10.69	11.4	ng	201371	4	10.45	707156	40.0
Phenanthrene, 3-methyl-	11.54	5.9	ng	104929	4	10.45	707156	40.0
Anthracene, 2-methyl-	11.71	13.2	ng	234190	4	10.45	707156	40.0
Hexadecenoic acid, Z-11-	11.79	11.7	ng	207238	4	10.45	707156	40.0
n-Hexadecanoic acid	11.88	38.8	ng	685430	4	10.45	707156	40.0
9H-Fluoren-9-one	12.16	6.6	ng	117286	4	10.45	707156	40.0
Oxacyclotetradecan-2-one, 13-methyl	12.22	6.1	ng	107294	4	10.45	707156	40.0
Cyclopenta(def)phenanthrenone	12.79	8.5	ng	150383	4	10.45	707156	40.0
Octadecanoic acid	13.50	6.5	ng	221181	5	15.92	1357340	40.0
7H-Benz[de]anthracen-7-one	15.19	7.8	ng	266117	5	15.92	1357340	40.0
Benzo[ghi]fluoranthene	15.47	11.8	ng	401403	5	15.92	1357340	40.0
7H-Benz[de]anthracen-7-one	15.62	7.4	ng	249803	5	15.92	1357340	40.0
Benzo(b)carbazole	16.47	7.7	ng	260898	5	15.92	1357340	40.0
4-Cyclopentene-1,3-dione, 2,4-diphenyl	6.61	6.8	ng	230156	5	15.92	1357340	40.0
Triphenylene, 2-methyl-	16.77	7.4	ng	251410	5	15.92	1357340	40.0
Cyclopentadecane	17.29	9.5	ng	323885	5	15.92	1357340	40.0
9-Octadecenamide, (Z)-	17.98	14.9	ng	540242	6	19.20	1454120	40.0
Benzo[k]fluoranthene	18.91	50.8	ng	1845630	6	19.20	1454120	40.0
Octacosane	21.23	52.3	ng	1900110	6	19.20	1454120	40.0
Eicosane	23.83	13.7	ng	499175	6	19.20	1454120	40.0
.gamma.-Sitosterol	24.28	67.1	ng	2438520	6	19.20	1454120	40.0
Stigmast-4-en-3-one	25.63	60.8	ng	2208710	6	19.20	1454120	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 9 Jul 2004 4:23 pm
Data File: D:\MSDCHEM\1\DATA\7070904\V7029933.D
Name: 0407302-002A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	1396.7	ug/kg	11068000	1	5.93	396227	50.0
Propene	1.44	31.2	ug/kg	247324	1	5.93	396227	50.0
Isobutane	1.59	17.7	ug/kg	140062	1	5.93	396227	50.0
Butane	1.71	31.2	ug/kg	247412	1	5.93	396227	50.0
Butane, 2-methyl-	2.16	25.8	ug/kg	204420	1	5.93	396227	50.0
Pentane	2.39	18.9	ug/kg	149619	1	5.93	396227	50.0
Dodecane, 3-methyl-	12.56	16.7	ug/kg	214724	4	12.45	641419	50.0
Undecane	12.78	202.1	ug/kg	2592690	4	12.45	641419	50.0
Dodecane	12.92	51.3	ug/kg	657836	4	12.45	641419	50.0
Hexadecane, 7,9-dimethyl	12.97	22.6	ug/kg	289323	4	12.45	641419	50.0
Undecane, 3,8-dimethyl	13.00	20.9	ug/kg	268365	4	12.45	641419	50.0
Octadecane, 1-chloro	13.12	19.5	ug/kg	250181	4	12.45	641419	50.0
2,6-Dimethyldecane	13.21	94.5	ug/kg	1211660	4	12.45	641419	50.0
Heptane, 3,3,4-trimethyl	13.24	45.3	ug/kg	580604	4	12.45	641419	50.0
Octane, 3-ethyl-2,7-Dimethyl	13.26	63.9	ug/kg	819769	4	12.45	641419	50.0
Pentane, 2,2-dimethyl	13.32	50.8	ug/kg	651322	4	12.45	641419	50.0
Dodecane	13.51	235.3	ug/kg	3018140	4	12.45	641419	50.0
Benzene, 1,2,4,5-tetramethyl	13.56	19.2	ug/kg	246693	4	12.45	641419	50.0
Dodecane, 6-methyl-	13.61	62.7	ug/kg	804911	4	12.45	641419	50.0
Benzene, 1,4-dimethyl-2(2-methyl)	13.67	25.9	ug/kg	332865	4	12.45	641419	50.0

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 3:22 pm
Data File: D:\MSDCHEM\DATA\S40709\S070910.D
Name: 0407302-003A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| |#	RT	Resp	Conc|
1-Butanol	0.64	6.9	ng	56562	1	4.07	326564	40.0
Methylene Chloride	0.79	4.0	ng	32919	1	4.07	326564	40.0
Methylene Chloride	2.10	4.5	ng	36739	1	4.07	326564	40.0
Perfluoro-1,3-dimethylcyclohexane	5.54	184.4	ng	2086640	2	5.37	452573	40.0
N,N-Dimethyl-2-cyclohexyloxyethylamine	7.91	12.5	ng	168893	3	7.78	540490	40.0
2-Butenoic acid, 2-methoxy-3-methoxy-3-Methyl-, Methylester	8.34	4.1	ng	55997	3	7.78	540490	40.0
1-Dodecanamine, N,N-dimethyl-	9.64	29.2	ng	524443	4	10.45	717916	40.0
Phenol, nonyl-	9.72	5.7	ng	102626	4	10.45	717916	40.0
Phenol, nonyl-	9.79	5.2	ng	93963	4	10.45	717916	40.0
Phenol, 4,4'-(1,2-diethyl-1,2-ethylene)	10.13	6.5	ng	116316	4	10.45	717916	40.0
2-Propenoic acid, 2-methyl-,dodecyl ester	10.22	5.2	ng	92649	4	10.45	717916	40.0
2-Pentene, 2-methyl-5-nitro-	10.39	11.7	ng	210810	4	10.45	717916	40.0
N,N-Dimethyltetradecanamine	11.40	30.9	ng	554605	4	10.45	717916	40.0
Cetrimonium Bromide	13.06	7.4	ng	132019	4	10.45	717916	40.0
Octadecanoic acid	13.51	14.4	ng	419216	5	15.93	1167430	40.0
1H-1,2,4-Triazole 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-	15.03	65.3	ng	1905470	5	15.93	1167430	40.0
1H-1,2,4-Triazole 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-	15.14	87.4	ng	2551850	5	15.93	1167430	40.0
Ethanol, 2-butoxy-, phosphate (3:1)	15.40	17.0	ng	495027	5	15.93	1167430	40.0
Propanoic acid, 3-(4'-chlorophenyl)-3-hydroxy-,t-butyl ester	24.63	63.6	ng	1855680	6	19.27	1167430	40.0
1-Hexen-4-ol, 4-cyclohexyl-3-Methyl-	26.49	66.4	ng	1938830	6	19.27	1167430	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 9 Jul 2004 3:54 pm
Data File: D:\MSDCHEM\1\DATA\7070904\V7029932.D
Name: 0407302-004A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Decane, 3-methyl-	12.31	7.9	ug/kg	9725060	4	12.45	61670700	50.0
Cyclohexane, butyl-	12.38	22.5	ug/kg	27795400	4	12.45	61670700	50.0
Decane, 2-methyl-	12.50	100.9	ug/kg	124476000	4	12.45	61670700	50.0
Decane, 3-methyl-	12.57	75.9	ug/kg	93617400	4	12.45	61670700	50.0
Naphthalene, decahydro	12.73	75.0	ug/kg	92444700	4	12.45	61670700	50.0
Undecane	12.80	197.1	ug/kg	243085000	4	12.45	61670700	50.0
4-Octene, 2,3,7-trimethyl-,[S-(E)]-	12.86	63.9	ug/kg	78782400	4	12.45	61670700	50.0
Cyclohexanone, 2,6-diethyl	12.93	118.7	ug/kg	146355000	4	12.45	61670700	50.0
Tridecane	12.98	42.5	ug/kg	52393900	4	12.45	61670700	50.0
Undecane, 4-methyl-	13.02	25.0	ug/kg	30821200	4	12.45	61670700	50.0
Octadecane, 1-chloro	13.06	16.3	ug/kg	20070400	4	12.45	61670700	50.0
2-Hexyl-1-decanol	13.14	42.2	ug/kg	52109900	4	12.45	61670700	50.0
Ethanone, 1-cyclohexyl	13.22	211.9	ug/kg	261395000	4	12.45	61670700	50.0
Undecane, 2-methyl-	13.27	39.5	ug/kg	48672600	4	12.45	61670700	50.0
Tridecane, 2,5-dimethyl	13.33	39.2	ug/kg	48366100	4	12.45	61670700	50.0
Dodecane	13.52	37.3	ug/kg	46032500	4	12.45	61670700	50.0
Dodecane, 6-methyl-	13.61	8.5	ug/kg	10510800	4	12.45	61670700	50.0

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 12:51 pm
Data File: D:\MSDCHEM\DATA\S40709\S070906.D
Name: 0407302-005A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| #	RT	Resp	Conc|
Methylene Chloride	0.84	24.5	ng	162209	1	4.07	264331	40.0
Methylene Chloride	2.10	5.1	ng	33641	1	4.07	264331	40.0
Acetyl chloride, dichloro	3.13	5.1	ng	33562	1	4.07	264331	40.0
9-Methylbicyclo[3.3.1]nonane	4.42	4.8	ng	31668	1	4.07	264331	40.0
Cycloheptene, 1,2-Dimethyl	4.83	5.5	ng	49581	2	5.36	359915	40.0
1-Decalone (cis-trans)	4.94	4.9	ng	43930	2	5.36	359915	40.0
Nonane, 4-methyl-	5.09	6.3	ng	57046	2	5.36	359915	40.0
Decane, 2,9-dimethyl	5.15	8.4	ng	75462	2	5.36	359915	40.0
Pentadecane	5.20	5.2	ng	47190	2	5.36	359915	40.0
Perfluoro-1,3-dimethylcyclohexane	5.54	9.6	ng	86758	2	5.36	359915	40.0
Tridecanoic acid	11.85	14.9	ng	201293	4	10.43	540993	40.0
Chlorpyrifos	12.21	16.4	ng	221371	4	10.43	540993	40.0
Cyclic octaatomic sulfur	12.73	4.1	ng	55850	4	10.43	540993	40.0
Octadecanoic acid	13.48	4.9	ng	116040	5	15.90	955978	40.0
Benzenemethanol, 4-(diphenylamino)-	17.15	7.8	ng	186983	5	15.90	955978	40.0
Erucylamide	17.96	8.9	ng	304055	6	19.16	1359850	40.0
Octacosane	21.18	16.4	ng	557027	6	19.16	1359850	40.0
Nonacosane	23.80	8.4	ng	287024	6	19.16	1359850	40.0
Lup-20(29)-en-3-one	24.84	32.5	ng	1104940	6	19.16	1359850	40.0
Stigmast-4-en-3-one	25.59	12.9	ng	438021	6	19.16	1359850	40.0

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 12 Jul 2004 12:47 pm
Data File: D:\MSDCHEM\1\DATA\7071204\V7029951.D
Name: 0407302-006A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	1403.7	ug/kg	6876240	1	5.93	244937	50.0
Propene	1.44	20.2	ug/kg	99072	1	5.93	244937	50.0
1-Propene, 2-methyl-	1.69	16.8	ug/kg	82054	1	5.93	244937	50.0
Acetaldehyde	1.79	32.3	ug/kg	158267	1	5.93	244937	50.0
Hexanal	9.88	44.1	ug/kg	235451	3	10.50	266856	50.0

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 4:00 pm
Data File: D:\MSDCHEM\DATA\S40709\S070911.D
Name: 0407302-007A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| #	RT	Resp	Conc|
Methylene Chloride	0.83	14.2	ng	111631	1	4.07	314694	40.0
Cyclopentasiloxane, decamethyl-	5.07	6.9	ng	73627	2	5.37	425540	40.0
Adenine	5.71	7.0	ng	74453	2	5.37	425540	40.0
Benzothiazole	5.75	7.8	ng	83483	2	5.37	425540	40.0
Pyridine, 1,2,5,6-tetrahydrro-1,2-dimethyl	9.50	4.7	ng	76458	4	10.46	653231	40.0
Oxirane, [(hexadecyloxy)methyl]-	9.70	4.4	ng	71639	4	10.46	653231	40.0
3-Phenpropanol, 2'-hydroxy-3',4'-dimethyl	10.14	4.8	ng	77927	4	10.46	653231	40.0
2-Propenoic acid, 2-(acetylamino)-	10.70	4.3	ng	70861	4	10.46	653231	40.0
n-Hexadecanoic acid	11.89	30.0	ng	489899	4	10.46	653231	40.0
2-Mercaptobenzothiazole	12.10	28.4	ng	463855	4	10.46	653231	40.0

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Tetra Tech Work Order Number 0407302

Checklist completed by Ahmet Can 7/8/4
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 4.0°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 _____

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

0407302

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: R
Client No:

Region:	4	Date Shipped:	7/8/2004	**Chain of Custody Record**	Sampler Signature: AL Whitt
Project Code: / Account Code:	G9007E040607	Carrier Name:	Hand Delivery	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	GA984310797	Airbill:		1 AL Whitt 7/8/04 1700	1 Alut Gen Clint 7/8/04 17:00
Spill ID:		Shipped to:	AES	2	
Site Name/State:	J&W Drum Service/GA			3	
Project Leader:	Alan Whitt		() -	4	
Action:					
Sampling Co:	Tetra Tech EM Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		QC Type
JW-SS-15	Soil (0-6")/ Alan Whitt	L/G	CORR (5), Flash (5), IGNIT (5), pH (5), R_CN (5), R_S- (5), SVOCs (5), TAL Metals (5), VOCs (5)	(Ice Only) ~~(9)~~ 4	JW-SS-15	S: 7/8/2004 E: 7/8/2004	12:55 15:34	--
JW-SS-17	Soil (0-6")/ Alan Whitt	M/G	VOCs (5)	(Ice Only) (1)	JW-SS-17	S: 7/8/2004 E: 7/8/2004	13:25 15:37	--
JW-SS-18	Soil (0-6")/ Alan Whitt	M/C	CORR (5), Flash (5), IGNIT (5), pH (5), R_CN (5), R_S- (5), SVOCs (5), TAL Metals (5)	(Ice Only) ~~(8)~~ 3	JW-SS-18	S: 7/8/2004 E: 7/8/2004	13:38 15:40	--
JW-SS-19	Soil (0-6")/ Alan Whitt	M/G	VOCs (5)	(Ice Only) (1)	JW-SS-19	S: 7/8/2004 E: 7/8/2004	13:55 15:42	--
JW-SS-20	Soil (0-6")/ Alan Whitt	M/C	CORR (5), Flash (5), IGNIT (5), pH (5), R_CN (5), R_S- (5), SVOCs (5), TAL Metals (5)	(Ice Only) ~~(8)~~ 3	JW-SS-20	S: 7/8/2004 E: 7/8/2004	14:06 15:44	--
JW-SS-21	Soil (0-6")/ Alan Whitt	M/G	VOCs (5)	(Ice Only) (1)	JW-SS-21	S: 7/8/2004 E: 7/8/2004	14:16 15:45	--
JW-SS-22	Soil (0-6")/ Alan Whitt	M/C	CORR (5), Flash (5), IGNIT (5), pH (5), R_CN (5), R_S- (5), SVOCs (5), TAL Metals (5)	(Ice Only) ~~(8)~~ 3	JW-SS-22	S: 7/8/2004 E: 7/8/2004	14:31 15:47	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

CORR = Corrosivity (steel), Flash = Flash Point, IGNIT = Ignitability, pH = pH, R_CN = Reactive Cyanide, R_S- = Reactive Sulfide, SVOCs = SVOC, TAL Metals = TAL Metals, VOCs = VOC

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TR Number: 4-452717352-070804-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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

REGION COPY

0607302

EPA Region 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

Sampler Comments Report

PROJECT NO.	PROJECT NAME	NAME & LOCATION OF FACILITY/SITE
G9007E040607	J+W DRUM SERVICE	J&W Drum Service
SAMPLERS: (SIGNATURE)		

STATION NO.	LOCATION/DESCRIPTION	DATE	TIME	Comp/Grab	NO. OF EPA CONTAINERS	SPLIT SAMPLE Y OR N	EPA SAMPLE TAG NO.'S
JW-SS-15	JW-SS-15	7/8/2004	12:55	G	~~9~~ 4	No	
Comments:	Background						
JW-SS-17	JW-SS-17	7/8/2004	13:25	G	1	No	
Comments:	VOCs only						
JW-SS-18	JW-SS-18	7/8/2004	13:38	C	~~8~~ 3	No	
Comments:	5-point composite						
JW-SS-19	JW-SS-19	7/8/2004	13:55	G	1	No	
Comments:	VOCs only						
JW-SS-20	JW-SS-20	7/8/2004	14:06	C	~~1~~ 3	No	
Comments:	5 Point Composite						
JW-SS-21	JW-SS-21	7/8/2004	14:16	G	1	No	
Comments:	VOCs Only						
JW-SS-22	JW-SS-22	7/8/2004	14:31	C	~~1~~ 3	No	
Comments:	5 Point Composite						

SPLIT SAMPLES TRANSFERRED BY: (PRINT)	DATE	SPLIT SAMPLES RECEIVED BY ☐ OR DECLINED BY ☐ (PRINT)	DATE/TIME
(SIGN)	TIME	(SIGN)	TELEPHONE
		TITLE	

CLIENT: Tetra Tech EM Inc.
Project: J&W Drums
Lab Order: 0407302

CASE NARRATIVE

Sample Receipt Non-Conformance:

All samples for VOC analyses are received in 2oz glass jars. Samples will be split into fractions and lab preserved to meet the method specific requirements for the analyses requested. Proceed with all requested analyses per client and project history.

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 4th Edition. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives unless indicated in the case narrative.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 0407302-004A was outside control limits biased high due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 0407302-006A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Percent recovery for the surrogate spiking compound 4-Bromofluorobenzene on sample 0407302-006A was outside control limits biased low due to suspected matrix interference. All other surrogate recoveries were within control limits.

Semi Volatile Organics Analysis by Method 8270C:

Percent recovery for the surrogate spiking compound 4-terphenyl-d14 on sample 0407302-007A was outside control limits biased low due to matrix interference. All other surrogate recoveries were within control limits.

Metals Analysis by Method 6010B:

Matrix spike recovery for Sb, Tl on sample 0407302-003C was outside control limits. LCS recovery was within control limits indicating possible matrix interference. Matrix spike recovery for Ca, Cu, Fe, Pb, Zn on sample 0407302-003C was outside control limits due to insignificant spike amount as compared to sample concentration. LCS recovery was within control limits.

RPD value for Cu on sample 0407302-003C was outside advisory control limits due to suspected non-

homogeneous sample matrix.

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/9/2004 12:18:38 P**
Prep End Date: **7/10/2004 12:17:00**

Prep Batch **47532** Prep Code: **5035** Technician: **Ahmet Dastan**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407035-002A	Soil		8.18	0	0	5	0.611	7/9/2004	
0407302-001A	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407302-001AMS	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407302-001AMSD	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407302-002A	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407302-004A	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407302-006A	Soil		5	0	0	5	1.000	7/9/2004	7/10/2004
0407336-001A	Soil		5.17	0	0	5	0.967	7/9/2004	7/10/2004
LCS-47532			5	0	0	5	1.000	7/9/2004	7/10/2004
MB-47532			5	0	0	5	1.000	7/9/2004	7/10/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_S

Sample ID	**MB-47532**	SampType:	**MBLK**	TestCode:	**8260_TCL4.2**	Units:	**µg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53068**		
Client ID:		Batch ID:	**47532**	TestNo:	**SW8260B**			Analysis Date:	**7/9/2004**	SeqNo:	**1019439**		

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									
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	100									
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									

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_S

Sample ID **MB-47532**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **7/9/2004**	RunNo: **53068**
Client ID:	Batch ID: **47532**	TestNo: **SW8260B**		Analysis Date: **7/9/2004**	SeqNo: **1019439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
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	36.1	0	50	0	72.2	65.3	133	0	0		
Surr: Dibromofluoromethane	51.54	0	50	0	103	80.1	121	0	0		
Surr: Toluene-d8	45.5	0	50	0	91	67.8	145	0	0		

Sample ID **MB-47532**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **7/9/2004**	RunNo: **53134**
Client ID:	Batch ID: **47532**	TestNo: **SW8260B**		Analysis Date: **7/12/2004**	SeqNo: **1021030**

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									

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_S

Sample ID **MB-47532**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **7/9/2004**	RunNo: **53134**
Client ID:	Batch ID: **47532**	TestNo: **SW8260B**		Analysis Date: **7/12/2004**	SeqNo: **1021030**

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									
1,2,4-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-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	100									
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									

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_TCL4.2_S

Sample ID **MB-47532**	SampType: **MBLK**	TestCode: **8260_TCL4.2**	Units: **µg/Kg**	Prep Date: **7/9/2004**	RunNo: **53134**
Client ID:	Batch ID: **47532**	TestNo: **SW8260B**		Analysis Date: **7/12/2004**	SeqNo: **1021030**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
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	37.33	0	50	0	74.7	65.3	133	0	0		
Surr: Dibromofluoromethane	50.92	0	50	0	102	80.1	121	0	0		
Surr: Toluene-d8	44.8	0	50	0	89.6	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW8260B

Sample ID **LCS-47532** SampType: **LCS** TestCode: **8260B_S** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53073**
Client ID: Batch ID: **47532** TestNo: **SW8260B** Analysis Date: **7/9/2004** SeqNo: **1019561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	58.27	5.0	50	0	117	58.8	139	0	0		
Benzene	57.57	5.0	50	0	115	77.6	128	0	0		
Chlorobenzene	58.99	5.0	50	0	118	80.4	131	0	0		
Toluene	58.55	5.0	50	0	117	79.4	132	0	0		
Trichloroethene	57.46	5.0	50	0	115	81.8	147	0	0		
Surr: 4-Bromofluorobenzene	40.48	5.0	50	0	81	65.3	133	0	0		
Surr: Dibromofluoromethane	43.98	5.0	50	0	88	80.1	121	0	0		
Surr: Toluene-d8	43.83	5.0	50	0	87.7	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: SW8260B

Sample ID **0407302-001AMS** SampType: **MS** TestCode: **8260_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53134**
Client ID: **JW-SS-15** Batch ID: **47532** TestNo: **SW8260B** Analysis Date: **7/12/2004** SeqNo: **1021037**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	66.96	5.0	50	0	134	46.3	140	0	0		
Benzene	49.06	5.0	50	0	98.1	58.7	138	0	0		
Chlorobenzene	45.96	5.0	50	0	91.9	55.3	141	0	0		
Toluene	44.71	5.0	50	0	89.4	52.1	144	0	0		
Trichloroethene	52.17	5.0	50	0	104	65.4	148	0	0		
Surr: 4-Bromofluorobenzene	35.54	0	50	0	71.1	65.3	133	0	0		
Surr: Dibromofluoromethane	50.58	0	50	0	101	80.1	121	0	0		
Surr: Toluene-d8	44.82	0	50	0	89.6	67.8	145	0	0		

Sample ID **0407302-001AMSD** SampType: **MSD** TestCode: **8260_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53134**
Client ID: **JW-SS-15** Batch ID: **47532** TestNo: **SW8260B** Analysis Date: **7/12/2004** SeqNo: **1021038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	65.05	5.0	50	0	130	46.3	140	66.96	2.89	22.9	
Benzene	48.53	5.0	50	0	97.1	58.7	138	49.06	1.09	16.8	
Chlorobenzene	47.39	5.0	50	0	94.8	55.3	141	45.96	3.06	23.5	
Toluene	43.8	5.0	50	0	87.6	52.1	144	44.71	2.06	18.6	
Trichloroethene	51.03	5.0	50	0	102	65.4	148	52.17	2.21	21.4	
Surr: 4-Bromofluorobenzene	36.2	0	50	0	72.4	65.3	133	35.54	0	0	
Surr: Dibromofluoromethane	50.16	0	50	0	100	80.1	121	50.58	0	0	
Surr: Toluene-d8	44.55	0	50	0	89.1	67.8	145	44.82	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\1\DATA\7032804

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V7028277.D	1.	BFB	TUNE BFB_4	28 Mar 2004 12:46
2	2	V7028278.D	1.	MBLK	MBLK 8260B_S	28 Mar 2004 13:17
3	3	V7028279.D	1.	8260 ICAL 002 S	ICAL 8260B_S_CLP	28 Mar 2004 13:47
4	4	V7028280.D	1.	8260 ICAL 005 S	ICAL 8260B_S_CLP	28 Mar 2004 14:17
5	5	V7028281.D	1.	8260 ICAL 010 S	ICAL 8260B_S_CLP	28 Mar 2004 14:47
6	6	V7028282.D	1.	8260 ICAL 020 S	ICAL 8260B_S_CLP	28 Mar 2004 15:08
7	7	V7028283.D	1.	8260 ICAL 030 S	ICAL 8260B_S_CLP	28 Mar 2004 15:48
8	8	V7028284.D	1.	8260 ICAL 050 S	ICAL 8260B_S_CLP	28 Mar 2004 16:18
9	9	V7028285.D	1.	8260 ICAL 100 S	ICAL 8260B_S_CLP	28 Mar 2004 16:48
10	10	V7028286.D	1.	8260 ICAL 150 S	ICAL 8260B_S_CLP	28 Mar 2004 17:18
11	11	V7028287.D	1.	8260 ICAL 200 S	ICAL 8260B_S_CLP	28 Mar 2004 17:48
12	12	V7028288.D	1.	MBLK	MBLK 8260B_S_CLP	28 Mar 2004 18:18
13	13	V7028289.D	1.	MBLK	MBLK 8260B_S_CLP	28 Mar 2004 18:48
14	14	V7028290.D	1.	8260 ICV 050 S	ICV 8260B_S_CLP	28 Mar 2004 19:18
15	15	V7028291.D	1.	MB----------	MBLK 8260B_S_CLP	28 Mar 2004 19:48

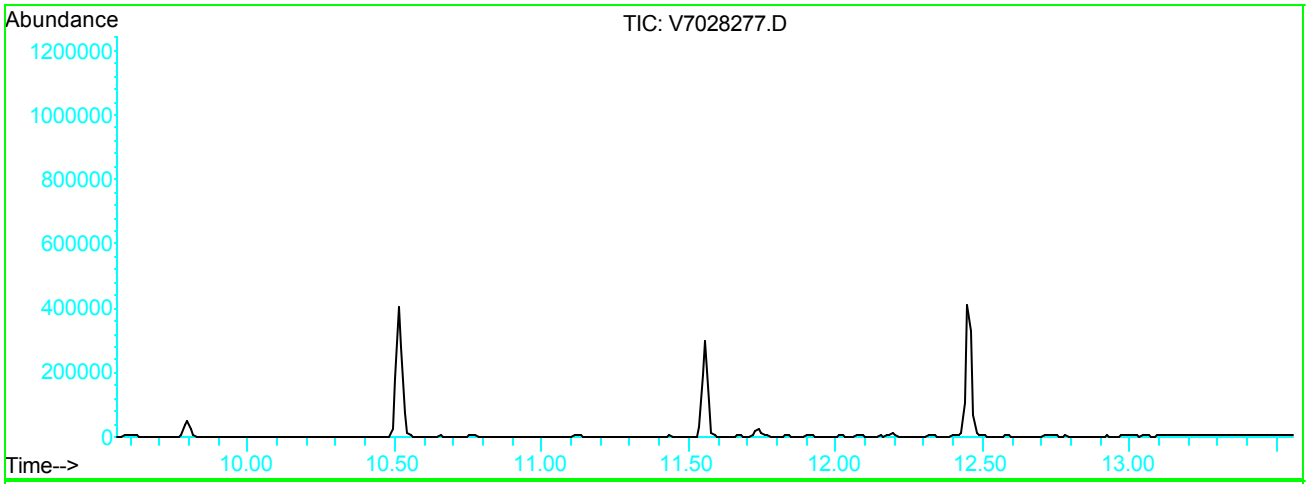
Injection Log

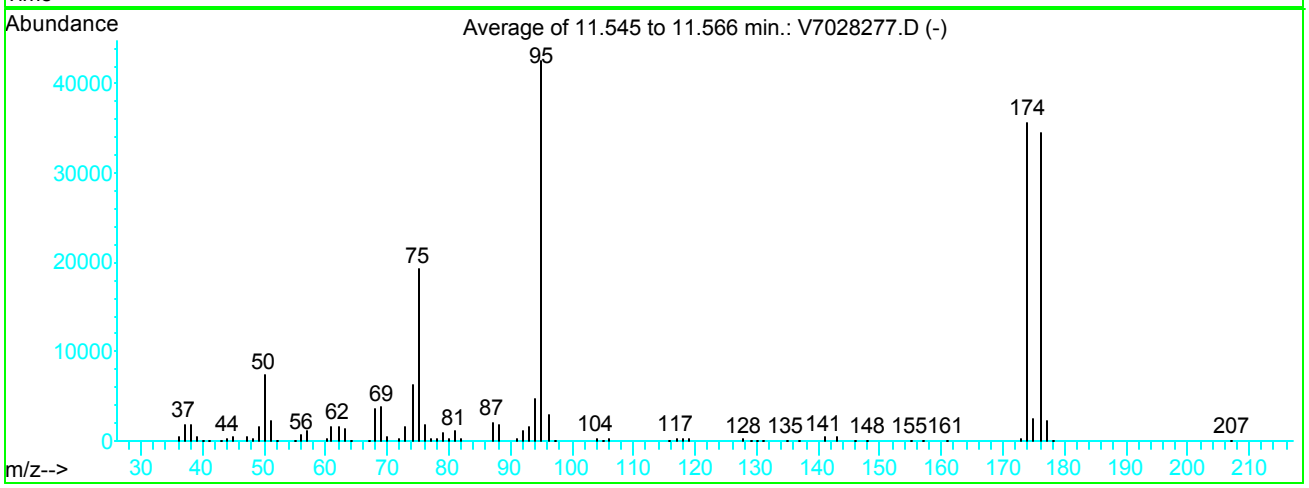
Directory: D:\MSDCHEM\1\DATA\7032904

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V7028292.D	1.	MBLK	MBLK 8260B_S_CLP	29 Mar 2004 08:31
2	2	V7028293.D	1.	8260 ICAL 050 S	ICAL 8260B_S_CLP	29 Mar 2004 09:11
3	3	V7028294.D	1.	MB----------	MBLK 8260B_S_CLP	29 Mar 2004 09:42
4	4	V7028295.D	1.	MB----------	MBLK 8260B_S_CLP	29 Mar 2004 10:02
5	3	V7028296.D	1.	BFB	TUNE BFB_4	29 Mar 2004 11:08
6	4	V7028297.D	1.	8260 ICV 050 S	ICV 8260B_S	29 Mar 2004 11:38
7	5	V7028298.D	1.	MB-44058	MBLK 8260B_S	29 Mar 2004 11:58
8	6	V7028299.D	1.	LCS----------	LCS 8260B_S	29 Mar 2004 12:38
9	7	V7028300.D	1.	0403C21-001A 5.08g	SAMP 8260_PP_S	29 Mar 2004 13:09
10	8	V7028301.D	1.	0403D04-001A 5.18g	SAMP 8260_PP_S	29 Mar 2004 13:29
11	9	V7028302.D	1.	0403D30-002A 6.56g	SAMP 8260_TCL4.2_S	29 Mar 2004 14:09
12	10	V7028303.D	1.	0403D30-004A 5.05g	SAMP 8260_TCL4.2_S	29 Mar 2004 14:40
13	11	V7028304.D	1.	0403D30-006A 5.60g	SAMP 8260_TCL4.2_S	29 Mar 2004 15:00
14	12	V7028305.D	1.	0403D30-008A 4.02g	SAMP 8260_TCL4.2_S	29 Mar 2004 15:41
15	13	V7028306.D	1.	LCS-44058	LCS 8260B_S	29 Mar 2004 16:11
16	14	V7028307.D	1.	0403D50-001A 6.18g	SAMP 8260_TCL4.2_S	29 Mar 2004 16:41
17	15	V7028308.D	1.	0403D30-010A 5.25g	SAMP 8260_TCL4.2_S	29 Mar 2004 17:11
18	16	V7028309.D	1.	MS 5.00g	MS 8260_TCL4.2_S	29 Mar 2004 17:41
19	17	V7028310.D	1.	MSD 5.00g	MSD 8260_TCL4.2_S	29 Mar 2004 18:11

BFB

Data File : D:\MSDCHEM\1\DATA\7032804\V7028277.D Vial: 1
Acq On : 28 Mar 2004 12:46 pm Operator: NH
Sample : BFB Inst : GCMS 7
Misc : TUNE BFB_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration





Spectrum Information: Average of 11.545 to 11.566 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	7392	PASS
75	95	30	60	45.0	19191	PASS
95	95	100	100	100.0	42669	PASS
96	95	5	9	7.0	2988	PASS
173	174	0.00	2	0.6	231	PASS
174	95	50	100	83.5	35624	PASS
175	174	5	9	7.0	2497	PASS
176	174	95	101	97.1	34592	PASS
177	176	5	9	6.2	2157	PASS

Response Factor Report GCMS 7

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

Calibration Files
5 =V7028280.D 30 =V7028283.D 20 =V7028282.D
50 =V7028293.D 100 =V7028285.D 10 =V7028281.D

		Compound	5	30	20	50	100	10	Avg	%RSD
1)		Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluor	0.592	0.770	0.706	0.786	0.695	0.701	0.717	8.87
3)	pcc	Chloromethane	1.245	1.298	1.207	1.231	1.161	1.259	1.216	6.07
4)	ccc	Vinyl chloride	0.944	1.115	1.031	1.131	1.004	0.997	1.020	8.60
5)	T	Bromomethane	0.557	0.507	0.549		0.460	0.528	0.567	20.91
6)	T	Chloroethane	0.553	0.651	0.613	0.680	0.576	0.632	0.599	9.22
7)	T	Trichlorofluoro	1.396	1.802	1.648	1.810	1.641	1.615	1.632	10.56
8)	T	Acrolein	0.152	0.151	0.139	0.143	0.142	0.150	0.148	5.82
9)	pcc	1,1-Dichloroeth	0.695	0.415	0.517	0.503	0.457	0.537	0.508	16.76
10)	T	Acetone	0.181	0.166	0.155	0.159	0.146	0.185	0.162	9.59
11)	T	Freon-113	0.688	0.411	0.502	0.510	0.448	0.510	0.499	16.86
12)	T	Iodomethane	0.327	0.342	0.330	0.378		0.294	0.384	23.02
13)	T	Carbon disulfid	2.129	1.306	1.610	1.621	1.378	1.663	1.569	16.64
14)	T	Vinyl acetate	0.319	0.403	0.372	0.335	0.394	0.366	0.370	9.02
15)	T	Methyl Acetate	0.637	0.805	0.743	0.669	0.788	0.732	0.740	9.02
16)	T	Methylene chlor	0.882	0.627	0.686	0.662	0.613	0.730	0.678	13.93
17)	T	Acrylonitrile	0.207	0.246	0.230	0.234	0.228	0.251	0.226	12.01
18)	T	Methyl tert-but	0.583	0.686	0.655	0.631		0.677	0.718	17.63
19)	T	trans-1,2-Dichl	0.723	0.451	0.542	0.519	0.479	0.556	0.534	15.55
20)	pcc	1,1-Dichloroeth	1.165	0.839	0.940	0.910	0.880	0.962	0.951	10.00
21)	T	2,2-Dichloropro	0.916	0.568	0.697	0.658	0.629	0.730	0.706	14.31
22)	T	cis-1,2-Dichlor	0.757	0.550	0.613	0.612	0.586	0.632	0.628	9.46
23)	T	2-Butanone	0.110	0.115	0.108	0.108	0.111	0.128	0.109	11.42
24)	T	Bromochlorometh	0.318	0.285	0.308	0.305	0.288	0.307	0.298	5.56
25)	ccc	Chloroform	1.137	0.821	0.932	0.900	0.881	0.986	0.949	9.53
26)	T	1,1,1-Trichloro	0.947	0.601	0.747	0.678	0.678	0.769	0.744	13.51
27)	T	Cyclohexane	1.310	0.749	0.923	0.885	0.802	0.990	0.977	25.88
28)	I	1,4-Difluorobenzene	----------ISTD----------							
29)	S	Dibromofluorome		0.344	0.309	0.278	0.353	0.415	0.349	12.93
30)	T	1,1-Dichloropro	0.203	0.116	0.148	0.145	0.134	0.156	0.148	16.39
31)	T	Carbon tetrachl	0.465	0.281	0.362	0.345	0.332	0.365	0.360	13.63
32)	M	Benzene	1.783	1.149	1.399	1.355	1.273	1.456	1.422	15.05
33)	T	1,2-Dichloroeth	0.446	0.409	0.435	0.442	0.440	0.442	0.437	5.49
34)	M	Trichloroethene	0.436	0.268	0.341	0.324	0.308	0.348	0.330	14.92
35)	T	Methylcyclohexa	0.525	0.338	0.414	0.441	0.388	0.420	0.426	12.78
36)	ccc	1,2-Dichloropro	0.434	0.320	0.369	0.360	0.355	0.380	0.367	8.28
37)	T	Dibromomethane	0.212	0.198	0.205	0.208	0.204	0.220	0.206	4.83
38)	T	Bromodichlorome	0.439	0.373	0.402	0.420	0.412	0.438	0.415	5.68

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

Response Factor Report GCMS 7

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

Calibration Files
5 =V7028280.D 30 =V7028283.D 20 =V7028282.D
50 =V7028293.D 100 =V7028285.D 10 =V7028281.D

		Compound	5	30	20	50	100	10	Avg	%RSD
39)	T	2-Chloroethyl v	0.217	0.160	0.184	0.180	0.177	0.190	0.183	8.28
40)	T	cis-1,3-Dichlor	0.516	0.441	0.455	0.490	0.486	0.532	0.480	9.00
41)	T	4-Methyl-2-pent	0.295	0.266	0.252		0.247	0.304	0.287	16.53
42)	S	Toluene-d8		1.235	1.130	1.119	1.306	1.618	1.313	13.44
43)	M	Toluene	0.986	0.671	0.822	0.791	0.766	0.884	0.820	11.10
44)	T	trans-1,3-Dichl	0.516	0.441	0.455	0.490	0.486	0.532	0.480	9.00
45)	T	1,1,2-Trichloro	0.273	0.254	0.259	0.266	0.262	0.304	0.264	7.79
46)	I	Chlorobenzene-d5	----------ISTD----------							
47)	T	2-Hexanone	0.340	0.291	0.289	0.225	0.282	0.347	0.316	20.03
48)	T	Tetrachloroethe	0.476	0.265	0.343	0.359	0.305	0.375	0.354	18.65
49)	T	1,3-Dichloropro	0.631	0.548	0.595	0.637	0.606	0.674	0.609	6.84
50)	T	Dibromochlorome	0.374	0.312	0.346	0.387	0.364	0.391	0.361	9.09
51)	T	1,2-Dibromoetha	0.355	0.336	0.351	0.385	0.359	0.394	0.359	6.73
52)	M	Chlorobenzene	1.337	0.861	1.048	1.071	0.972	1.157	1.062	13.04
53)	T	1,1,1,2-Tetrach	0.406	0.300	0.355	0.384	0.356	0.399	0.364	9.07
54)	ccc	Ethylbenzene	2.114	1.308	1.665	1.706	1.561	1.813	1.696	13.41
55)	T	m,p-Xylene	1.596	1.009	1.271	1.322	1.247	1.387	1.316	11.86
56)	T	o-Xylene	1.640	1.053	1.307	1.360	1.316	1.444	1.371	11.33
57)	T	Styrene	1.256	0.894	1.058	1.162	1.085	1.170	1.106	9.47
58)	pcc	Bromoform	0.207	0.199	0.211	0.245	0.234	0.246	0.222	12.20
59)	S	4-Bromofluorobe		0.463	0.452	0.449	0.521	0.610	0.516	12.18
60)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
61)	T	Bromobenzene	1.007	0.737	0.863	0.891	0.805	1.003	0.863	10.71
62)	pcc	1,1,2,2-Tetrach	0.974	0.903	0.935	1.014	0.912	1.138	0.945	10.38
63)	T	1,2,3-Trichloro	1.381	1.341	1.373	1.498	1.419	1.647	1.404	9.92
64)	T	Isopropylbenzen	4.239	2.495	3.182	3.284	2.965	3.486	3.259	15.52
65)	T	n-Propylbenzene	4.994	2.983	3.717	3.929	3.499	4.175	3.856	15.69
66)	T	trans-1,4-Dichl	0.058	0.056	0.056	0.068	0.063	0.073	0.063	9.65
67)	T	2-Chlorotoluene	2.818	1.818	2.225	2.287	2.103	2.554	2.290	13.55
68)	T	4-Chlorotoluene	3.234	2.050	2.569	2.735	2.440	2.893	2.638	12.97
69)	T	1,3,5-Trimethyl	3.226	2.074	2.579	2.736	2.504	2.858	2.667	12.02
70)	T	tert-Butylbenze	3.527	2.212	2.745	2.827	2.617	2.969	2.809	13.18
71)	T	1,2,4-Trimethyl	3.348	2.191	2.647	2.792	2.579	2.978	2.762	12.42
72)	T	sec-Butylbenzen	4.557	2.913	3.498	3.736	3.345	3.823	3.638	12.98
73)	T	1,3-Dichloroben	1.976	1.256	1.509	1.641	1.426	1.784	1.581	14.51
74)	T	4-Isopropyltolu	3.795	2.435	2.902	3.183	2.784	3.228	3.067	13.37
75)	T	1,4-Dichloroben	2.015		1.553	1.724	1.430	1.864	1.643	13.94
76)	T	1,2-Dichloroben	1.836	1.295	1.489	1.592	1.423	1.752	1.553	11.24

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

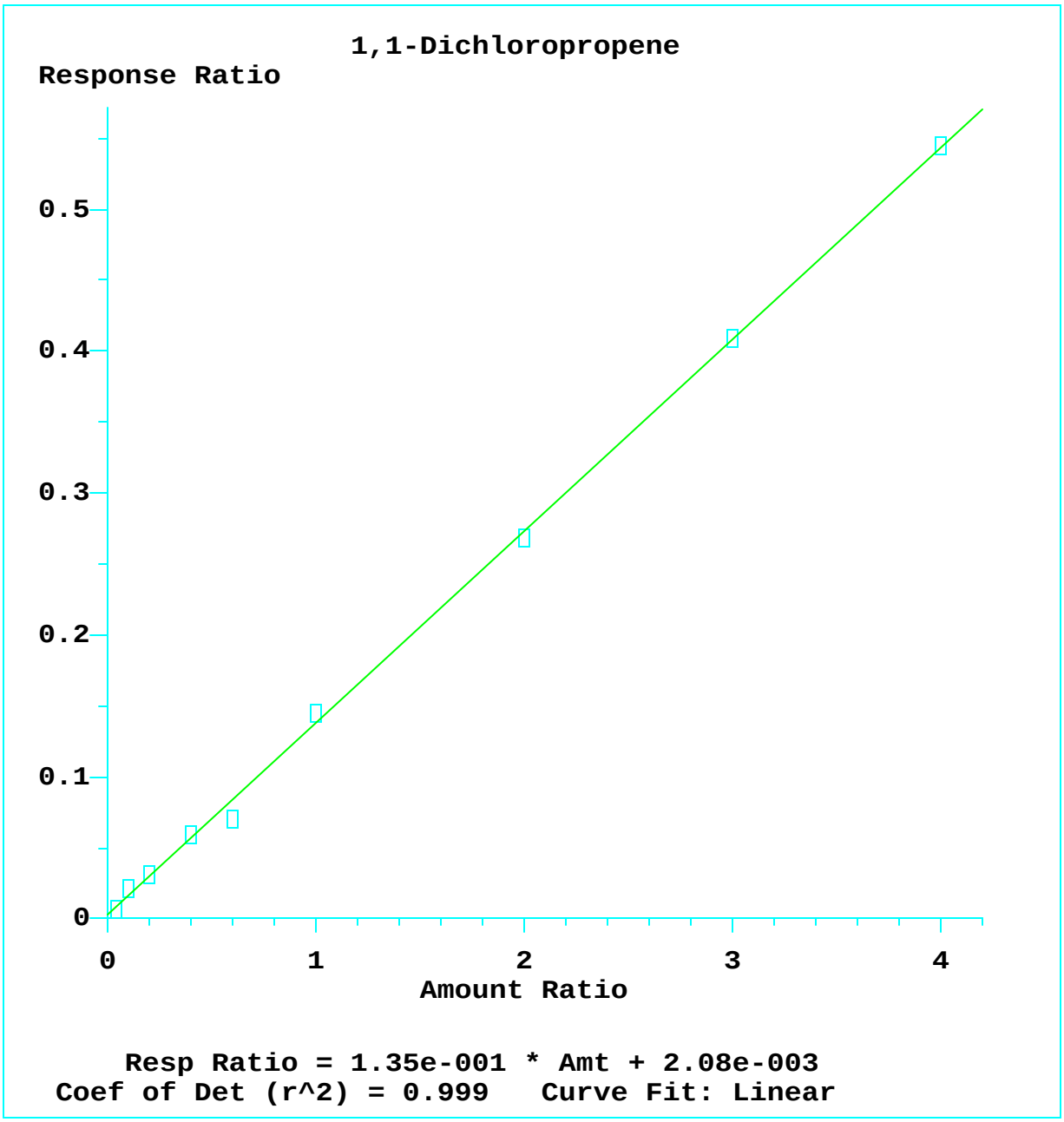
Response Factor Report GCMS 7

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

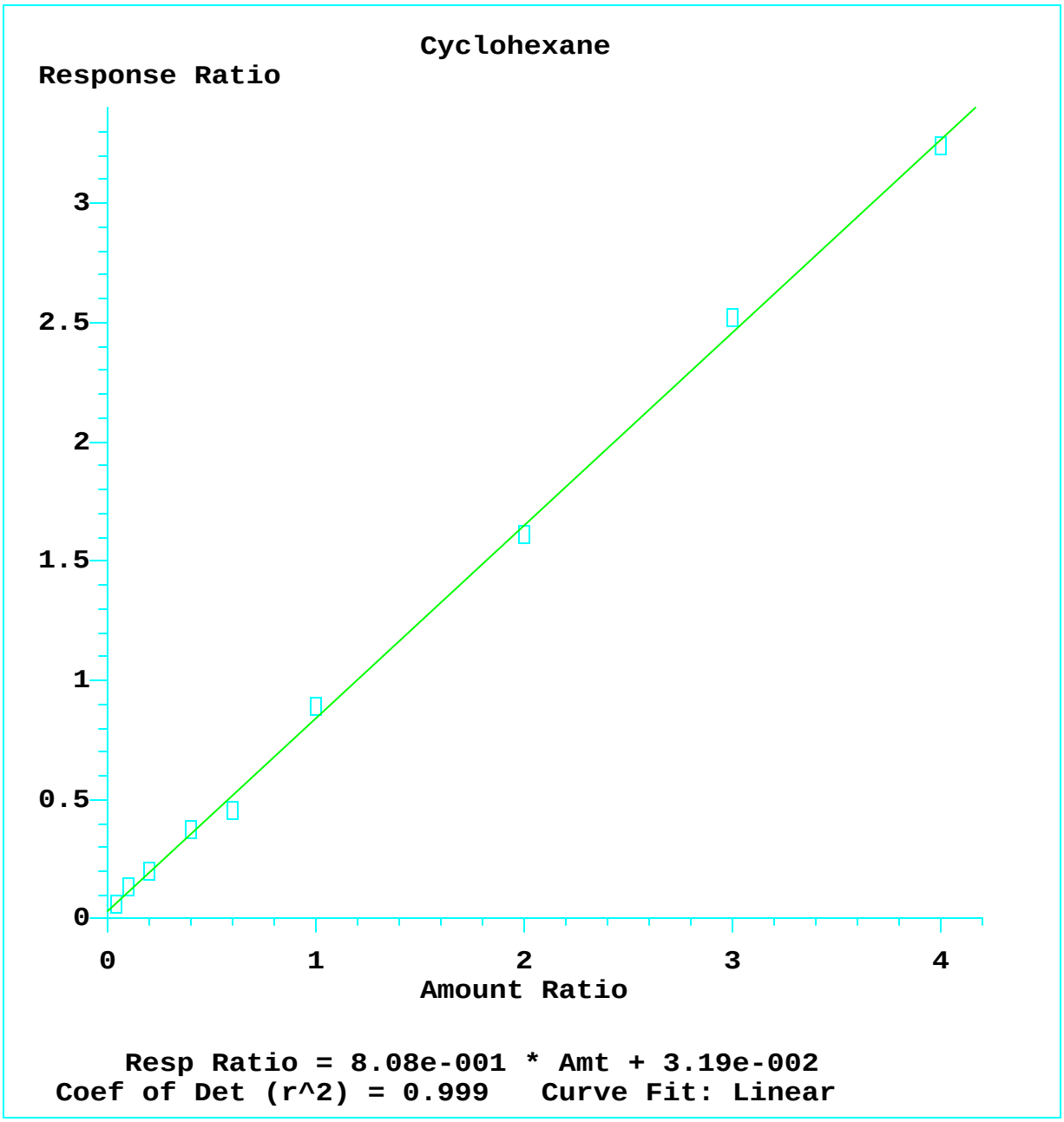
Calibration Files
5 =V7028280.D 30 =V7028283.D 20 =V7028282.D
50 =V7028293.D 100 =V7028285.D 10 =V7028281.D

	Compound	5	30	20	50	100	10	Avg	%RSD
77) T	n-Butylbenzene	3.358	2.140	2.544	2.864	2.473	2.769	2.712	13.42
78) T	1,2-Dibromo-3-c	0.132	0.135	0.136	0.137	0.148	0.165	0.146	8.61
79) T	1,2,4-Trichloro	1.101	0.768	0.885	0.947	0.825	1.023	0.929	12.18
80) T	Hexachlorobutad	0.598	0.405	0.462	0.499	0.439	0.490	0.486	12.60
81) T	Naphthalene	2.411	2.332	2.376	1.876	2.411	2.626	2.425	10.01
82) T	1,2,3-Trichloro	1.101	0.768	0.885	0.947	0.825	1.023	0.929	12.18

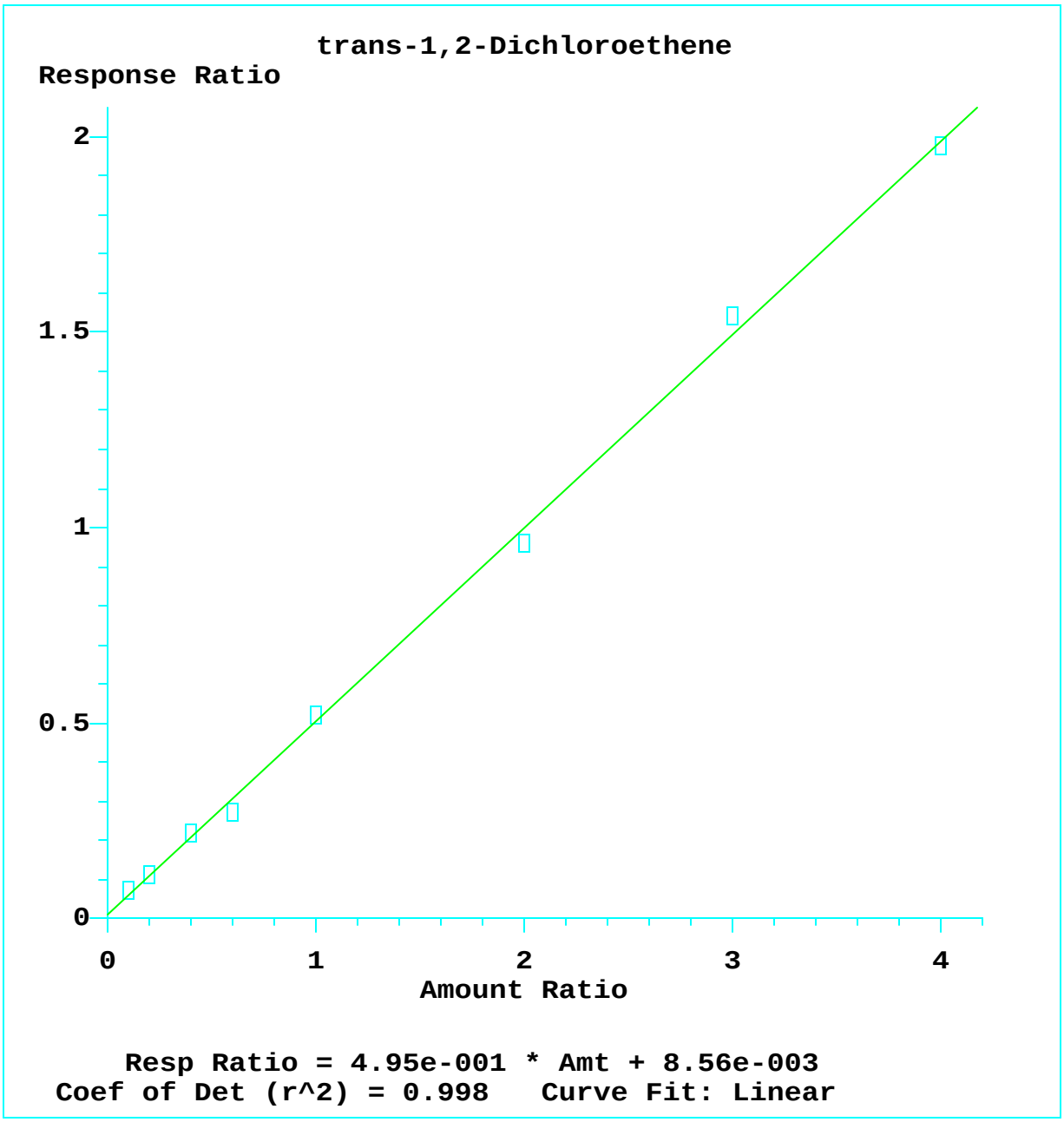
(#) = Out of Range ### Number of calibration levels exceeded format ###



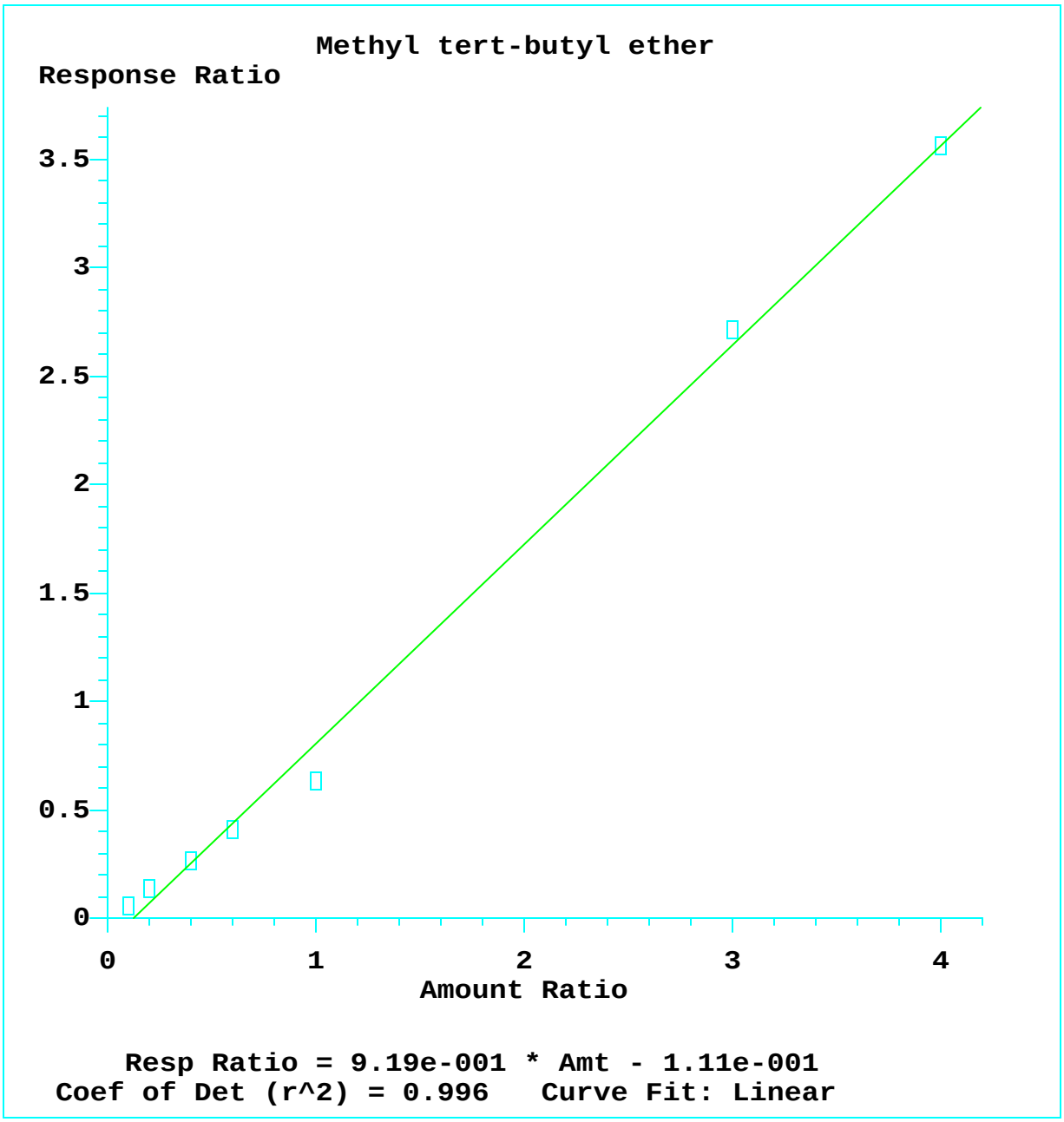
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



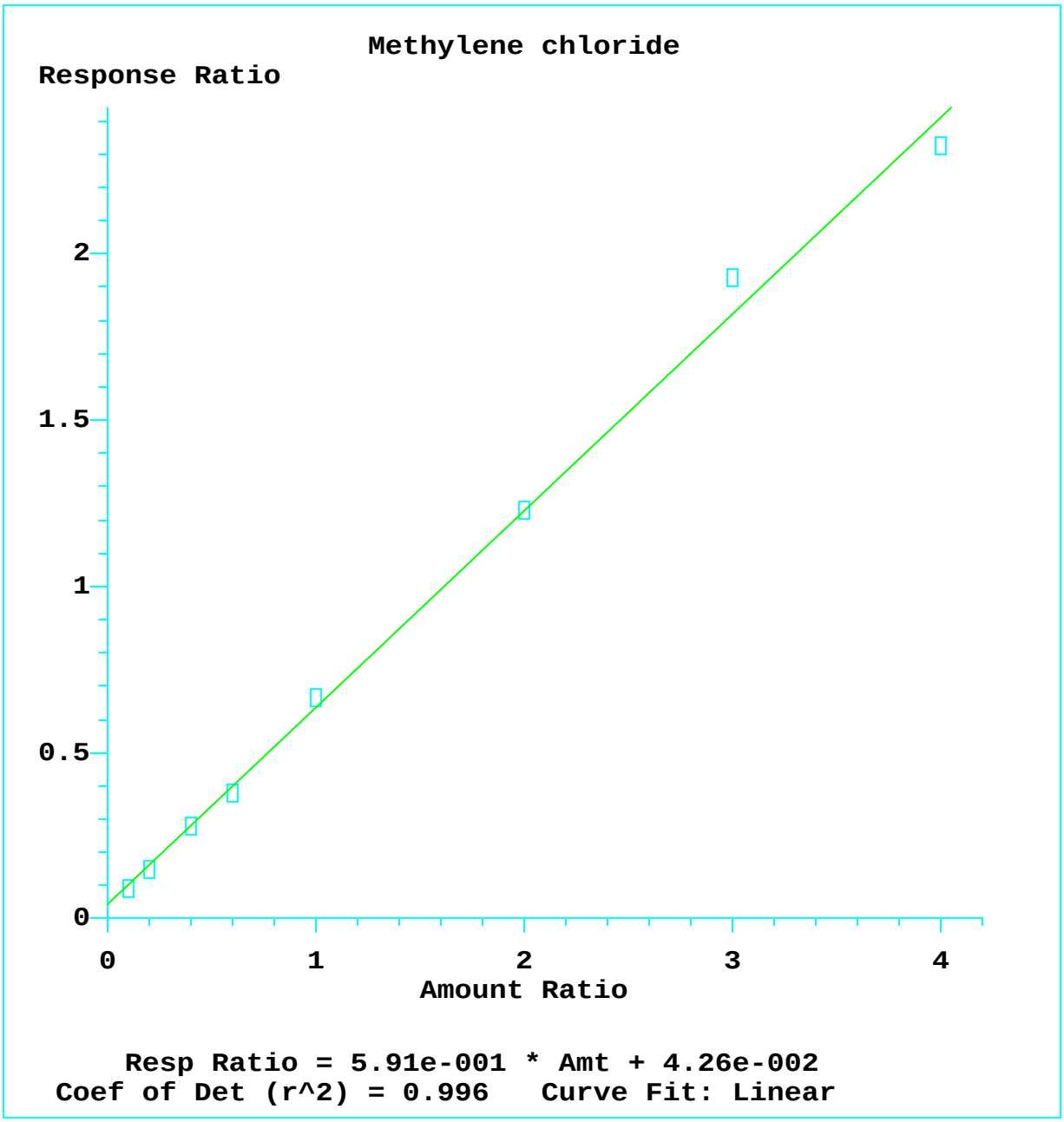
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



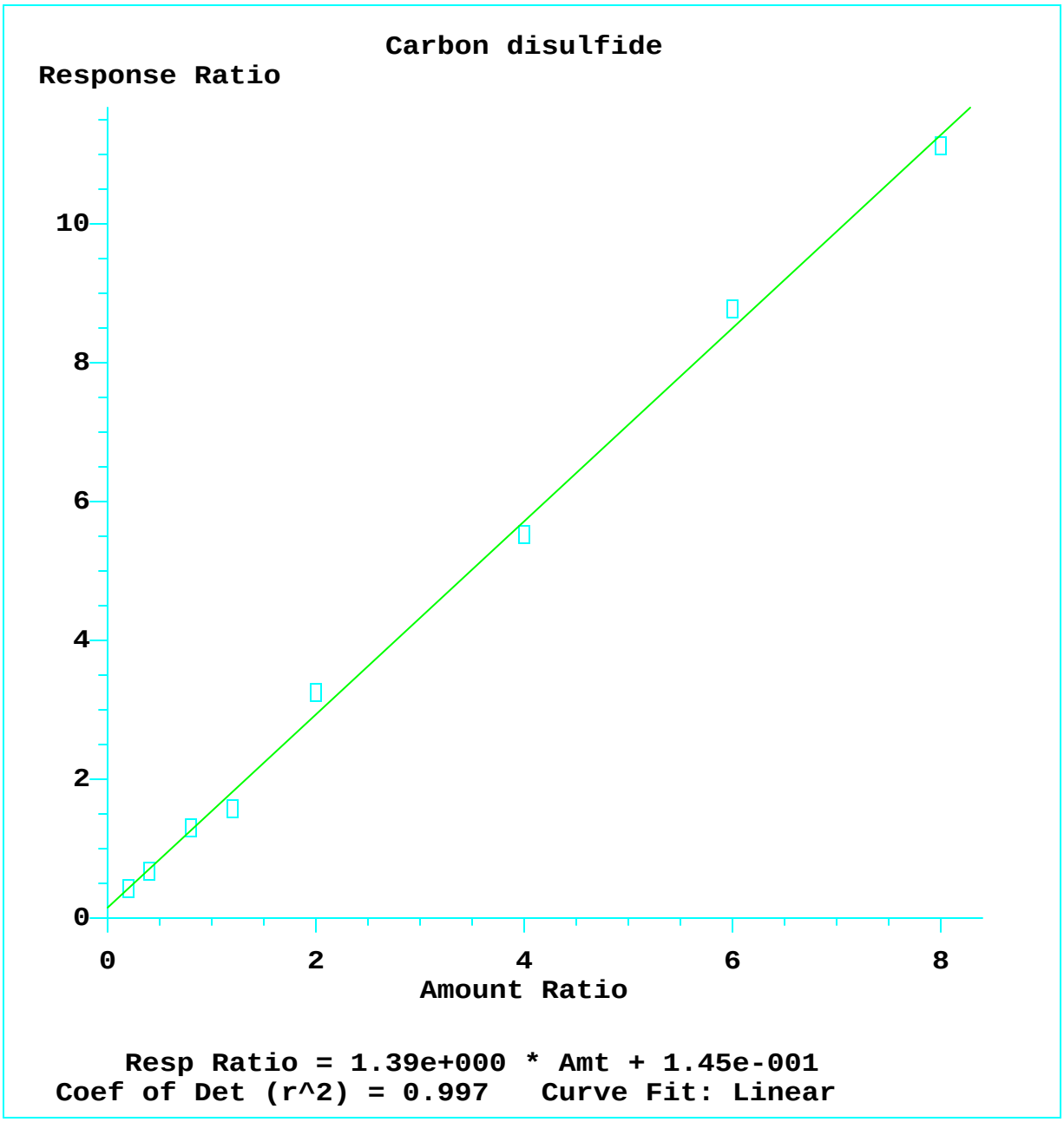
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



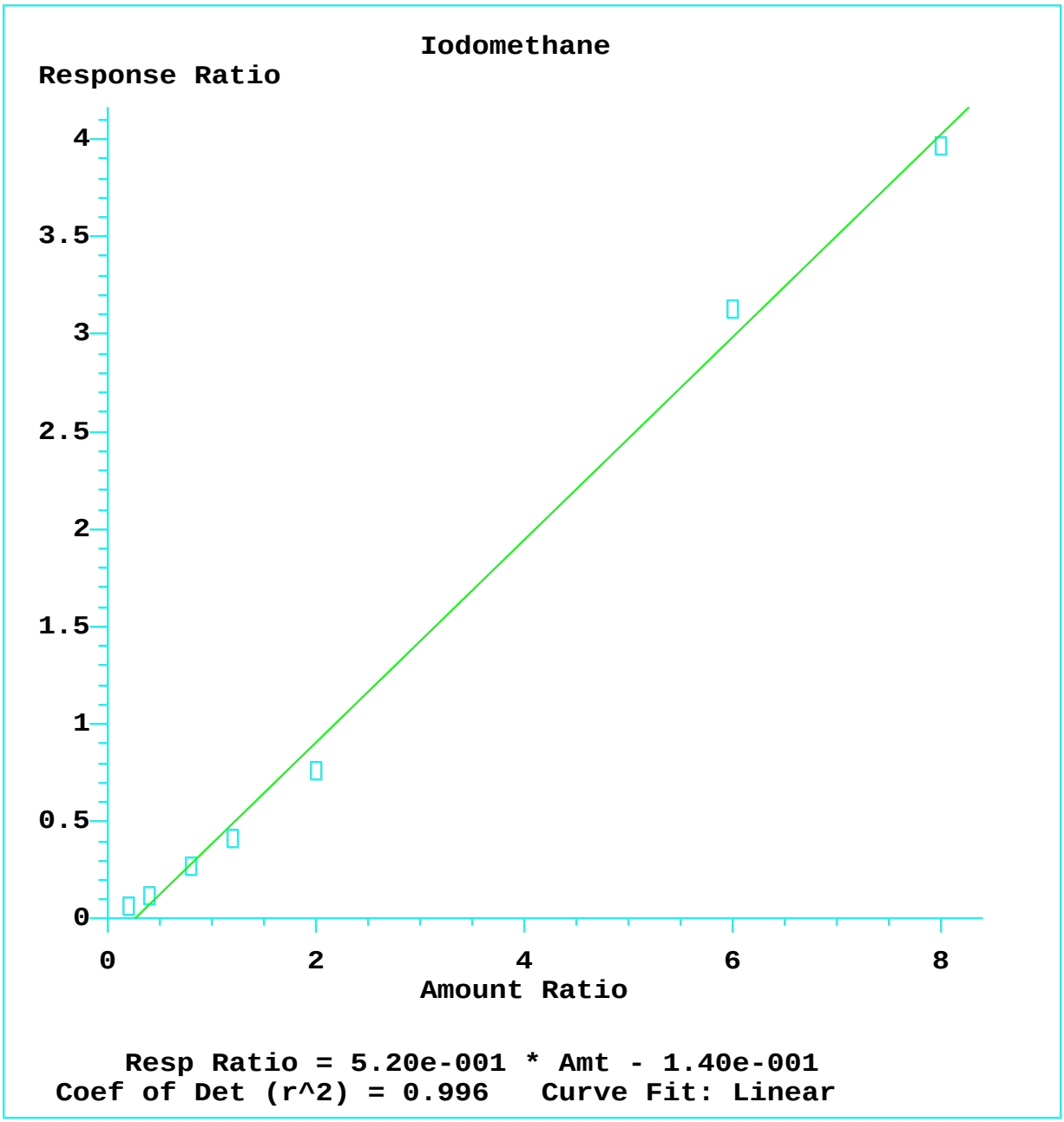
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



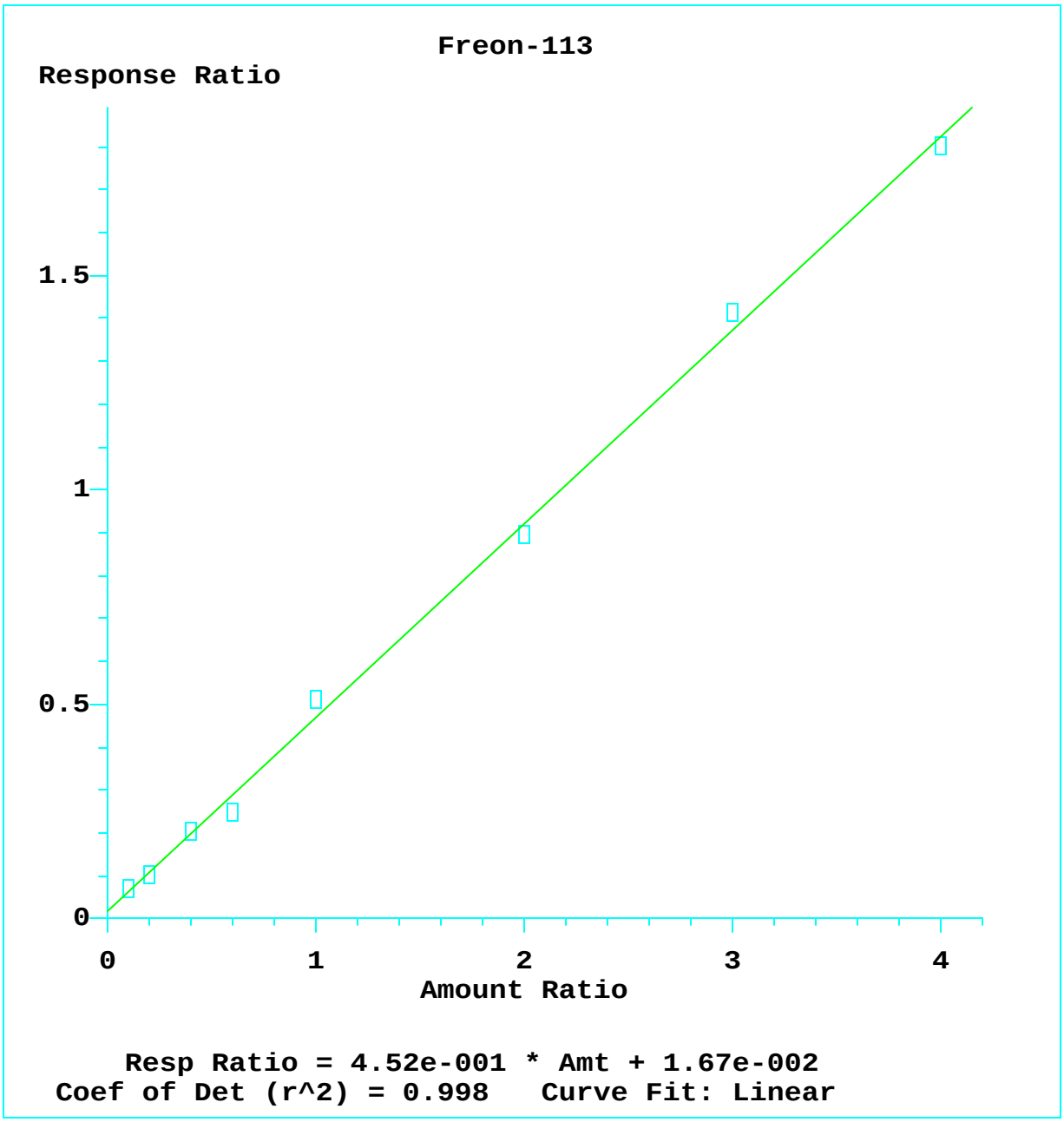
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



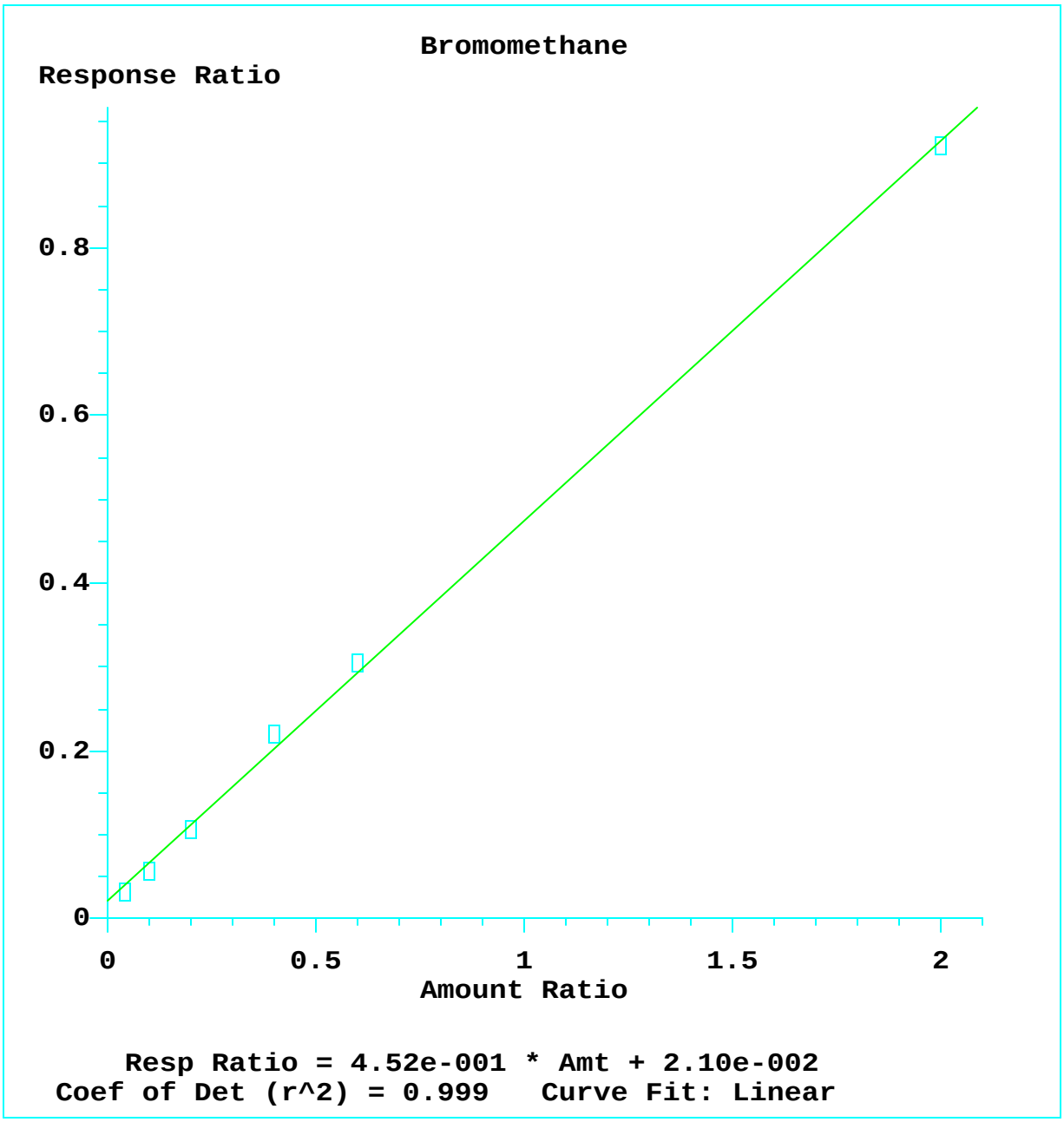
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



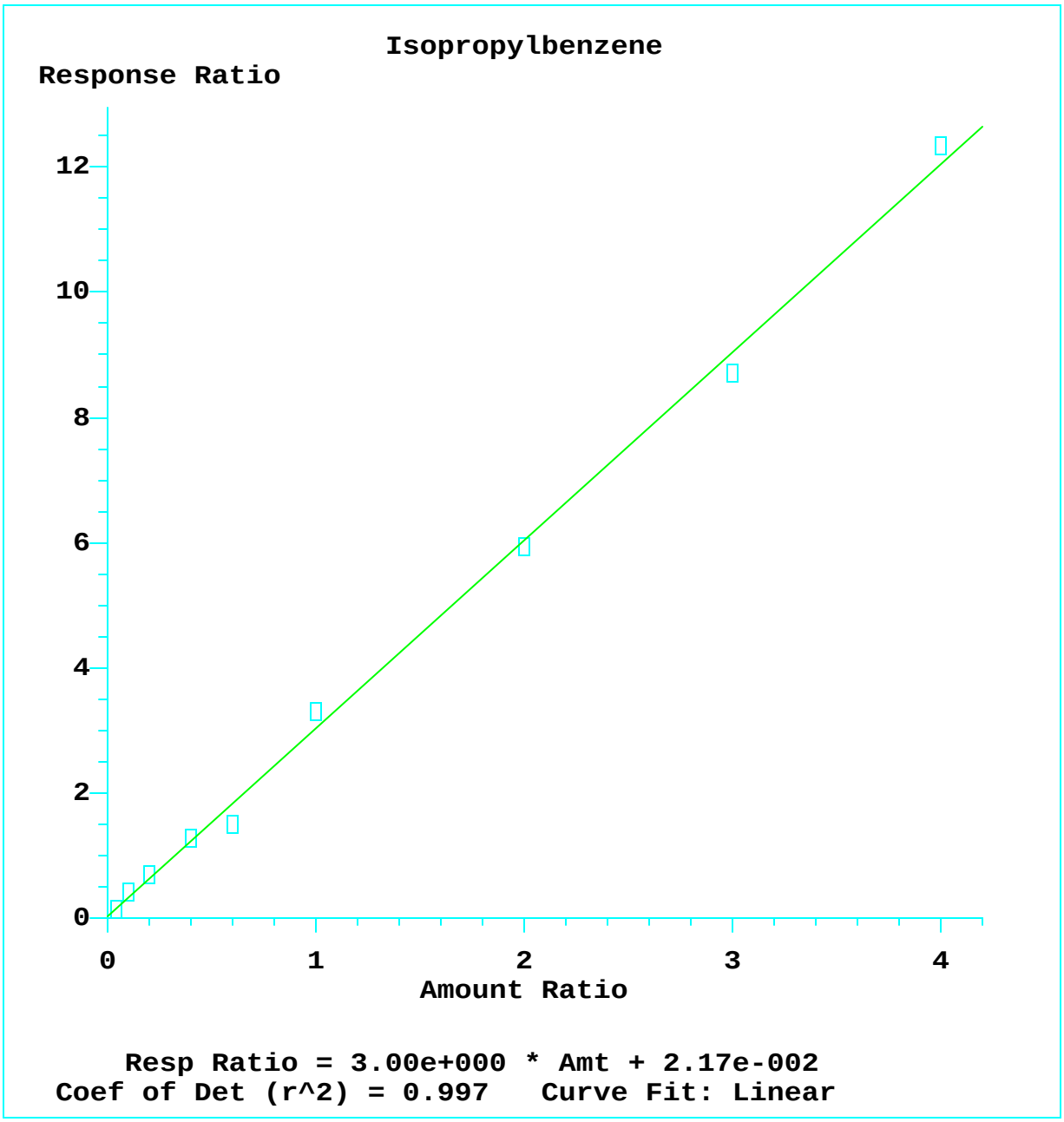
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



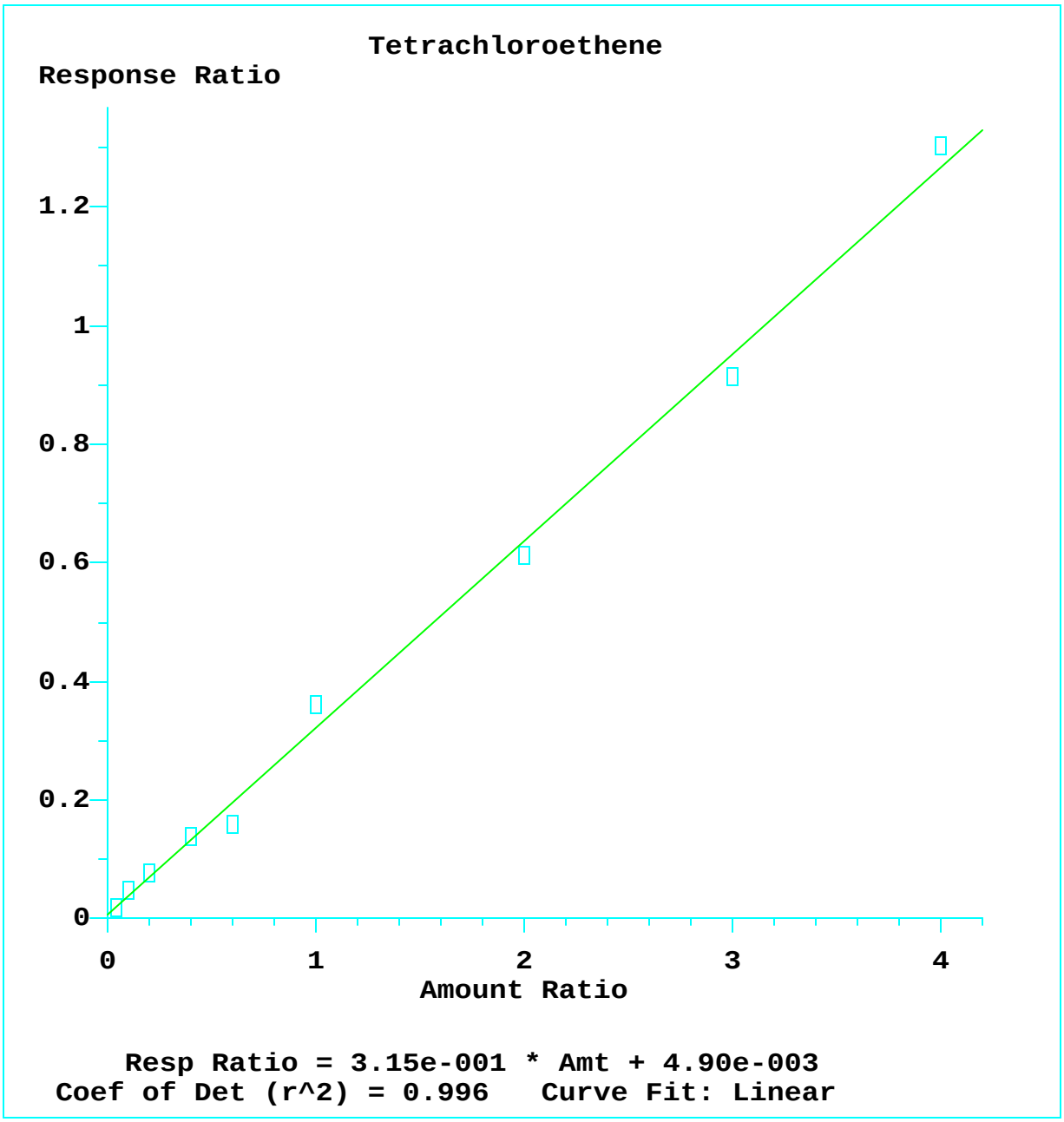
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



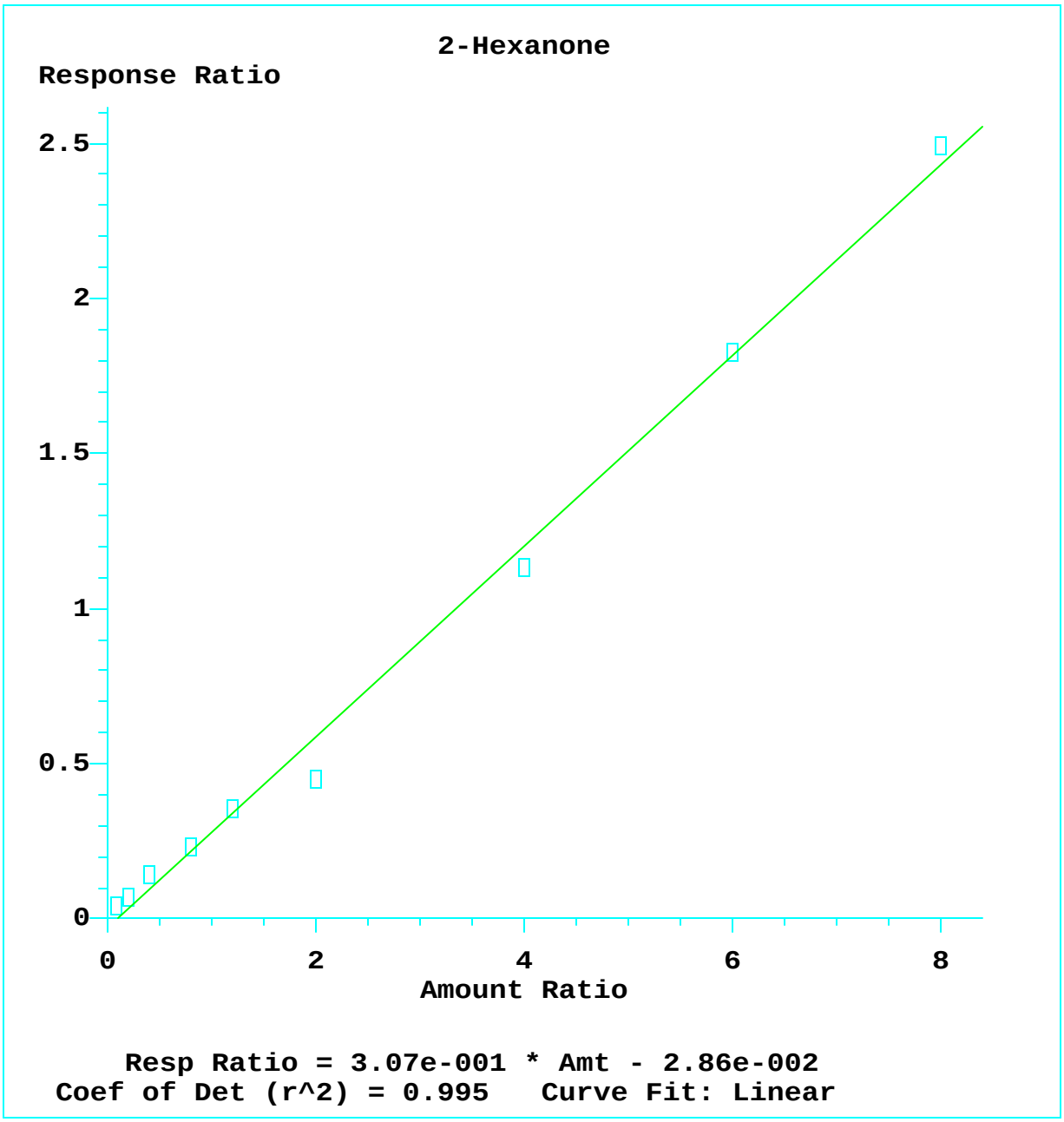
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



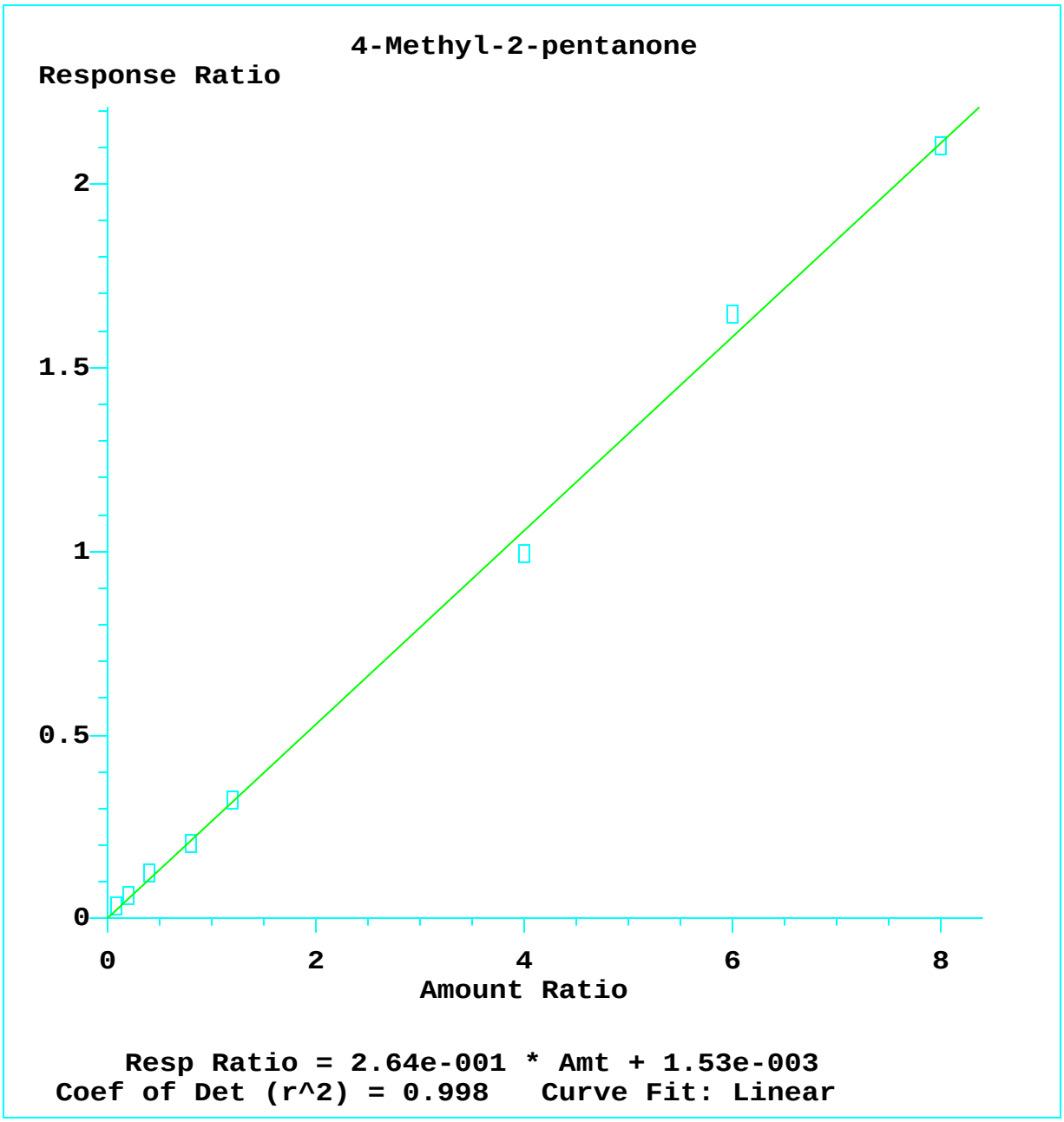
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



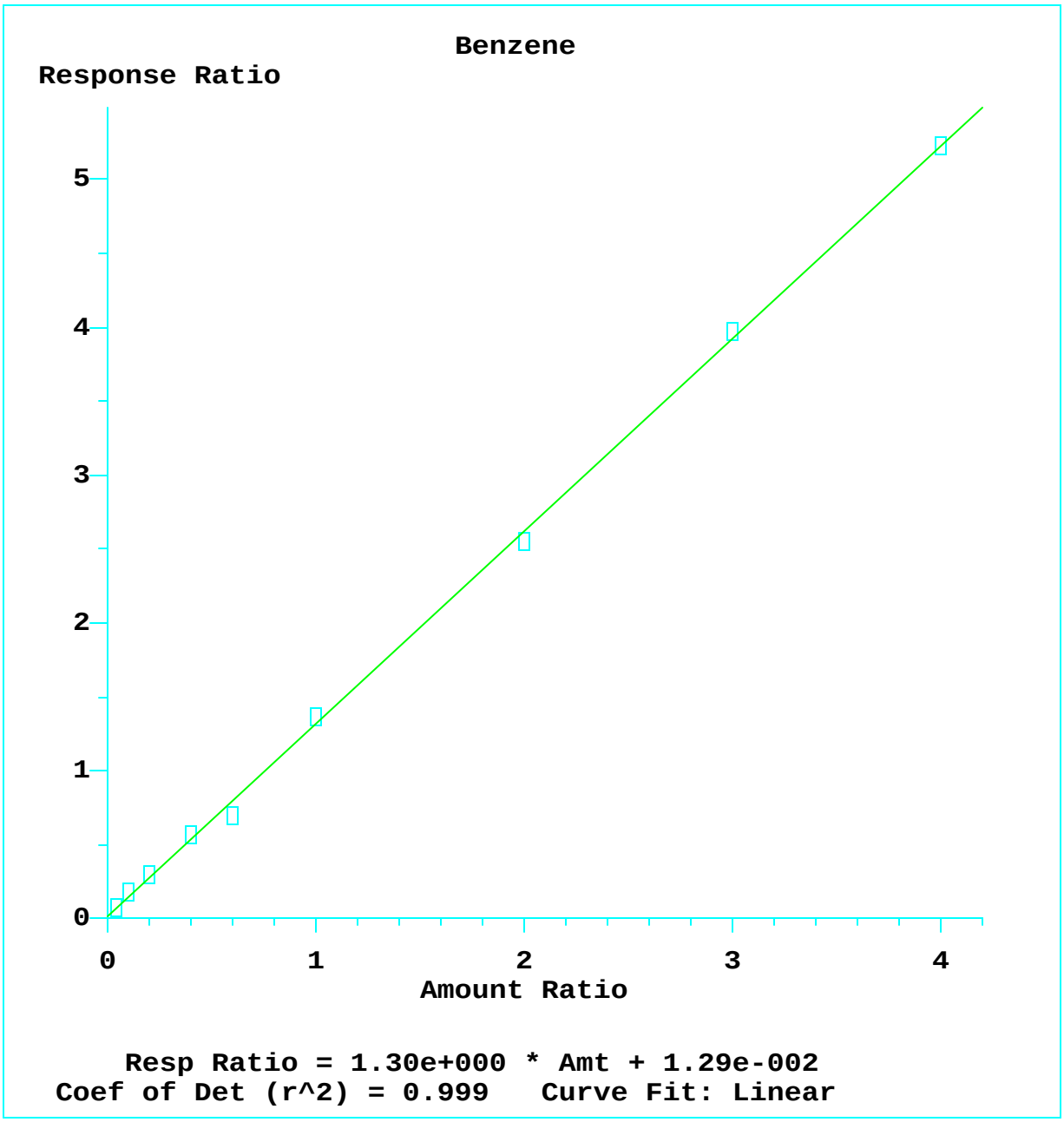
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



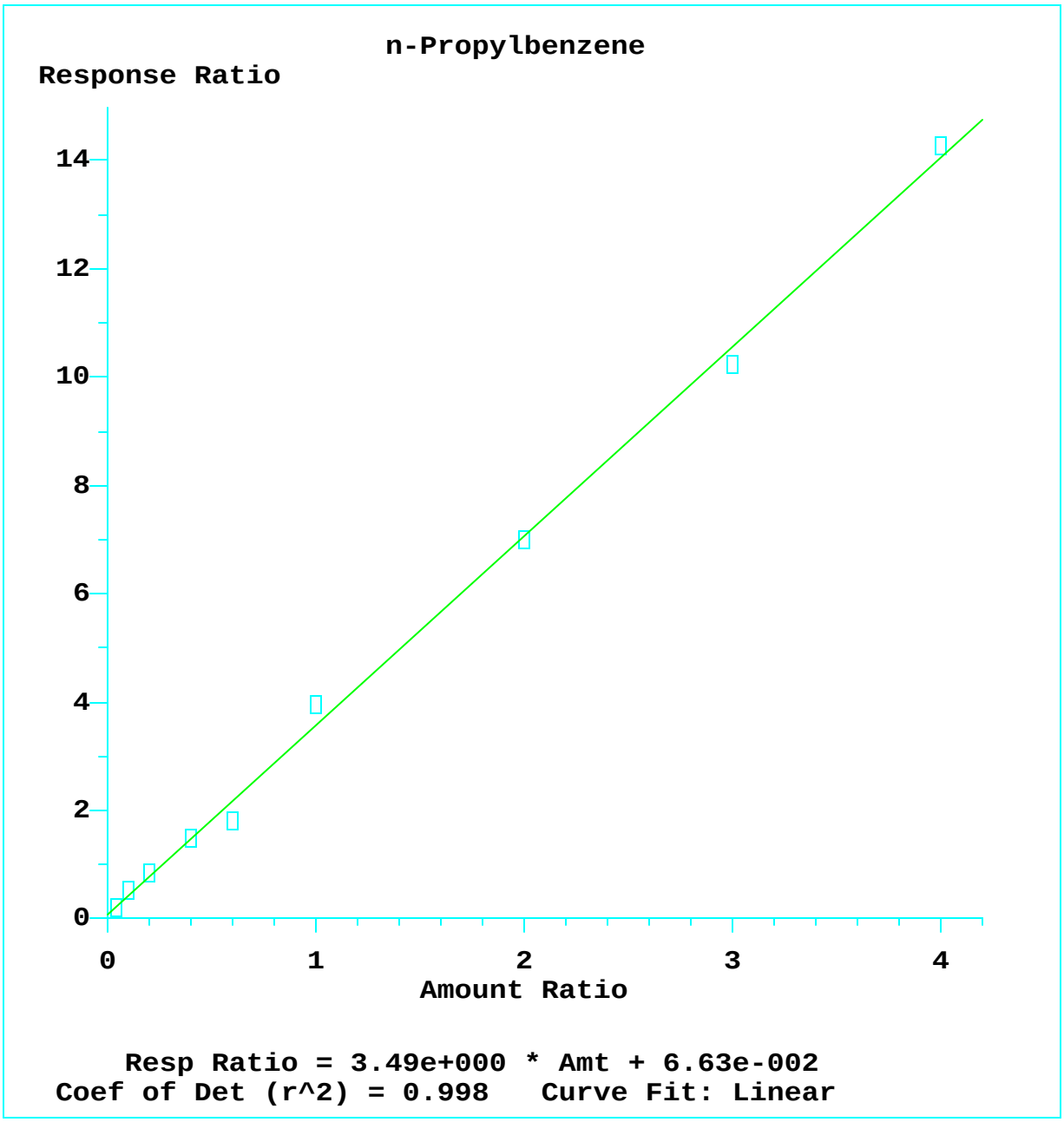
Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004



Method Name: D:\MSDCHEM\1\METHODS\VS032804.M
Calibration Table Last Updated: Tue Mar 30 10:41:24 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028279.D Vial: 3
Acq On : 28 Mar 2004 1:47 pm Operator: NH
Sample : 8260 ICAL 002 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:22:09 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Mar 29 09:35:01 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	150681	50.00 ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	249610	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.52	117	215675	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	103960	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	3664m	2.10 ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery	= 4.20%#	
42) Toluene-d8	8.92	98	14334	2.19 ug/kg	0.00
Spiked Amount 50.000			Recovery	= 4.38%	
59) 4-Bromofluorobenzene	11.56	95	5147	2.31 ug/kg	0.00
Spiked Amount 50.000			Recovery	= 4.62%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	3361m	1.56 ug/kg	
3) Chloromethane	1.62	50	7618	2.08 ug/kg#	42
4) Vinyl chloride	1.72	62	5195	1.69 ug/kg#	43
5) Bromomethane	2.00	94	4808m	1.15 ug/kg	
6) Chloroethane	2.09	64	3377m	1.87 ug/kg	
7) Trichlorofluoromethane	2.32	101	8108	1.65 ug/kg	100
8) Acrolein	2.70	56	1989m	4.44 ug/kg	
9) 1,1-Dichloroethene	2.82	96	4087	2.67 ug/kg#	70
10) Acetone	2.84	58	3161m	6.45 ug/kg	
11) Freon-113	2.82	101	3439m	0.68 µg/kg	
12) Iodomethane	2.97	142	2296m	14.92 ug/kg	
13) Carbon disulfide	3.05	76	23357	N.D.	
14) Vinyl acetate	3.20	43	4222	3.79 ug/kg#	58
15) Methyl Acetate	3.20	43	4222	1.90 µg/kg#	1
16) Methylene chloride	3.32	84	5922	Below Cal #	69
17) Acrylonitrile	3.60	53	1967m	2.89 ug/kg	
18) Methyl tert-butyl ether	3.69	73	3005m	7.13 µg/kg	
19) trans-1,2-Dichloroethene	3.67	96	3927m	1.77 ug/kg	
20) 1,1-Dichloroethane	4.23	63	6151	2.15 ug/kg#	51
21) 2,2-Dichloropropane	5.14	77	4787	2.25 ug/kg#	50
22) cis-1,2-Dichloroethene	5.14	96	4061	2.15 ug/kg#	74
23) 2-Butanone	5.18	72	990m	3.01 ug/kg	
24) Bromochloromethane	5.48	128	1602m	1.79 ug/kg	
25) Chloroform	5.61	83	6104	2.13 ug/kg#	18

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028279.D Vial: 3
Acq On : 28 Mar 2004 1:47 pm Operator: NH
Sample : 8260 ICAL 002 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:22:09 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Mar 29 09:35:01 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	5035	2.25 ug/kg#	24
27)	Cyclohexane	5.98	56	8958	1.71 µg/kg#	57
30)	1,1-Dichloropropene	6.13	110	1566m	1.55 ug/kg	
31)	Carbon tetrachloride	6.14	119	3873m	2.15 ug/kg	
32)	Benzene	6.41	78	17494	2.20 ug/kg#	52
33)	1,2-Dichloroethane	6.42	62	3905m	1.79 ug/kg	
34)	Trichloroethene	7.31	130	4045	2.45 ug/kg#	47
35)	Methylcyclohexane	7.58	55	4870	2.29 µg/kg#	86
36)	1,2-Dichloropropane	7.60	63	3540m	1.93 ug/kg	
37)	Dibromomethane	7.75	93	1866m	1.81 ug/kg	
38)	Bromodichloromethane	7.97	83	3895m	1.88 ug/kg	
39)	2-Chloroethyl vinyl ether	7.60	63	3540m	3.87 µg/kg	
40)	cis-1,3-Dichloropropene	9.29	75	3962m	1.65 ug/kg	
41)	4-Methyl-2-pentanone	9.79	43	7860	5.68 ug/kg#	74
43)	Toluene	9.00	92	8950	2.19 ug/kg	98
44)	trans-1,3-Dichloropropene	9.29	75	3962m	1.65 ug/kg	
45)	1,1,2-Trichloroethane	9.50	83	2258m	1.72 ug/kg	
47)	2-Hexanone	9.79	43	7860	10.58 ug/kg#	89
48)	Tetrachloroethene	9.67	166	3699m	1.94 ug/kg	
49)	1,3-Dichloropropane	9.68	76	4698	1.79 ug/kg#	43
50)	Dibromochloromethane	9.93	129	2627m	1.69 ug/kg	
51)	1,2-Dibromoethane	10.04	107	2713m	1.75 ug/kg	
52)	Chlorobenzene	10.54	112	9905	2.16 ug/kg#	54
53)	1,1,1,2-Tetrachloroethane	10.62	131	2872m	1.83 ug/kg	
54)	Ethylbenzene	10.65	91	16321	2.23 ug/kg	97
55)	m,p-Xylene	10.77	91	24339	4.29 ug/kg	100
56)	o-Xylene	11.12	91	12496	2.11 ug/kg	94
57)	Styrene	11.13	104	8846	1.85 ug/kg	89
58)	Bromoform	11.28	173	1451m	1.52 ug/kg	
61)	Bromobenzene	11.68	156	3603m	2.01 ug/kg	
62)	1,1,2,2-Tetrachloroethane	11.67	83	3209m	1.63 ug/kg	
63)	1,2,3-Trichloropropane	11.70	75	4663	1.60 ug/kg#	1
64)	Isopropylbenzene	11.43	105	15395	2.10 ug/kg	100
65)	n-Propylbenzene	11.77	91	18428	1.59 ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.72	124	295m	2.24 ug/kg	
67)	2-Chlorotoluene	11.84	91	10785	2.26 ug/kg#	39
68)	4-Chlorotoluene	11.92	91	11952	2.18 ug/kg#	42

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028279.D Vial: 3
Acq On : 28 Mar 2004 1:47 pm Operator: NH
Sample : 8260 ICAL 002 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:22:09 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Mar 29 09:35:01 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

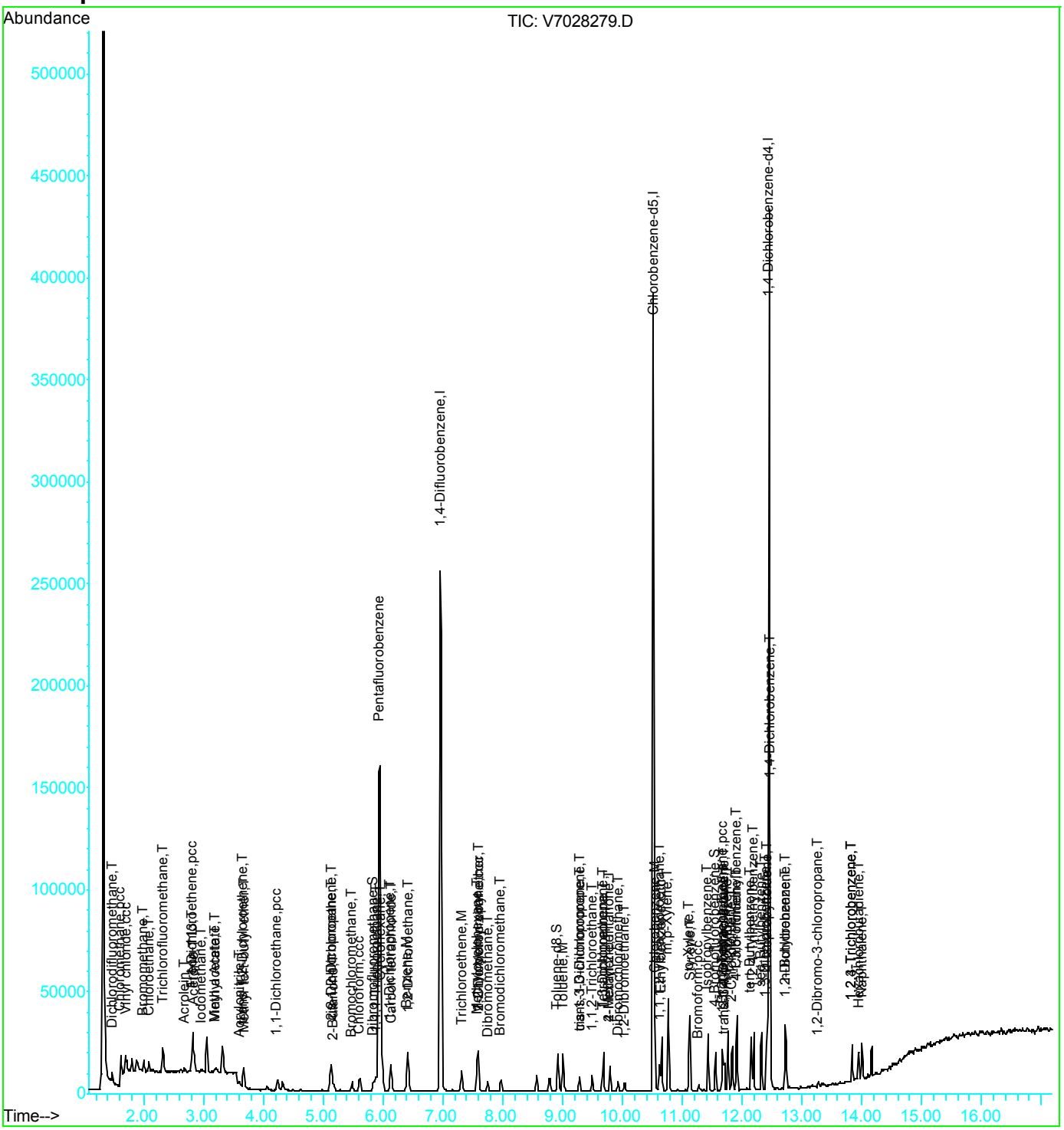
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	12035	2.17 ug/kg	95
70)	tert-Butylbenzene	12.15	119	12958	2.22 ug/kg#	79
71)	1,2,4-Trimethylbenzene	12.19	105	12964	2.26 ug/kg	94
72)	sec-Butylbenzene	12.33	105	16767	2.22 ug/kg#	55
73)	1,3-Dichlorobenzene	12.41	146	7386	2.25 ug/kg#	76
74)	4-Isopropyltoluene	12.43	119	14593	2.29 ug/kg#	50
75)	1,4-Dichlorobenzene	12.47	146	7851	2.30 ug/kg#	86
76)	1,2-Dichlorobenzene	12.74	146	6968	2.16 ug/kg#	76
77)	n-Butylbenzene	12.72	91	12917	2.29 ug/kg#	81
78)	1,2-Dibromo-3-chloropropan	13.28	75	589m	1.94 ug/kg	
79)	1,2,4-Trichlorobenzene	13.84	180	4429	2.29 ug/kg#	85
80)	Hexachlorobutadiene	13.96	225	2342m	2.32 ug/kg	
81)	Naphthalene	14.01	128	10462	2.07 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	4429	2.29 ug/kg#	83

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028279.D Vial: 3
Acq On : 28 Mar 2004 1:47 pm Operator: NH
Sample : 8260 ICAL 002 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:26 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:24:29 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:24:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	129076	50.00	ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	210816	50.00	ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	182920	50.00	ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.46	152	89451	50.00	ug/kg	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.84	113	3793m	2.57	ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery	=	5.14%#	
42) Toluene-d8	8.92	98	14511	2.62	ug/kg	0.00
Spiked Amount 50.000			Recovery	=	5.24%	
59) 4-Bromofluorobenzene	11.56	95	5322	2.82	ug/kg	0.00
Spiked Amount 50.000			Recovery	=	5.64%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	7646	4.13	ug/kg#	43
3) Chloromethane	1.62	50	16073	5.12	ug/kg	99
4) Vinyl chloride	1.72	62	12181	4.63	ug/kg#	43
5) Bromomethane	2.00	94	7193	3.83	ug/kg	96
6) Chloroethane	2.09	64	7132	4.61	ug/kg#	43
7) Trichlorofluoromethane	2.32	101	18025	4.28	ug/kg	99
8) Acrolein	2.70	56	3926m	10.27	ug/kg	
9) 1,1-Dichloroethene	2.82	96	8976	6.85	ug/kg	92
10) Acetone	2.85	58	4672	11.14	ug/kg	84
11) Freon-113	2.82	101	8880	5.77	µg/kg#	72
12) Iodomethane	2.97	142	8442	19.74	ug/kg#	44
13) Carbon disulfide	3.05	76	54968	10.10	ug/kg	100
14) Vinyl acetate	3.20	43	8224	8.61	ug/kg#	58
15) Methyl Acetate	3.20	43	8224	4.30	µg/kg#	1
16) Methylene chloride	3.32	84	11387	3.86	ug/kg	96
17) Acrylonitrile	3.60	53	5351	9.18	ug/kg#	79
18) Methyl tert-butyl ether	3.69	73	7521	9.22	µg/kg#	50
19) trans-1,2-Dichloroethene	3.67	96	9326	6.44	ug/kg	88
20) 1,1-Dichloroethane	4.23	63	15042	6.12	ug/kg#	91
21) 2,2-Dichloropropane	5.14	77	11829	6.49	ug/kg#	50
22) cis-1,2-Dichloroethene	5.14	96	9777	6.03	ug/kg	95
23) 2-Butanone	5.17	72	2836m	10.07	ug/kg	
24) Bromochloromethane	5.48	128	4111	5.35	ug/kg	94
25) Chloroform	5.61	83	14670	5.99	ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:24:29 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:24:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	12222	6.37	ug/kg#	53
27)	Cyclohexane	5.98	56	16915	6.13	µg/kg#	82
30)	1,1-Dichloropropene	6.13	110	4281	6.74	ug/kg#	77
31)	Carbon tetrachloride	6.13	119	9800	6.45	ug/kg	92
32)	Benzene	6.41	78	37595	6.36	ug/kg	98
33)	1,2-Dichloroethane	6.42	62	9395	5.10	ug/kg#	72
34)	Trichloroethene	7.31	130	9195	6.60	ug/kg	96
35)	Methylcyclohexane	7.59	55	11077	6.17	µg/kg#	83
36)	1,2-Dichloropropane	7.60	63	9156	5.92	ug/kg#	100
37)	Dibromomethane	7.75	93	4459	5.12	ug/kg#	55
38)	Bromodichloromethane	7.97	83	9261m	4.95	ug/kg	
39)	2-Chloroethyl vinyl ether	7.60	63	9156	11.85	µg/kg#	15
40)	cis-1,3-Dichloropropene	9.29	75	10878	5.37	ug/kg#	54
41)	4-Methyl-2-pentanone	9.79	43	12445	10.91	ug/kg#	76
43)	Toluene	9.00	92	20792	6.01	ug/kg	92
44)	trans-1,3-Dichloropropene	9.29	75	10878	5.37	ug/kg#	45
45)	1,1,2-Trichloroethane	9.50	83	5746	5.17	ug/kg#	71
47)	2-Hexanone	9.79	43	12445	15.72	ug/kg#	86
48)	Tetrachloroethene	9.67	166	8715	6.78	ug/kg	93
49)	1,3-Dichloropropane	9.68	76	11546	5.18	ug/kg#	43
50)	Dibromochloromethane	9.93	129	6840	5.19	ug/kg	99
51)	1,2-Dibromoethane	10.04	107	6494	4.94	ug/kg#	98
52)	Chlorobenzene	10.54	112	24460	6.29	ug/kg	91
53)	1,1,1,2-Tetrachloroethane	10.62	131	7435	5.58	ug/kg	97
54)	Ethylbenzene	10.65	91	38666	6.23	ug/kg	100
55)	m,p-Xylene	10.77	91	58402	12.13	ug/kg	99
56)	o-Xylene	11.12	91	30008	5.98	ug/kg	96
57)	Styrene	11.13	104	22970	5.68	ug/kg	94
58)	Bromoform	11.28	173	3792m	4.67	ug/kg	
61)	Bromobenzene	11.68	156	9007	5.83	ug/kg#	69
62)	1,1,2,2-Tetrachloroethane	11.67	83	8716	5.15	ug/kg#	94
63)	1,2,3-Trichloropropane	11.71	75	12355	4.92	ug/kg#	1
64)	Isopropylbenzene	11.43	105	37918	6.69	ug/kg	99
65)	n-Propylbenzene	11.77	91	44672	6.20	ug/kg	98
66)	trans-1,4-Dichloro-2-buten	11.71	124	1045m	9.23	ug/kg	
67)	2-Chlorotoluene	11.84	91	25205	6.15	ug/kg	99
68)	4-Chlorotoluene	11.92	91	28924	6.13	ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:24:29 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:24:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

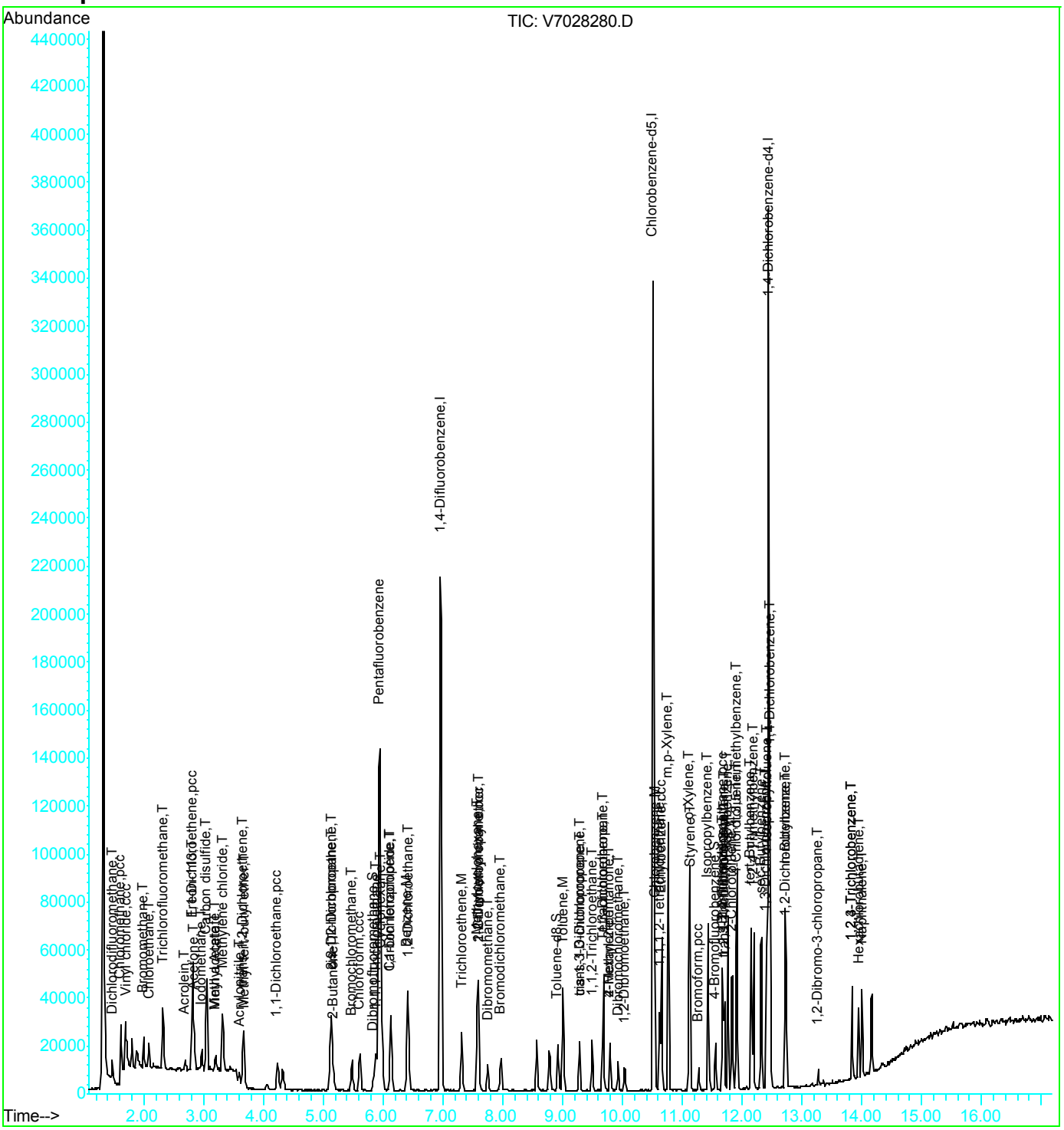
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	28855	6.05 ug/kg	97
70)	tert-Butylbenzene	12.15	119	31546	6.28 ug/kg	93
71)	1,2,4-Trimethylbenzene	12.19	105	29950	6.06 ug/kg	85
72)	sec-Butylbenzene	12.33	105	40763	6.26 ug/kg	99
73)	1,3-Dichlorobenzene	12.41	146	17675	6.25 ug/kg	93
74)	4-Isopropyltoluene	12.43	119	33950	6.19 ug/kg	97
75)	1,4-Dichlorobenzene	12.47	146	18026	6.13 ug/kg	95
76)	1,2-Dichlorobenzene	12.74	146	16419	5.91 ug/kg	97
77)	n-Butylbenzene	12.72	91	30041	6.19 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	1184m	4.54 ug/kg	
79)	1,2,4-Trichlorobenzene	13.84	180	9845	5.92 ug/kg#	84
80)	Hexachlorobutadiene	13.96	225	5349	6.15 ug/kg#	20
81)	Naphthalene	14.01	128	21569	4.97 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	9845	5.92 ug/kg#	82

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: VS032804.

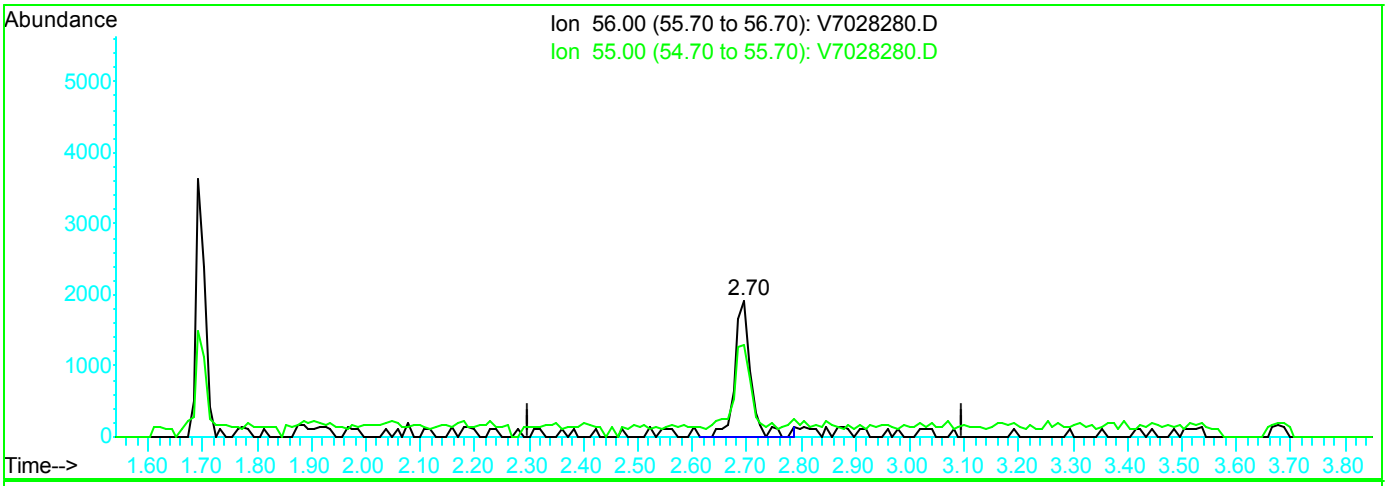
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

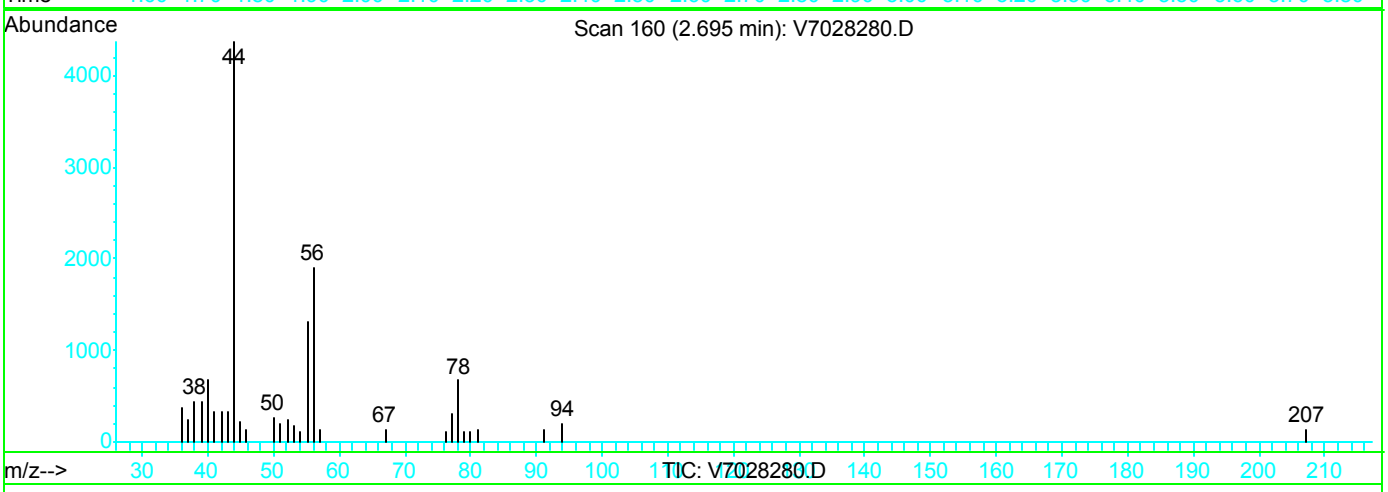


Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(8) Acrolein (T)

2.70min 10.27ug/kg m

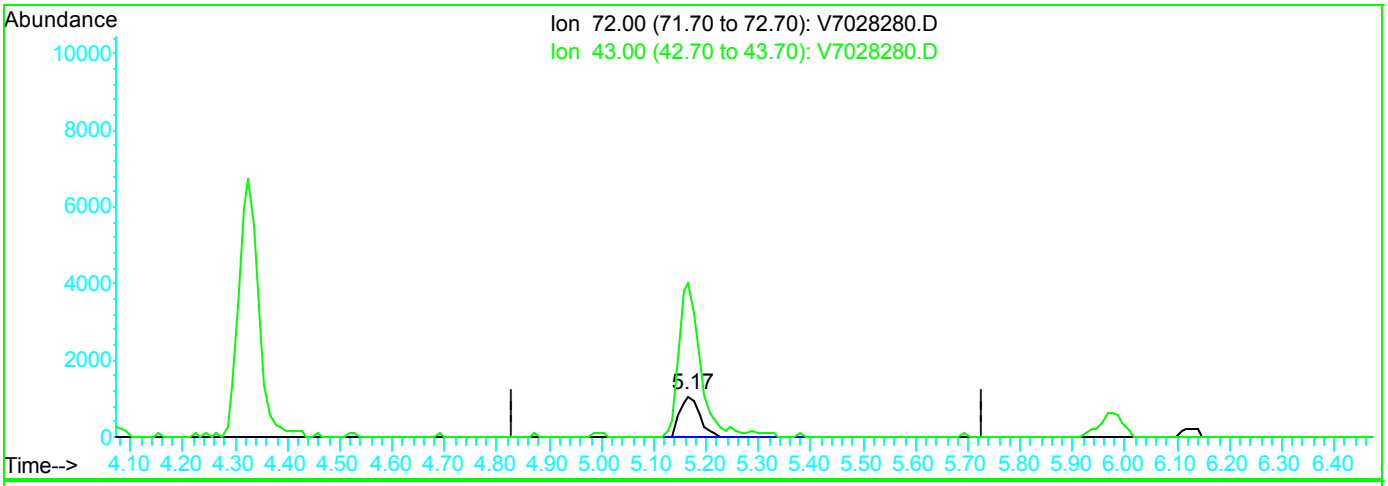
response 3926

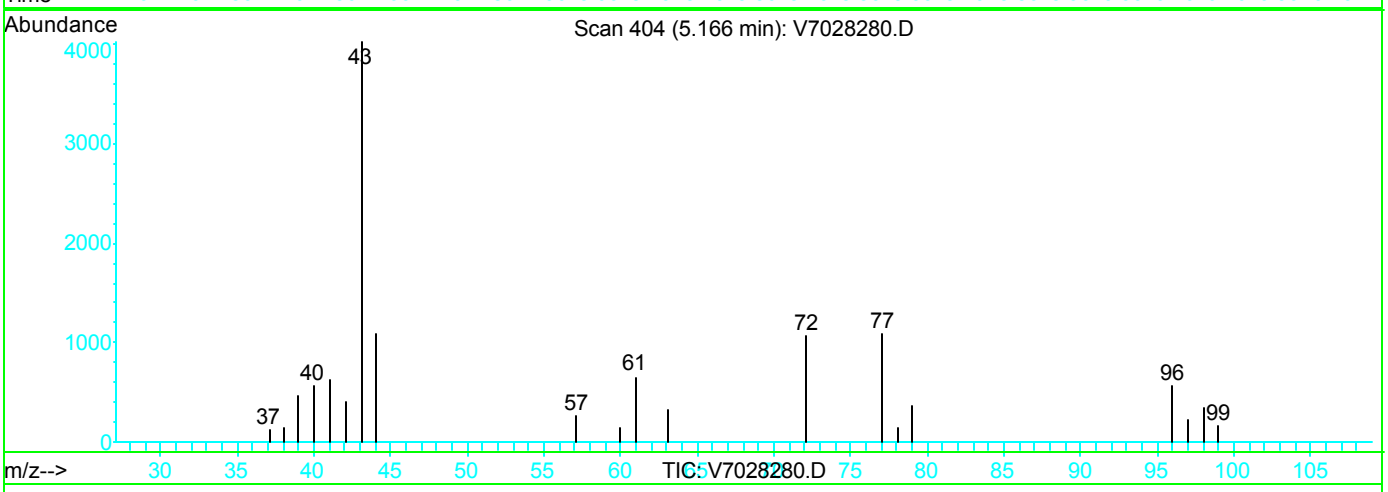
Ion	Exp%	Act%
56.00	100	100
55.00	71.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(23) 2-Butanone (T)

5.17min 10.07ug/kg m

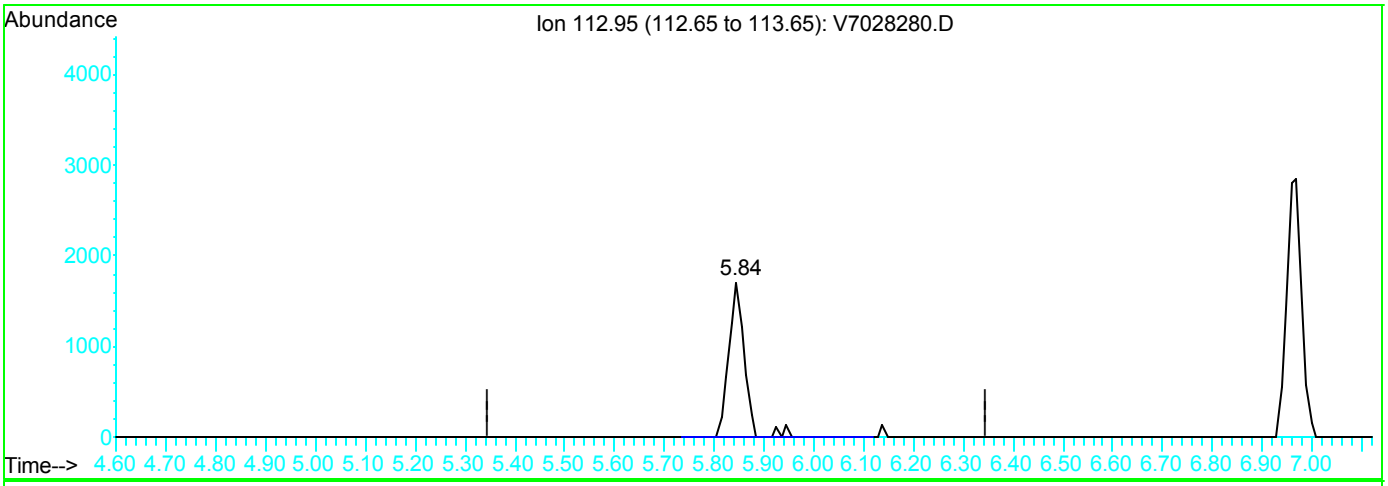
response 2836

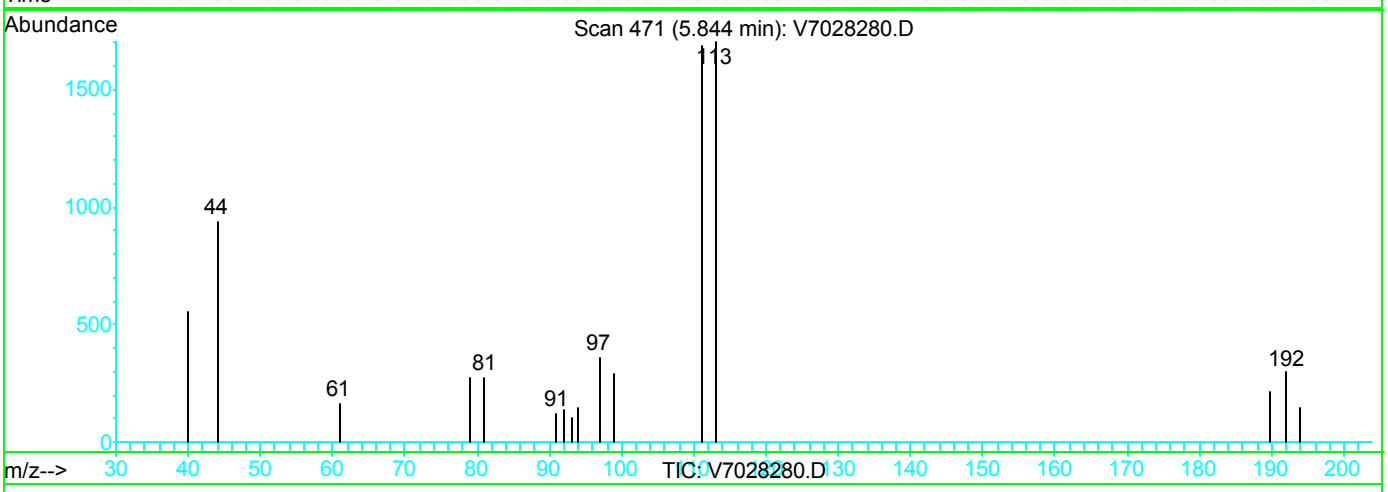
Ion	Exp%	Act%
72.00	100	100
43.00	383.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(29) Dibromofluoromethane (S)

5.84min 2.57ug/kg m

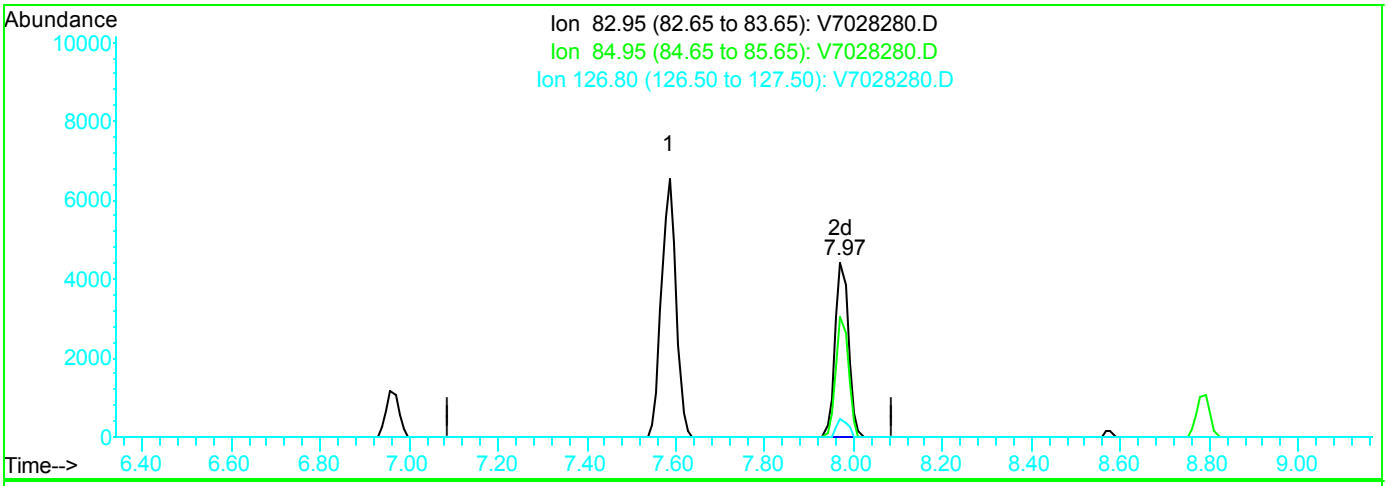
response 3793

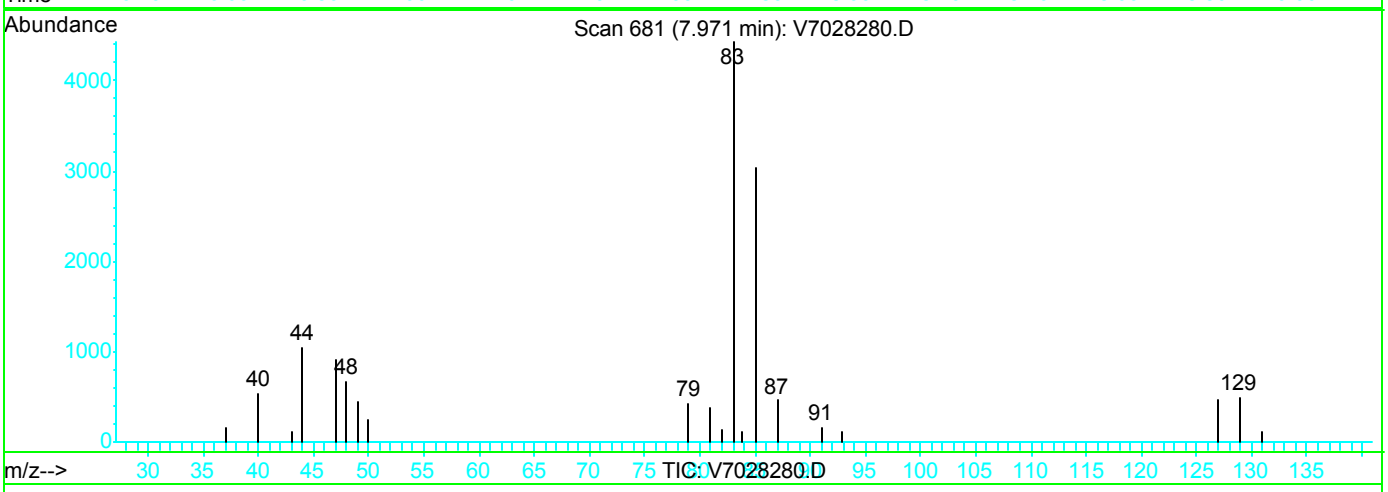
Ion	Exp%	Act%
112.95	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(38) Bromodichloromethane (T)

7.97min 4.95ug/kg m

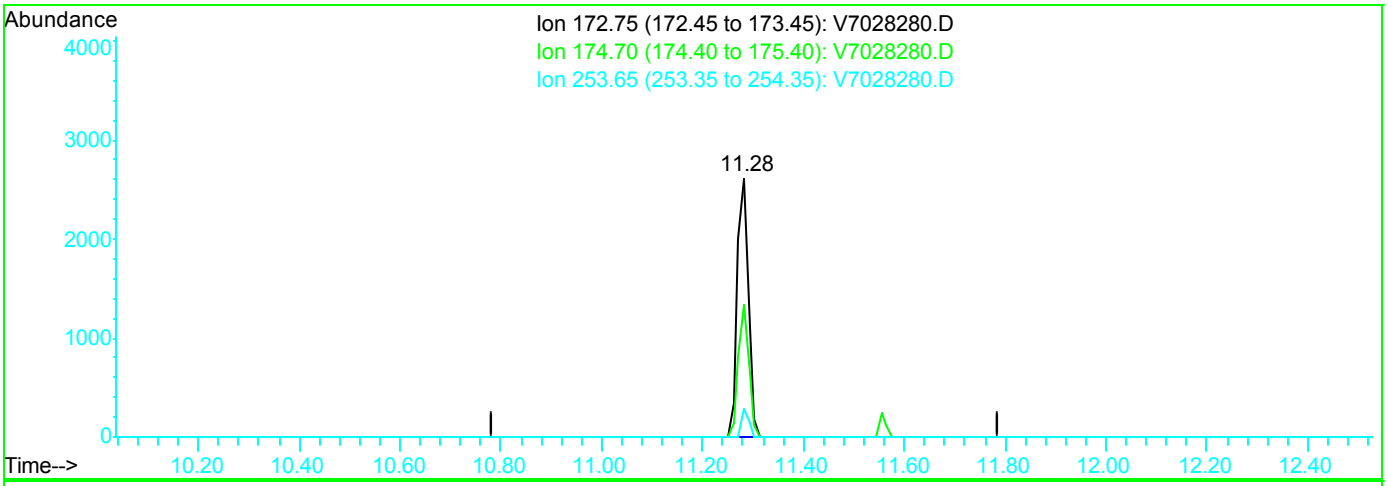
response 9261

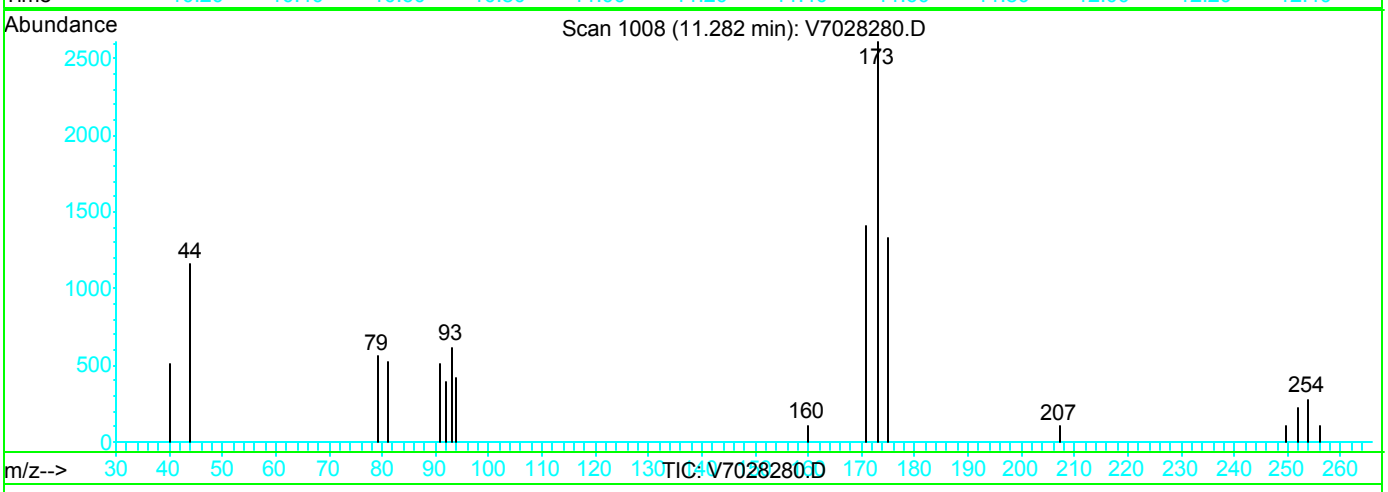
Ion	Exp%	Act%
82.95	100	100
84.95	63.60	0.00#
126.80	8.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(58) Bromoform (pcc)

11.28min 4.67ug/kg m

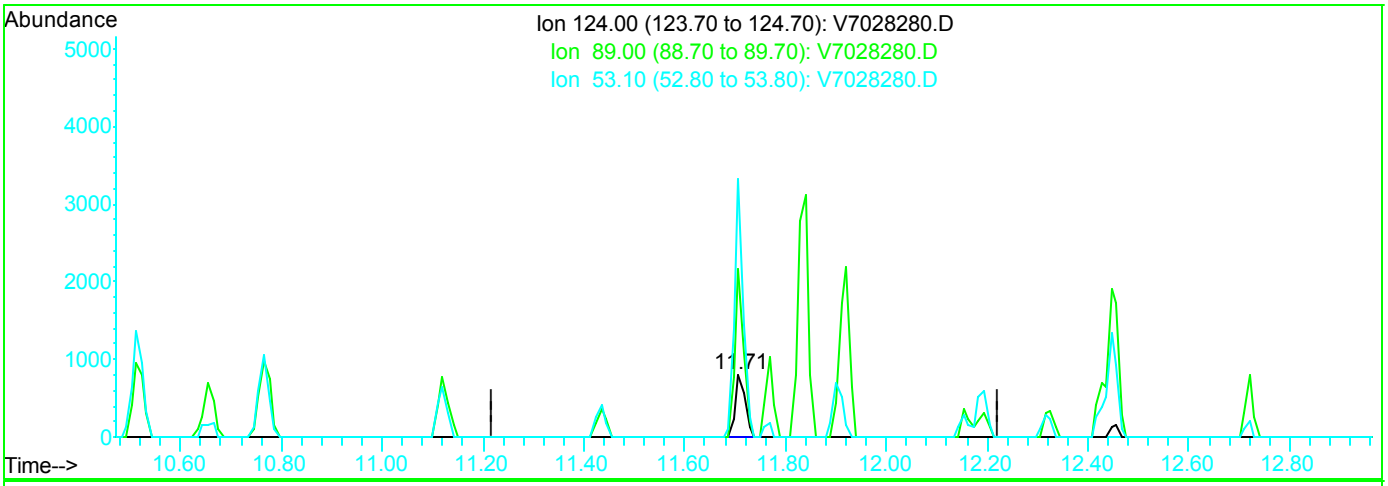
response 3792

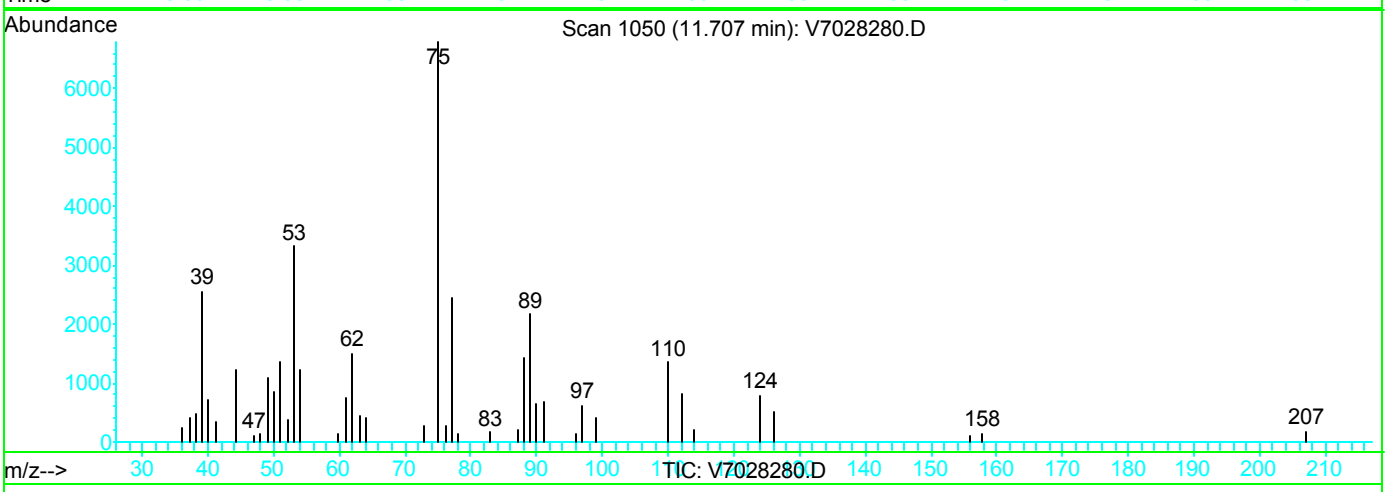
Ion	Exp%	Act%
172.75	100	100
174.70	48.30	0.00#
253.65	8.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





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

11.71min 9.23ug/kg m

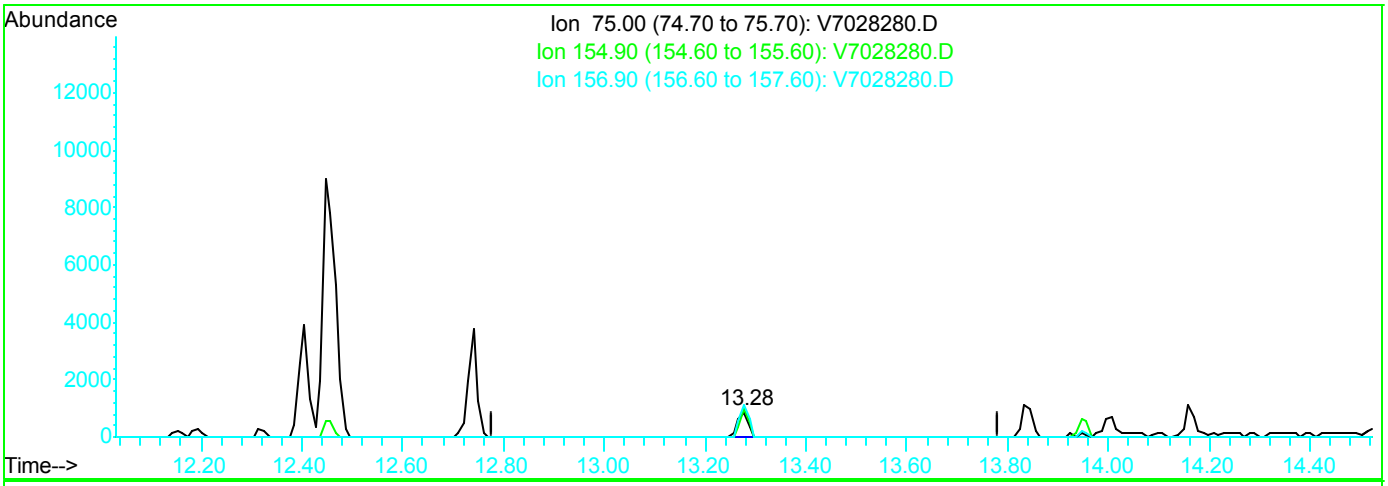
response 1045

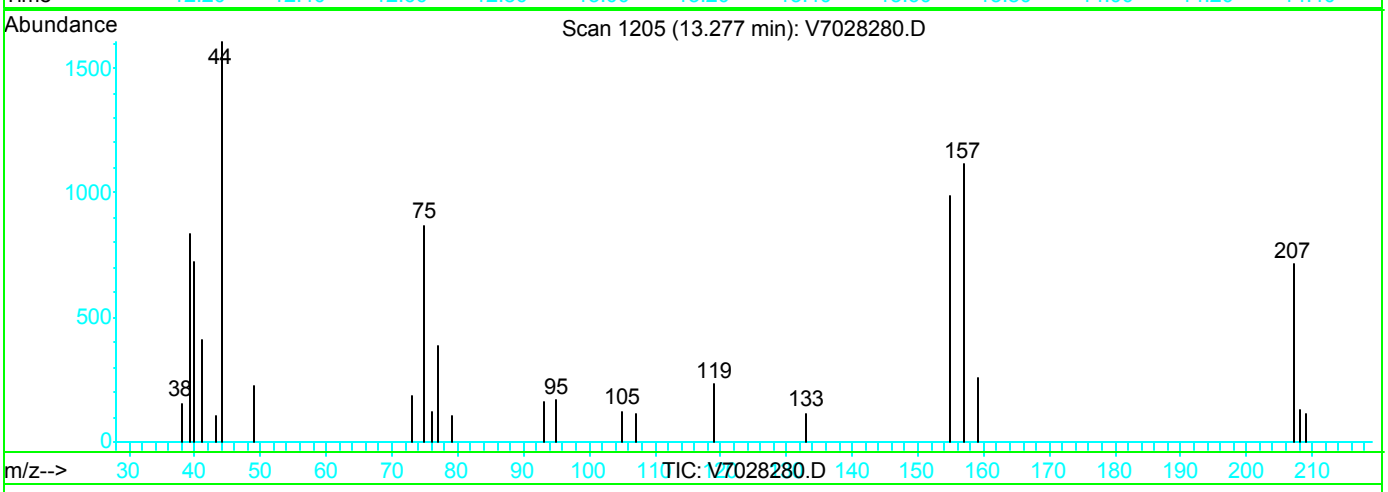
Ion	Exp%	Act%
124.00	100	100
89.00	349.20	0.00#
53.10	433.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028280.D Vial: 4
Acq On : 28 Mar 2004 2:17 pm Operator: NH
Sample : 8260 ICAL 005 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:25 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





TIC: V7028280.D

(78) 1,2-Dibromo-3-chloropropane (T)

13.28min 4.54ug/kg m

response 1184

Ion	Exp%	Act%
75.00	100	100
154.90	105.70	0.00#
156.90	142.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:26:25 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:26:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	124343	50.00	ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	202525	50.00	ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	177067	50.00	ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	86612	50.00	ug/kg	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.84	113	16803	11.87	ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 23.74%#			
42) Toluene-d8	8.92	98	65525	12.32	ug/kg	0.00
Spiked Amount 50.000			Recovery = 24.64%			
59) 4-Bromofluorobenzene	11.56	95	21617	11.83	ug/kg	0.00
Spiked Amount 50.000			Recovery = 23.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	17436	9.78	ug/kg	100
3) Chloromethane	1.62	50	31319	10.35	ug/kg	99
4) Vinyl chloride	1.71	62	24806	9.78	ug/kg	99
5) Bromomethane	2.00	94	13125	9.34	ug/kg	96
6) Chloroethane	2.09	64	15719	10.55	ug/kg	91
7) Trichlorofluoromethane	2.32	101	40151	9.90	ug/kg	99
8) Acrolein	2.70	56	7477	20.26	ug/kg	83
9) 1,1-Dichloroethene	2.82	96	13349	10.57	ug/kg	97
10) Acetone	2.84	58	9185	22.73	ug/kg	88
11) Freon-113	2.82	101	12673	9.44	µg/kg	98
12) Iodomethane	2.97	142	14640	24.77	ug/kg#	83
13) Carbon disulfide	3.05	76	82713	18.71	ug/kg	100
14) Vinyl acetate	3.20	43	18214	19.79	ug/kg#	89
15) Methyl Acetate	3.20	43	18214	9.90	µg/kg#	1
16) Methylene chloride	3.32	84	18145	8.74	ug/kg	97
17) Acrylonitrile	3.60	53	12495	22.26	ug/kg#	79
18) Methyl tert-butyl ether	3.68	73	16840	13.42	µg/kg#	50
19) trans-1,2-Dichloroethene	3.67	96	13824	10.37	ug/kg	94
20) 1,1-Dichloroethane	4.23	63	23915	10.11	ug/kg#	91
21) 2,2-Dichloropropane	5.14	77	18166	10.35	ug/kg	99
22) cis-1,2-Dichloroethene	5.14	96	15723	10.07	ug/kg	97
23) 2-Butanone	5.16	72	6380	23.52	ug/kg	90
24) Bromochloromethane	5.48	128	7638	10.32	ug/kg	95
25) Chloroform	5.61	83	24525	10.39	ug/kg	95

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:26:25 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:26:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	19126	10.34 ug/kg#	54
27)	Cyclohexane	5.98	56	24617	10.27 µg/kg#	85
30)	1,1-Dichloropropene	6.13	110	6302	10.74 ug/kg	96
31)	Carbon tetrachloride	6.13	119	14786	10.14 ug/kg	95
32)	Benzene	6.41	78	58995	10.70 ug/kg	99
33)	1,2-Dichloroethane	6.42	62	17920	10.12 ug/kg#	72
34)	Trichloroethene	7.31	130	14107	10.54 ug/kg	94
35)	Methylcyclohexane	7.59	55	17004	9.85 µg/kg	93
36)	1,2-Dichloropropane	7.60	63	15404	10.38 ug/kg#	100
37)	Dibromomethane	7.75	93	8925	10.67 ug/kg	90
38)	Bromodichloromethane	7.97	83	17749	10.55 ug/kg#	97
39)	2-Chloroethyl vinyl ether	7.60	63	15404	20.75 µg/kg#	49
40)	cis-1,3-Dichloropropene	9.29	75	21537	11.07 ug/kg#	82
41)	4-Methyl-2-pentanone	9.79	43	24600	22.75 ug/kg#	77
43)	Toluene	9.00	92	35813	10.78 ug/kg	99
44)	trans-1,3-Dichloropropene	9.29	75	21537	11.07 ug/kg	99
45)	1,1,2-Trichloroethane	9.49	83	12326	11.54 ug/kg	96
47)	2-Hexanone	9.79	43	24600	27.26 ug/kg#	85
48)	Tetrachloroethene	9.67	166	13274	11.11 ug/kg	95
49)	1,3-Dichloropropane	9.68	76	23874	11.08 ug/kg	99
50)	Dibromochloromethane	9.93	129	13859	10.85 ug/kg	99
51)	1,2-Dibromoethane	10.04	107	13937	10.95 ug/kg#	99
52)	Chlorobenzene	10.54	112	40964	10.89 ug/kg	93
53)	1,1,1,2-Tetrachloroethane	10.62	131	14118	10.95 ug/kg	99
54)	Ethylbenzene	10.65	91	64221	10.69 ug/kg	97
55)	m,p-Xylene	10.77	91	98246	21.08 ug/kg	98
56)	o-Xylene	11.12	91	51127	10.53 ug/kg	96
57)	Styrene	11.13	104	41418	10.58 ug/kg	97
58)	Bromoform	11.28	173	8720	11.10 ug/kg#	95
61)	Bromobenzene	11.68	156	17374	11.62 ug/kg#	67
62)	1,1,2,2-Tetrachloroethane	11.67	83	19713	12.04 ug/kg#	95
63)	1,2,3-Trichloropropane	11.70	75	28528	11.73 ug/kg#	1
64)	Isopropylbenzene	11.43	105	60382	11.24 ug/kg	100
65)	n-Propylbenzene	11.77	91	72320	11.01 ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.71	124	2533m	23.10 ug/kg	
67)	2-Chlorotoluene	11.84	91	44239	11.15 ug/kg	100
68)	4-Chlorotoluene	11.92	91	50112	10.97 ug/kg	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:26:25 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:26:20 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

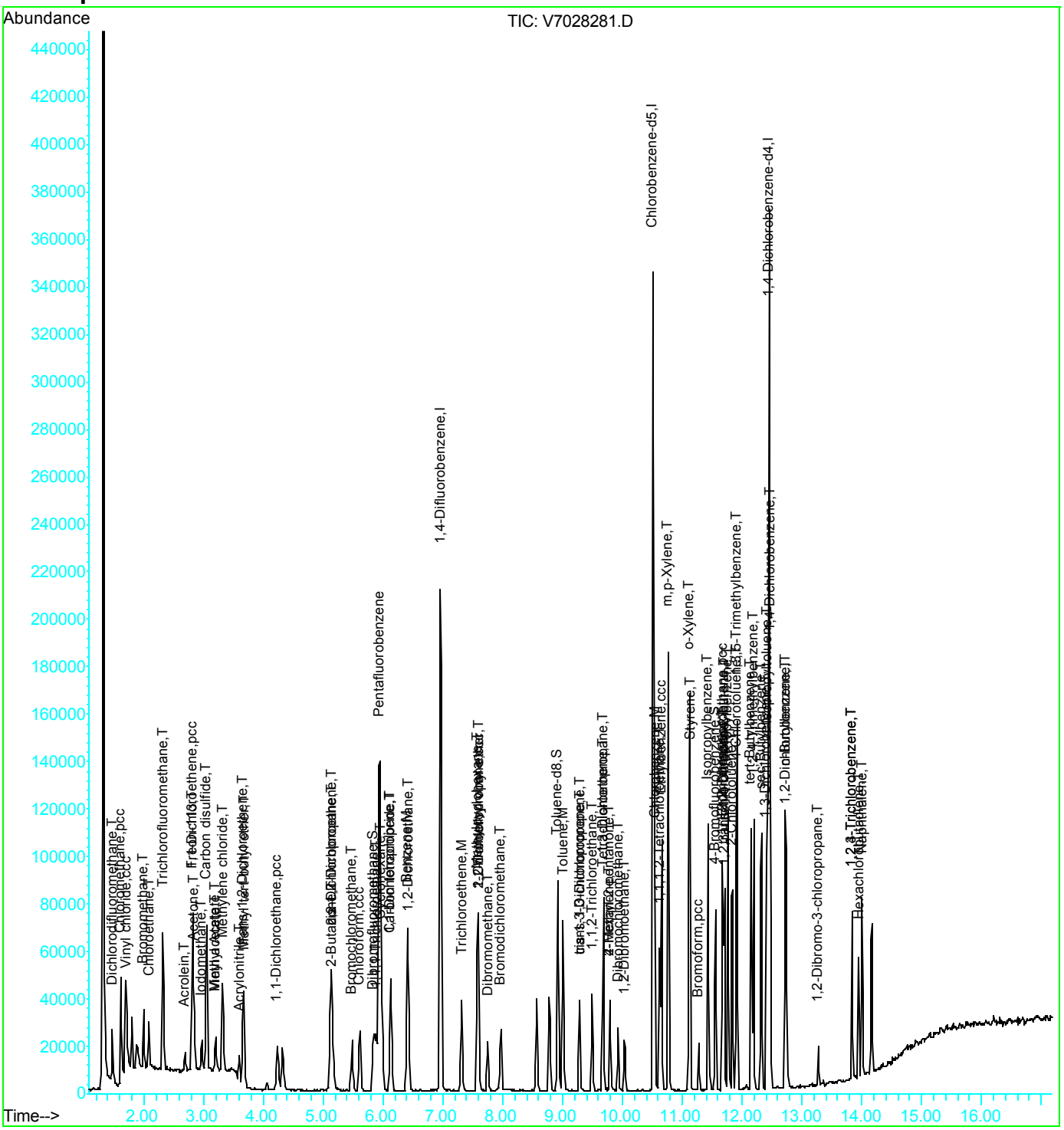
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	49507	10.72 ug/kg	99
70)	tert-Butylbenzene	12.15	119	51436	10.57 ug/kg	91
71)	1,2,4-Trimethylbenzene	12.19	105	51590	10.78 ug/kg	87
72)	sec-Butylbenzene	12.33	105	66230	10.51 ug/kg	99
73)	1,3-Dichlorobenzene	12.41	146	30899	11.29 ug/kg	98
74)	4-Isopropyltoluene	12.43	119	55923	10.53 ug/kg	98
75)	1,4-Dichlorobenzene	12.47	146	32285	11.34 ug/kg	96
76)	1,2-Dichlorobenzene	12.74	146	30347	11.28 ug/kg	98
77)	n-Butylbenzene	12.72	91	47968	10.21 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	2856m	11.32 ug/kg	
79)	1,2,4-Trichlorobenzene	13.84	180	17723	11.01 ug/kg	97
80)	Hexachlorobutadiene	13.96	225	8493	10.08 ug/kg	97
81)	Naphthalene	14.01	128	45492	10.83 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	17723	11.01 ug/kg	97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30 2004 Quant Results File: VS032804.

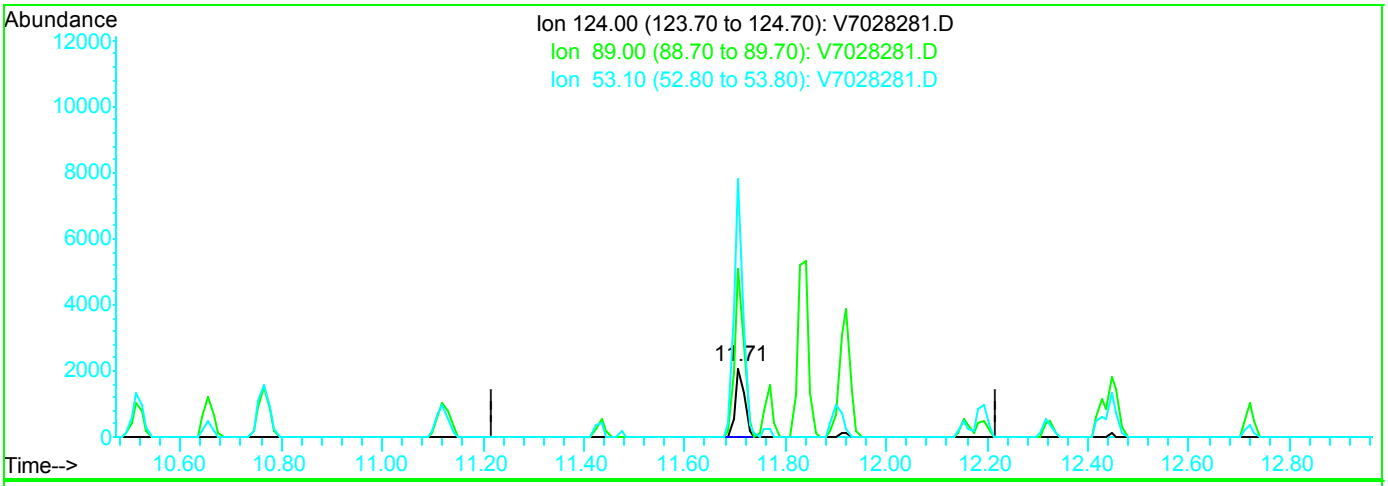
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

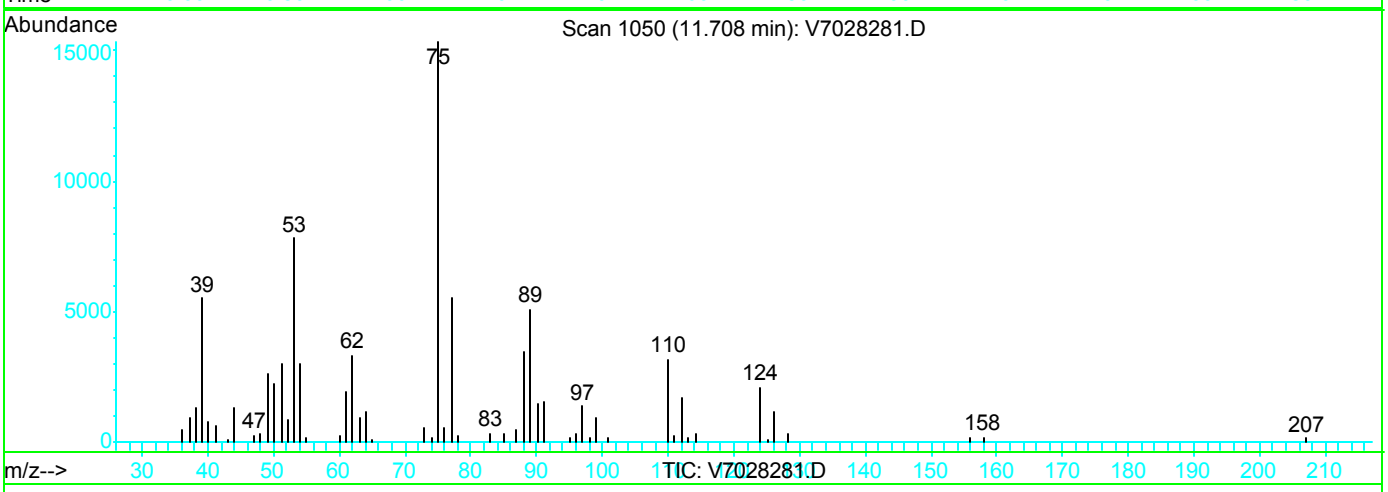


Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





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

11.71min 23.10ug/kg m

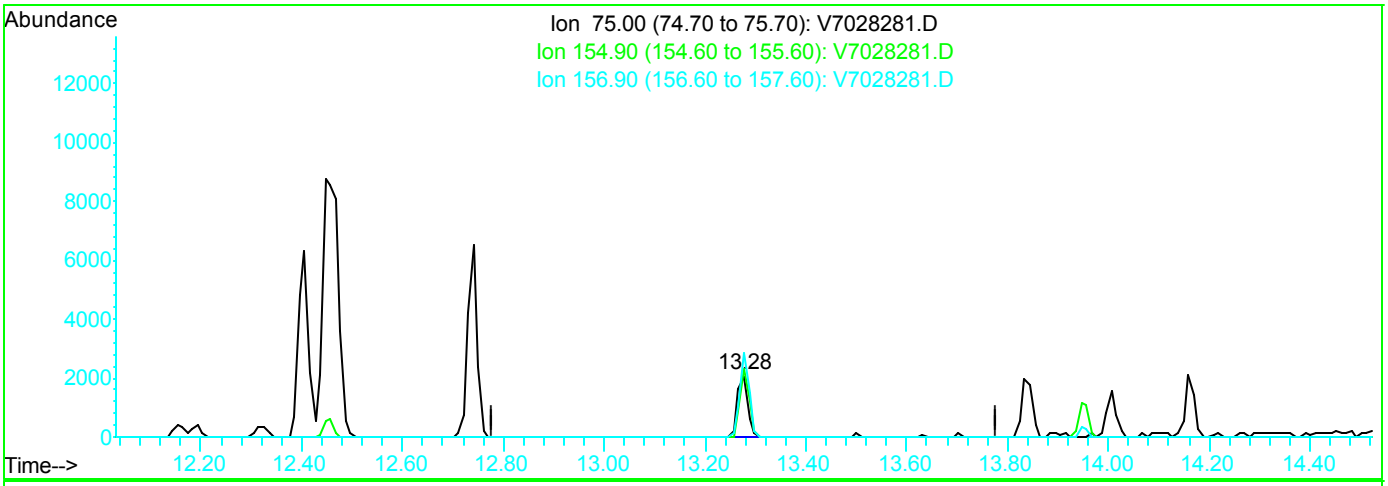
response 2533

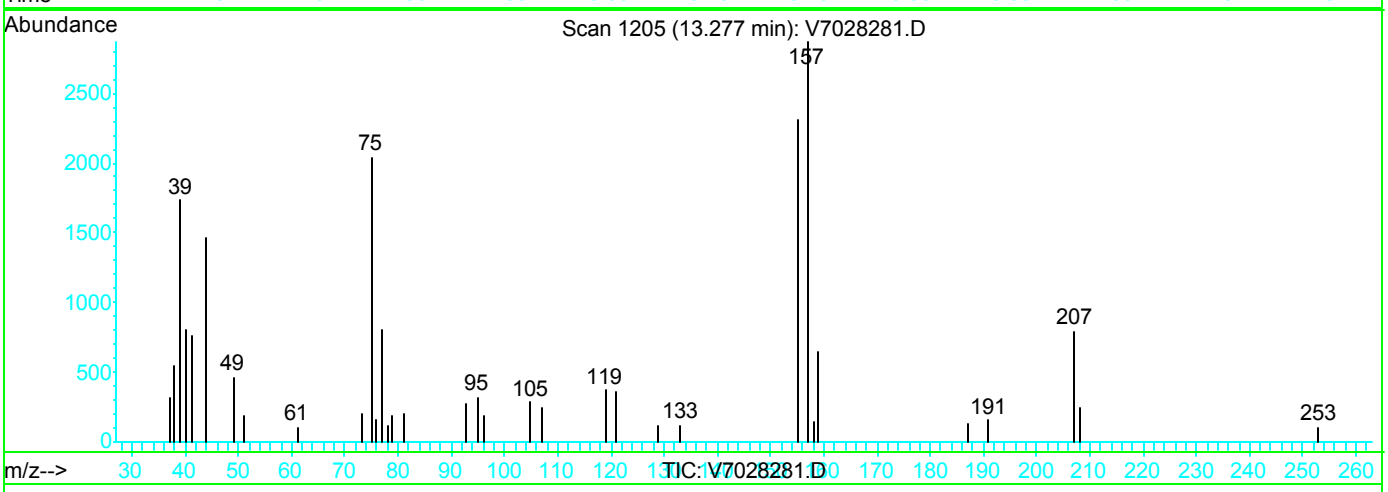
Ion	Exp%	Act%
124.00	100	100
89.00	349.20	0.00#
53.10	433.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028281.D Vial: 5
Acq On : 28 Mar 2004 2:47 pm Operator: NH
Sample : 8260 ICAL 010 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





(78) 1,2-Dibromo-3-chloropropane (T)

13.28min 11.32ug/kg m

response 2856

Ion	Exp%	Act%
75.00	100	100
154.90	105.70	0.00#
156.90	142.60	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028282.D Vial: 6
Acq On : 28 Mar 2004 3:08 pm Operator: NH
Sample : 8260 ICAL 020 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30:50 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:30:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	118881	50.00 ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	194163	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	169241	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	84346	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	24006	17.69 ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 35.38%#		
42) Toluene-d8	8.92	98	87724	17.21 ug/kg	0.00
Spiked Amount 50.000			Recovery = 34.42%		
59) 4-Bromofluorobenzene	11.56	95	30624	17.53 ug/kg	0.00
Spiked Amount 50.000			Recovery = 35.06%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	33571	19.69 ug/kg	98
3) Chloromethane	1.62	50	57379	19.84 ug/kg	97
4) Vinyl chloride	1.72	62	49032	20.22 ug/kg	100
5) Bromomethane	2.00	94	26124	21.96 ug/kg	97
6) Chloroethane	2.09	64	29141	20.45 ug/kg	99
7) Trichlorofluoromethane	2.32	101	78387	20.21 ug/kg	100
8) Acrolein	2.68	56	13229	37.49 ug/kg	97
9) 1,1-Dichloroethene	2.82	96	24594	20.38 ug/kg	99
10) Acetone	2.84	58	14721	38.10 ug/kg	79
11) Freon-113	2.82	101	23891	20.41 µg/kg	98
12) Iodomethane	2.97	142	31431	38.87 ug/kg	92
13) Carbon disulfide	3.05	76	153125	41.12 ug/kg	100
14) Vinyl acetate	3.20	43	35353	40.19 ug/kg#	92
15) Methyl Acetate	3.20	43	35353	20.09 µg/kg#	1
16) Methylene chloride	3.32	84	32607	19.60 ug/kg	96
17) Acrylonitrile	3.60	53	21848	40.71 ug/kg	94
18) Methyl tert-butyl ether	3.68	73	31156	20.31 µg/kg	97
19) trans-1,2-Dichloroethene	3.67	96	25792	21.06 ug/kg	95
20) 1,1-Dichloroethane	4.23	63	44700	19.76 ug/kg	97
21) 2,2-Dichloropropane	5.14	77	33161	19.76 ug/kg	99
22) cis-1,2-Dichloroethene	5.14	96	29155	19.54 ug/kg	98
23) 2-Butanone	5.16	72	10232	39.45 ug/kg	89
24) Bromochloromethane	5.48	128	14631	20.68 ug/kg	97
25) Chloroform	5.61	83	44302	19.63 ug/kg	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028282.D Vial: 6
Acq On : 28 Mar 2004 3:08 pm Operator: NH
Sample : 8260 ICAL 020 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30:50 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:30:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	35529	20.10 ug/kg	93
27)	Cyclohexane	5.98	56	43873	20.86 µg/kg#	92
30)	1,1-Dichloropropene	6.13	110	11472	21.08 ug/kg	90
31)	Carbon tetrachloride	6.13	119	28097	20.09 ug/kg	94
32)	Benzene	6.41	78	108683	21.01 ug/kg	99
33)	1,2-Dichloroethane	6.42	62	33793	19.91 ug/kg#	72
34)	Trichloroethene	7.31	130	26464	20.63 ug/kg	95
35)	Methylcyclohexane	7.58	55	32152	19.43 µg/kg	94
36)	1,2-Dichloropropane	7.60	63	28655	20.13 ug/kg#	100
37)	Dibromomethane	7.75	93	15950	19.89 ug/kg	92
38)	Bromodichloromethane	7.97	83	31217	19.36 ug/kg#	97
39)	2-Chloroethyl vinyl ether	7.60	63	28655	40.26 µg/kg#	48
40)	cis-1,3-Dichloropropene	9.29	75	35302	18.92 ug/kg	96
41)	4-Methyl-2-pentanone	9.79	43	39149	37.95 ug/kg#	79
43)	Toluene	9.00	92	63805	20.03 ug/kg	99
44)	trans-1,3-Dichloropropene	9.29	75	35302	18.92 ug/kg	98
45)	1,1,2-Trichloroethane	9.50	83	20100	19.63 ug/kg	100
47)	2-Hexanone	9.79	43	39149	42.29 ug/kg	94
48)	Tetrachloroethene	9.67	166	23201	20.96 ug/kg	93
49)	1,3-Dichloropropane	9.68	76	40247	19.53 ug/kg	99
50)	Dibromochloromethane	9.93	129	23445	19.21 ug/kg	99
51)	1,2-Dibromoethane	10.04	107	23794	19.55 ug/kg#	100
52)	Chlorobenzene	10.54	112	70935	19.73 ug/kg	96
53)	1,1,1,2-Tetrachloroethane	10.62	131	24059	19.52 ug/kg	100
54)	Ethylbenzene	10.65	91	112706	19.63 ug/kg	98
55)	m,p-Xylene	10.77	91	172089	38.62 ug/kg	100
56)	o-Xylene	11.12	91	88503	19.07 ug/kg	98
57)	Styrene	11.13	104	71640	19.14 ug/kg	97
58)	Bromoform	11.28	173	14299	19.05 ug/kg#	94
61)	Bromobenzene	11.68	156	29107	19.98 ug/kg#	68
62)	1,1,2,2-Tetrachloroethane	11.67	83	31551	19.79 ug/kg#	95
63)	1,2,3-Trichloropropane	11.71	75	46313	19.55 ug/kg#	1
64)	Isopropylbenzene	11.43	105	107340	20.82 ug/kg	98
65)	n-Propylbenzene	11.77	91	125403	20.34 ug/kg	98
66)	trans-1,4-Dichloro-2-buten	11.71	124	3786m	35.45 ug/kg	
67)	2-Chlorotoluene	11.84	91	75061	19.43 ug/kg	99
68)	4-Chlorotoluene	11.92	91	86676	19.48 ug/kg	98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028282.D Vial: 6
Acq On : 28 Mar 2004 3:08 pm Operator: NH
Sample : 8260 ICAL 020 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:30:50 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:30:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

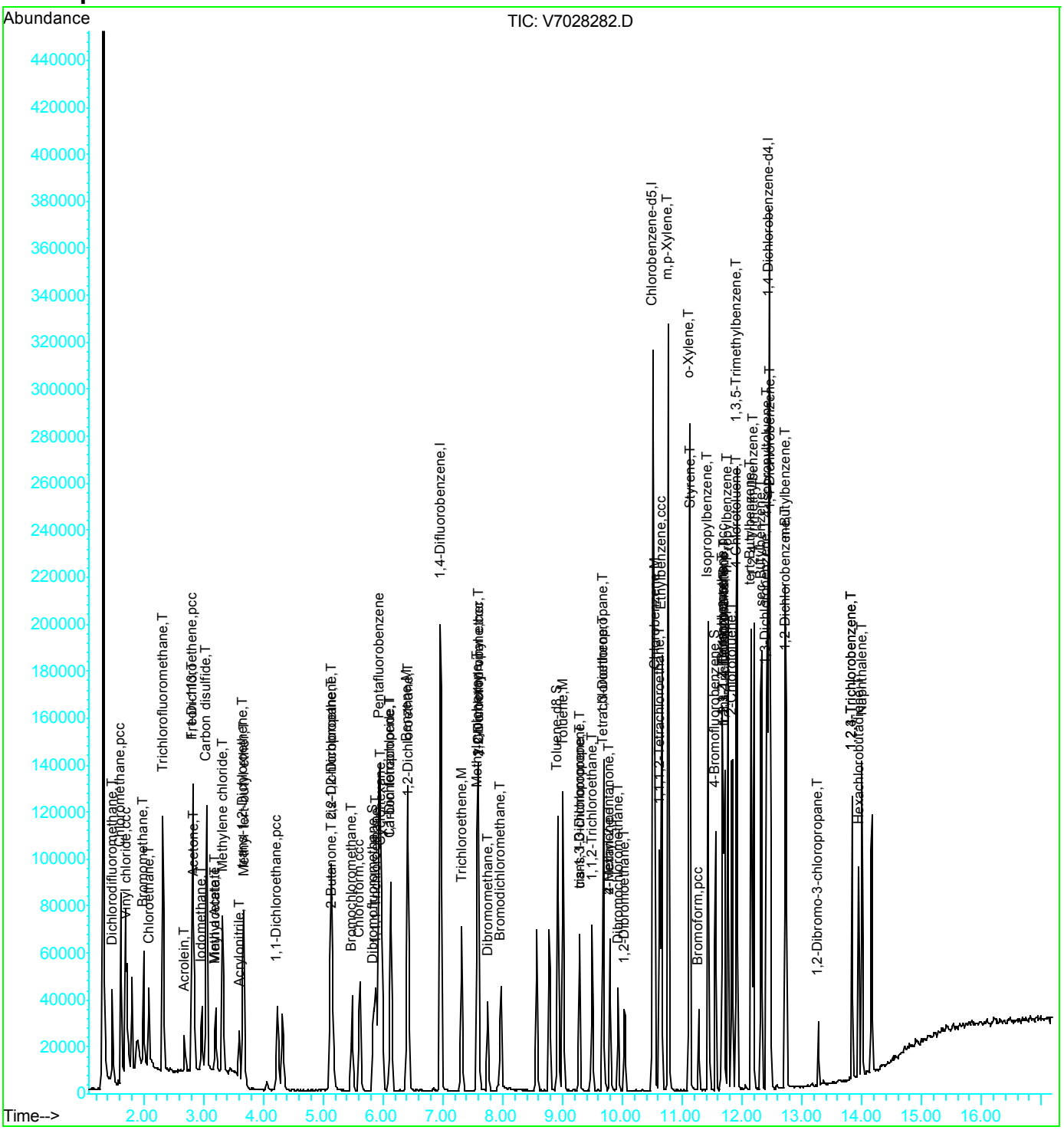
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	86997	19.34 ug/kg	100
70)	tert-Butylbenzene	12.15	119	92625	19.55 ug/kg	94
71)	1,2,4-Trimethylbenzene	12.19	105	89299	19.16 ug/kg	87
72)	sec-Butylbenzene	12.32	105	118017	19.23 ug/kg	99
73)	1,3-Dichlorobenzene	12.41	146	50906	19.09 ug/kg	97
74)	4-Isopropyltoluene	12.43	119	97924	18.93 ug/kg	97
75)	1,4-Dichlorobenzene	12.47	146	52385	18.89 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	50236	19.18 ug/kg	96
77)	n-Butylbenzene	12.72	91	85834	18.76 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	4584	18.59 ug/kg	90
79)	1,2,4-Trichlorobenzene	13.84	180	29875	19.07 ug/kg	94
80)	Hexachlorobutadiene	13.96	225	15592	19.00 ug/kg	97
81)	Naphthalene	14.01	128	80154	19.59 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	29875	19.07 ug/kg	94

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028282.D Vial: 6
Acq On : 28 Mar 2004 3:08 pm Operator: NH
Sample : 8260 ICAL 020 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:31 2004 Quant Results File: VS032804.

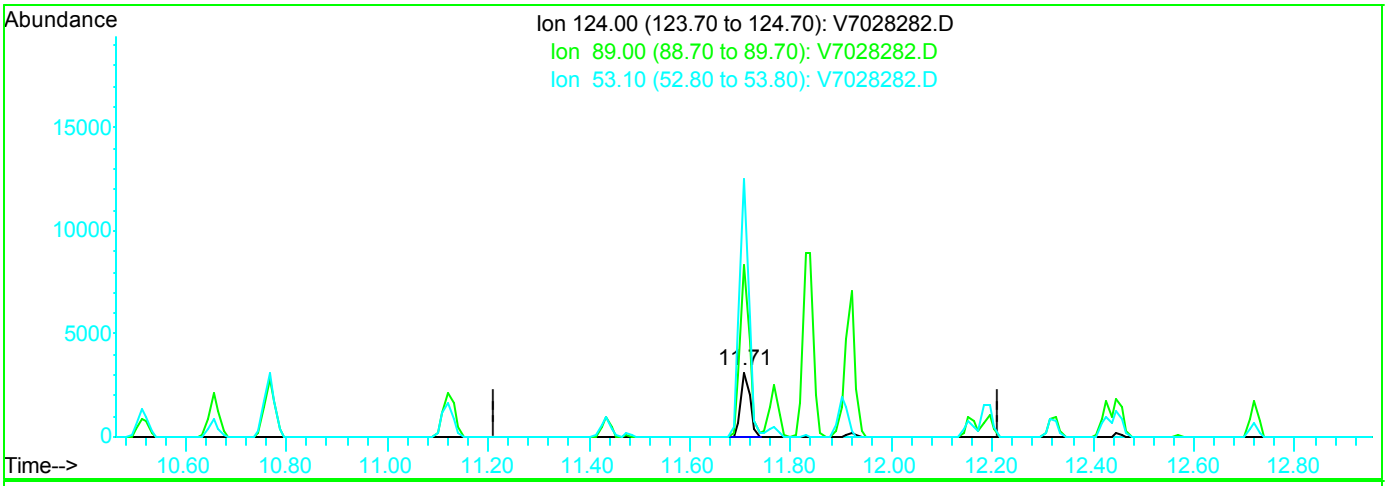
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration

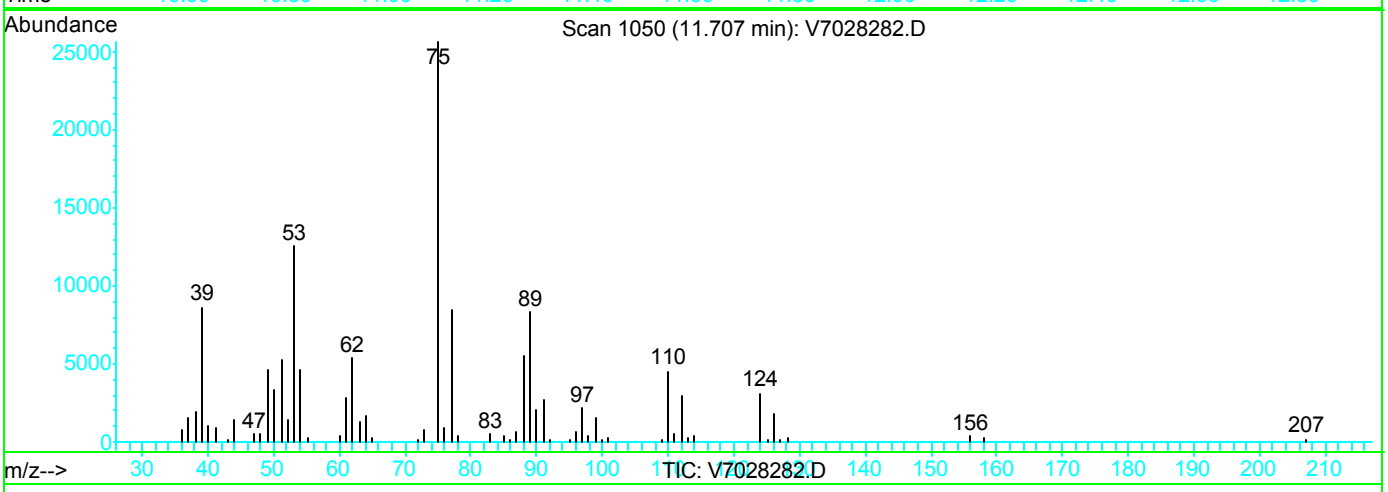


Quantitation Report (Qedit)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028282.D Vial: 6
Acq On : 28 Mar 2004 3:08 pm Operator: NH
Sample : 8260 ICAL 020 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:31 2004 Quant Results File: temp.res

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Multiple Level Calibration





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

11.71min 35.45ug/kg m

response 3786

Ion	Exp%	Act%
124.00	100	100
89.00	349.20	0.00#
53.10	433.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028283.D Vial: 7
Acq On : 28 Mar 2004 3:48 pm Operator: NH
Sample : 8260 ICAL 030 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:32:14 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:32:09 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.94	168	110783	50.00 ug/kg	-0.01
28) 1,4-Difluorobenzene	6.96	114	188088	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	171638	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	85644	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	38818	29.53 ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 59.06%#		
42) Toluene-d8	8.92	98	139401	28.23 ug/kg	0.00
Spiked Amount 50.000			Recovery = 56.46%		
59) 4-Bromofluorobenzene	11.56	95	47711	26.93 ug/kg	0.00
Spiked Amount 50.000			Recovery = 53.86%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	51208	32.24 ug/kg	99
3) Chloromethane	1.62	50	86286	32.02 ug/kg	100
4) Vinyl chloride	1.72	62	74082	32.78 ug/kg	99
5) Bromomethane	2.00	94	33719	31.31 ug/kg	96
6) Chloroethane	2.09	64	43239	32.56 ug/kg	93
7) Trichlorofluoromethane	2.32	101	119785	33.14 ug/kg	100
8) Acrolein	2.68	56	20117	61.18 ug/kg	97
9) 1,1-Dichloroethene	2.82	96	27596	24.54 ug/kg	98
10) Acetone	2.84	58	22081	61.33 ug/kg	91
11) Freon-113	2.82	101	27332	25.47 µg/kg	98
12) Iodomethane	2.97	142	45426	52.87 ug/kg	92
13) Carbon disulfide	3.05	76	173626	51.17 ug/kg	100
14) Vinyl acetate	3.20	43	53521	65.29 ug/kg#	93
15) Methyl Acetate	3.20	43	53521	32.64 µg/kg#	1
16) Methylene chloride	3.32	84	41672	28.22 ug/kg	96
17) Acrylonitrile	3.60	53	32657	65.29 ug/kg	96
18) Methyl tert-butyl ether	3.68	73	45580	28.44 µg/kg	96
19) trans-1,2-Dichloroethene	3.67	96	29977	26.48 ug/kg	95
20) 1,1-Dichloroethane	4.23	63	55775	26.46 ug/kg	99
21) 2,2-Dichloropropane	5.14	77	37756	24.15 ug/kg	100
22) cis-1,2-Dichloroethene	5.14	96	36554	26.29 ug/kg	96
23) 2-Butanone	5.16	72	15342	63.47 ug/kg	92
24) Bromochloromethane	5.48	128	18930	28.71 ug/kg	95
25) Chloroform	5.61	83	54575	25.95 ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028283.D Vial: 7
Acq On : 28 Mar 2004 3:48 pm Operator: NH
Sample : 8260 ICAL 030 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:32:14 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:32:09 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	39921	24.23 ug/kg	94
27)	Cyclohexane	5.98	56	49782	25.82 µg/kg	93
30)	1,1-Dichloropropene	6.13	110	13064	24.92 ug/kg	90
31)	Carbon tetrachloride	6.13	119	31714	23.41 ug/kg	93
32)	Benzene	6.41	78	129677	26.00 ug/kg	100
33)	1,2-Dichloroethane	6.42	62	46209	28.11 ug/kg	100
34)	Trichloroethene	7.31	130	30229	24.32 ug/kg	95
35)	Methylcyclohexane	7.58	55	38195	23.83 µg/kg	93
36)	1,2-Dichloropropane	7.60	63	36109	26.19 ug/kg#	100
37)	Dibromomethane	7.75	93	22337	28.76 ug/kg	89
38)	Bromodichloromethane	7.97	83	42042	26.91 ug/kg#	95
39)	2-Chloroethyl vinyl ether	7.60	63	36109	52.37 µg/kg#	48
40)	cis-1,3-Dichloropropene	9.29	75	49730	27.52 ug/kg	98
41)	4-Methyl-2-pentanone	9.79	43	60025	60.24 ug/kg#	84
43)	Toluene	9.00	92	75721	24.54 ug/kg	99
44)	trans-1,3-Dichloropropene	9.29	75	49730	27.52 ug/kg	98
45)	1,1,2-Trichloroethane	9.49	83	28617	28.85 ug/kg	100
47)	2-Hexanone	9.79	43	60025	61.55 ug/kg	94
48)	Tetrachloroethene	9.67	166	27281	24.43 ug/kg	95
49)	1,3-Dichloropropane	9.68	76	56460	27.02 ug/kg	100
50)	Dibromochloromethane	9.93	129	32097	25.93 ug/kg	98
51)	1,2-Dibromoethane	10.04	107	34643	28.07 ug/kg#	97
52)	Chlorobenzene	10.54	112	88634	24.30 ug/kg	97
53)	1,1,1,2-Tetrachloroethane	10.62	131	30912	24.73 ug/kg	99
54)	Ethylbenzene	10.65	91	134740	23.14 ug/kg	98
55)	m,p-Xylene	10.77	91	207761	45.98 ug/kg	99
56)	o-Xylene	11.12	91	108415	23.04 ug/kg	98
57)	Styrene	11.13	104	92097	24.26 ug/kg	96
58)	Bromoform	11.28	173	20485	26.91 ug/kg#	96
61)	Bromobenzene	11.68	156	37867	25.60 ug/kg#	64
62)	1,1,2,2-Tetrachloroethane	11.67	83	46415	28.67 ug/kg	99
63)	1,2,3-Trichloropropane	11.71	75	68896	28.65 ug/kg#	1
64)	Isopropylbenzene	11.43	105	128220	24.55 ug/kg	99
65)	n-Propylbenzene	11.77	91	153283	24.68 ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.71	124	5783	53.33 ug/kg	76
67)	2-Chlorotoluene	11.84	91	93428	23.81 ug/kg	99
68)	4-Chlorotoluene	11.92	91	105318	23.31 ug/kg	98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028283.D Vial: 7
Acq On : 28 Mar 2004 3:48 pm Operator: NH
Sample : 8260 ICAL 030 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:32:14 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:32:09 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

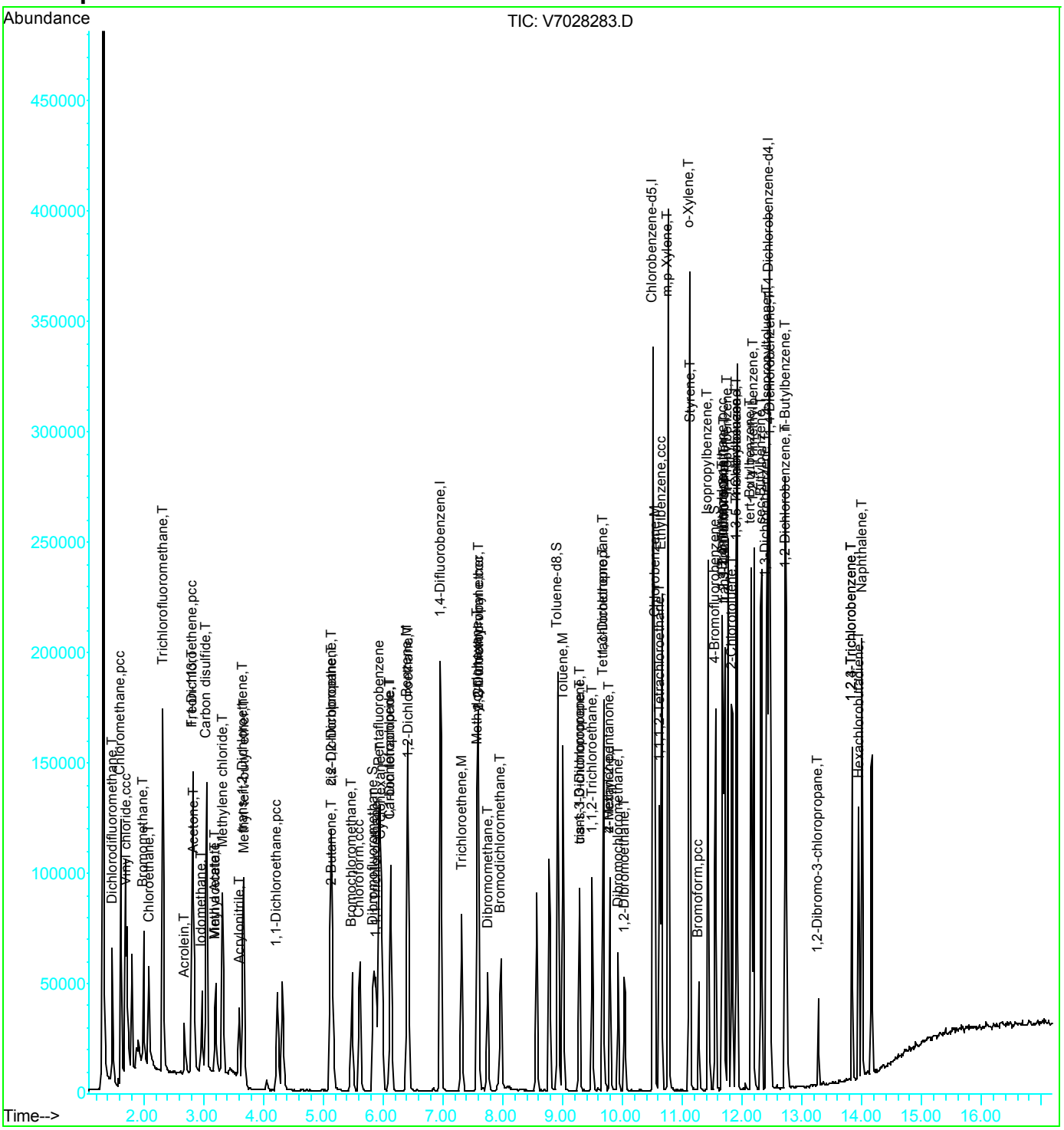
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.90	105	106550	23.32 ug/kg	97
70)	tert-Butylbenzene	12.15	119	113673	23.62 ug/kg	93
71)	1,2,4-Trimethylbenzene	12.19	105	112572	23.79 ug/kg	88
72)	sec-Butylbenzene	12.33	105	149709	24.02 ug/kg	99
73)	1,3-Dichlorobenzene	12.41	146	64559	23.85 ug/kg	98
74)	4-Isopropyltoluene	12.43	119	125146	23.82 ug/kg	98
75)	1,4-Dichlorobenzene	12.47	146	68172	24.22 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	66532	25.01 ug/kg	97
77)	n-Butylbenzene	12.72	91	109960	23.67 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	6950	27.76 ug/kg	85
79)	1,2,4-Trichlorobenzene	13.84	180	39441	24.79 ug/kg	97
80)	Hexachlorobutadiene	13.96	225	20800	24.97 ug/kg	98
81)	Naphthalene	14.01	128	119830	28.84 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	39441	24.79 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028283.D Vial: 7
Acq On : 28 Mar 2004 3:48 pm Operator: NH
Sample : 8260 ICAL 030 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:32 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028285.D Vial: 9
Acq On : 28 Mar 2004 4:48 pm Operator: NH
Sample : 8260 ICAL 100 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:33:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:33:29 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.94	168	117072	50.00	ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	191000	50.00	ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	167766	50.00	ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	86397	50.00	ug/kg	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.84	113	134953	101.10	ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 202.20%#			
42) Toluene-d8	8.92	98	498710	99.45	ug/kg	0.00
Spiked Amount 50.000			Recovery = 198.90%			
59) 4-Bromofluorobenzene	11.56	95	174940	101.02	ug/kg	0.00
Spiked Amount 50.000			Recovery = 202.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	162638	96.88	ug/kg	100
3) Chloromethane	1.62	50	271806	95.44	ug/kg	99
4) Vinyl chloride	1.72	62	235113	98.46	ug/kg	99
5) Bromomethane	1.98	94	107729	99.36	ug/kg	100
6) Chloroethane	2.08	64	134939	96.16	ug/kg	100
7) Trichlorofluoromethane	2.31	101	384334	100.61	ug/kg	98
8) Acrolein	2.69	56	66368	191.01	ug/kg	99
9) 1,1-Dichloroethene	2.81	96	106901	89.94	ug/kg	97
10) Acetone	2.84	58	68284	179.47	ug/kg	86
11) Freon-113	2.81	101	104843	97.31	µg/kg	97
12) Iodomethane	2.97	142	201154	178.61	ug/kg	94
13) Carbon disulfide	3.05	76	645147	193.06	ug/kg	100
14) Vinyl acetate	3.20	43	184600	213.08	ug/kg#	94
15) Methyl Acetate	3.20	43	184600	106.54	µg/kg#	1
16) Methylene chloride	3.31	84	143518	100.10	ug/kg	95
17) Acrylonitrile	3.60	53	106690	201.85	ug/kg	97
18) Methyl tert-butyl ether	3.68	73	177614	88.62	µg/kg	96
19) trans-1,2-Dichloroethene	3.67	96	112118	95.92	ug/kg	97
20) 1,1-Dichloroethane	4.23	63	205956	92.45	ug/kg	99
21) 2,2-Dichloropropane	5.13	77	147226	89.10	ug/kg	99
22) cis-1,2-Dichloroethene	5.13	96	137306	93.44	ug/kg	97
23) 2-Butanone	5.16	72	52198	204.36	ug/kg	96
24) Bromochloromethane	5.48	128	67432	96.78	ug/kg	96
25) Chloroform	5.61	83	206276	92.82	ug/kg	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028285.D Vial: 9
Acq On : 28 Mar 2004 4:48 pm Operator: NH
Sample : 8260 ICAL 100 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:33:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:33:29 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,1,1-Trichloroethane	5.87	97	158673	91.13	ug/kg	95
27)	Cyclohexane	5.98	56	187870	97.29	µg/kg	99
30)	1,1-Dichloropropene	6.13	110	51248	98.46	ug/kg	92
31)	Carbon tetrachloride	6.13	119	126965	92.28	ug/kg	94
32)	Benzene	6.41	78	486351	97.35	ug/kg	100
33)	1,2-Dichloroethane	6.42	62	167920	100.59	ug/kg	100
34)	Trichloroethene	7.31	130	117564	93.16	ug/kg	95
35)	Methylcyclohexane	7.58	55	148303	91.12	µg/kg	94
36)	1,2-Dichloropropane	7.60	63	135556	96.81	ug/kg#	100
37)	Dibromomethane	7.75	93	78084	99.00	ug/kg	90
38)	Bromodichloromethane	7.97	83	157362	99.20	ug/kg	99
39)	2-Chloroethyl vinyl ether	7.60	63	135556	193.62	µg/kg#	51
40)	cis-1,3-Dichloropropene	9.29	75	185755	101.22	ug/kg	97
41)	4-Methyl-2-pentanone	9.79	43	189081	187.46	ug/kg#	84
43)	Toluene	9.00	92	292524	93.35	ug/kg	99
44)	trans-1,3-Dichloropropene	9.29	75	185755	101.22	ug/kg	99
45)	1,1,2-Trichloroethane	9.49	83	100123	99.39	ug/kg	99
47)	2-Hexanone	9.79	43	189081	188.01	ug/kg	94
48)	Tetrachloroethene	9.67	166	102404	96.02	ug/kg	93
49)	1,3-Dichloropropane	9.68	76	203349	99.56	ug/kg	100
50)	Dibromochloromethane	9.93	129	121971	100.82	ug/kg	100
51)	1,2-Dibromoethane	10.04	107	120442	99.85	ug/kg#	99
52)	Chlorobenzene	10.54	112	326037	91.46	ug/kg	96
53)	1,1,1,2-Tetrachloroethane	10.62	131	119338	97.69	ug/kg	99
54)	Ethylbenzene	10.65	91	523659	92.01	ug/kg	98
55)	m,p-Xylene	10.77	91	836591	189.42	ug/kg	97
56)	o-Xylene	11.12	91	441717	96.03	ug/kg	96
57)	Styrene	11.13	104	364100	98.12	ug/kg	94
58)	Bromoform	11.28	173	78482	105.49	ug/kg	99
61)	Bromobenzene	11.68	156	139017	93.18	ug/kg#	63
62)	1,1,2,2-Tetrachloroethane	11.67	83	157564	96.48	ug/kg	99
63)	1,2,3-Trichloropropane	11.71	75	245165	101.05	ug/kg#	1
64)	Isopropylbenzene	11.43	105	512411	98.33	ug/kg	99
65)	n-Propylbenzene	11.77	91	604634	99.27	ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.71	124	21881	200.02	ug/kg	70
67)	2-Chlorotoluene	11.84	91	363335	91.81	ug/kg	99
68)	4-Chlorotoluene	11.92	91	421645	92.49	ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028285.D Vial: 9
Acq On : 28 Mar 2004 4:48 pm Operator: NH
Sample : 8260 ICAL 100 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:33:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:33:29 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

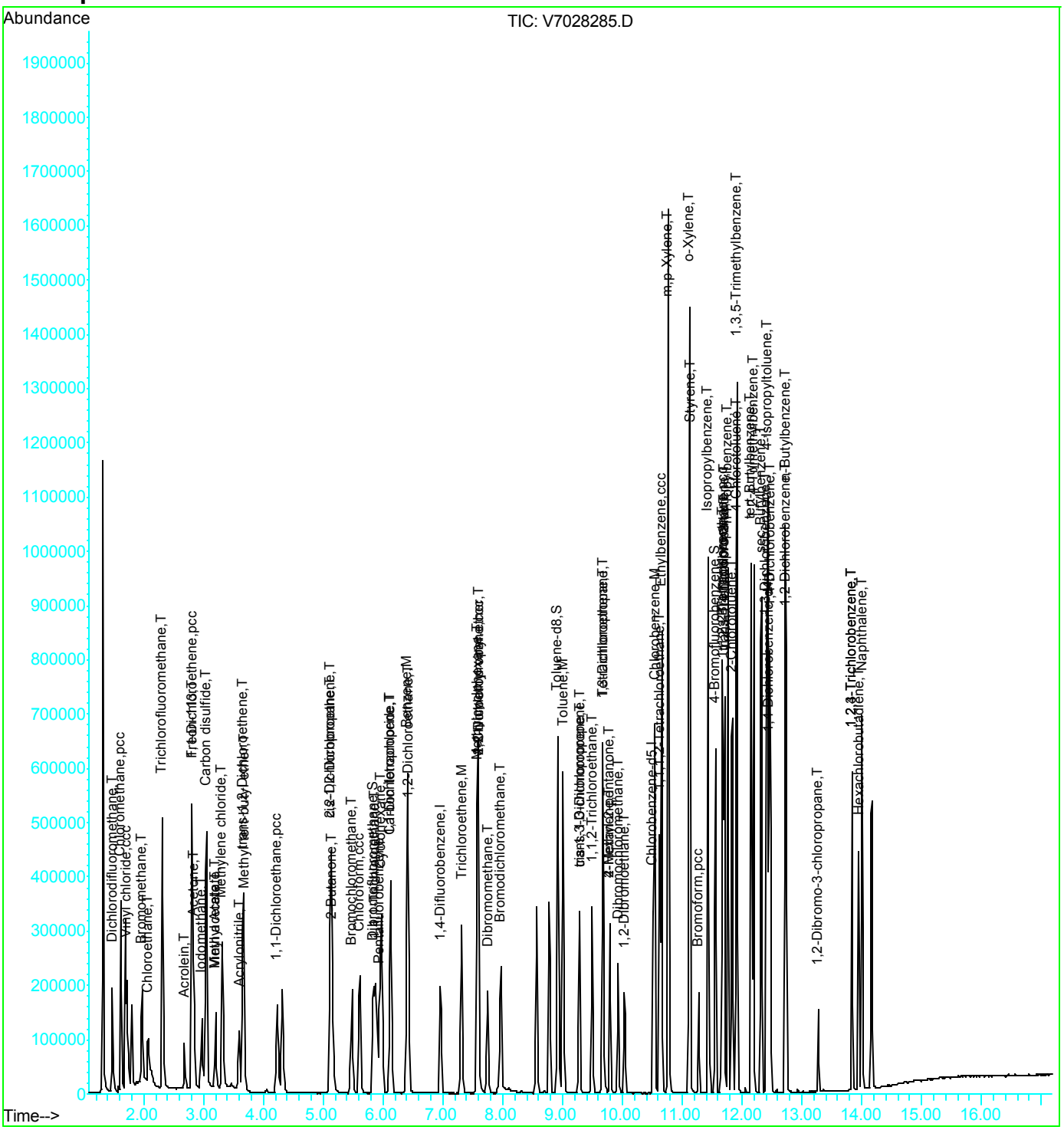
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	432681	93.89 ug/kg	100
70)	tert-Butylbenzene	12.15	119	452212	93.16 ug/kg	92
71)	1,2,4-Trimethylbenzene	12.19	105	445693	93.37 ug/kg	89
72)	sec-Butylbenzene	12.33	105	577931	91.93 ug/kg	98
73)	1,3-Dichlorobenzene	12.41	146	246338	90.20 ug/kg	96
74)	4-Isopropyltoluene	12.43	119	481101	90.79 ug/kg	97
75)	1,4-Dichlorobenzene	12.47	146	247077	87.00 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	245839	91.62 ug/kg	96
77)	n-Butylbenzene	12.72	91	427265	91.19 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	25638	101.53 ug/kg	88
79)	1,2,4-Trichlorobenzene	13.84	180	142570	88.82 ug/kg	97
80)	Hexachlorobutadiene	13.96	225	75868	90.28 ug/kg	98
81)	Naphthalene	14.01	128	416654	99.42 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	142570	88.82 ug/kg	97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028285.D Vial: 9
Acq On : 28 Mar 2004 4:48 pm Operator: NH
Sample : 8260 ICAL 100 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:33 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028286.D Vial: 10
Acq On : 28 Mar 2004 5:18 pm Operator: NH
Sample : 8260 ICAL 150 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:35:11 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:35:05 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.94	168	110865	50.00 ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	188317	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	169489	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	91154	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	214941	163.31 ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 326.62%#		
42) Toluene-d8	8.92	98	811883	164.20 ug/kg	0.00
Spiked Amount 50.000			Recovery = 328.40%		
59) 4-Bromofluorobenzene	11.56	95	284250	162.47 ug/kg	0.00
Spiked Amount 50.000			Recovery = 324.94%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	259799	163.42 ug/kg	99
3) Chloromethane	1.62	50	410134	152.08 ug/kg	100
4) Vinyl chloride	1.72	62	368217	162.83 ug/kg	100
5) Bromomethane	1.97	94	73383	70.82 ug/kg	99
6) Chloroethane	2.07	64	207797	156.37 ug/kg	99
7) Trichlorofluoromethane	2.31	101	607142	167.83 ug/kg	98
8) Acrolein	2.68	56	102849	312.58 ug/kg	97
9) 1,1-Dichloroethene	2.81	96	159482	141.69 ug/kg	98
10) Acetone	2.84	58	97378	270.27 ug/kg	87
11) Freon-113	2.81	101	156586	154.53 µg/kg	98
12) Iodomethane	2.97	142	346151	313.57 ug/kg	94
13) Carbon disulfide	3.05	76	971504	310.09 ug/kg	100
14) Vinyl acetate	3.20	43	282261	344.05 ug/kg#	94
15) Methyl Acetate	3.20	43	282261	172.02 µg/kg#	1
16) Methylene chloride	3.31	84	213527	159.32 ug/kg	97
17) Acrylonitrile	3.60	53	164736	329.12 ug/kg	96
18) Methyl tert-butyl ether	3.68	73	300328	153.49 µg/kg	96
19) trans-1,2-Dichloroethene	3.67	96	170533	154.59 ug/kg	98
20) 1,1-Dichloroethane	4.23	63	312533	148.15 ug/kg	98
21) 2,2-Dichloropropane	5.13	77	227982	145.70 ug/kg	100
22) cis-1,2-Dichloroethene	5.13	96	208698	149.98 ug/kg	99
23) 2-Butanone	5.16	72	77476	320.31 ug/kg	96
24) Bromochloromethane	5.48	128	103526	156.90 ug/kg	96
25) Chloroform	5.61	83	318260	151.23 ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028286.D Vial: 10
Acq On : 28 Mar 2004 5:18 pm Operator: NH
Sample : 8260 ICAL 150 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:35:11 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:35:05 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	240338	145.77	ug/kg	96
27)	Cyclohexane	5.98	56	279413	153.92	µg/kg	99
30)	1,1-Dichloropropene	6.13	110	76906	150.26	ug/kg	91
31)	Carbon tetrachloride	6.13	119	194365	143.28	ug/kg	94
32)	Benzene	6.40	78	746369	151.80	ug/kg	100
33)	1,2-Dichloroethane	6.42	62	267332	162.43	ug/kg	99
34)	Trichloroethene	7.31	130	176815	142.11	ug/kg	95
35)	Methylcyclohexane	7.58	55	231766	144.42	µg/kg	96
36)	1,2-Dichloropropane	7.60	63	208056	150.71	ug/kg#	100
37)	Dibromomethane	7.75	93	122725	157.82	ug/kg	90
38)	Bromodichloromethane	7.97	83	248644	158.97	ug/kg	99
39)	2-Chloroethyl vinyl ether	7.60	63	208056	301.41	µg/kg#	52
40)	cis-1,3-Dichloropropene	9.29	75	294528	162.79	ug/kg	98
41)	4-Methyl-2-pentanone	9.79	43	309099	311.01	ug/kg#	84
43)	Toluene	9.00	92	444075	143.74	ug/kg	99
44)	trans-1,3-Dichloropropene	9.29	75	294528	162.79	ug/kg	98
45)	1,1,2-Trichloroethane	9.49	83	153542	154.59	ug/kg	100
47)	2-Hexanone	9.79	43	309099	301.35	ug/kg	94
48)	Tetrachloroethene	9.67	166	154682	143.95	ug/kg	93
49)	1,3-Dichloropropane	9.68	76	316356	153.32	ug/kg	100
50)	Dibromochloromethane	9.93	129	195356	159.84	ug/kg	100
51)	1,2-Dibromoethane	10.04	107	189091	155.17	ug/kg#	100
52)	Chlorobenzene	10.54	112	492405	136.73	ug/kg	95
53)	1,1,1,2-Tetrachloroethane	10.62	131	187987	152.32	ug/kg	98
54)	Ethylbenzene	10.65	91	807066	140.36	ug/kg	97
55)	m,p-Xylene	10.77	91	1305436	292.57	ug/kg	98
56)	o-Xylene	11.12	91	699826	150.59	ug/kg	96
57)	Styrene	11.13	104	588156	156.89	ug/kg	93
58)	Bromoform	11.28	173	122333	162.76	ug/kg	99
61)	Bromobenzene	11.68	156	216633	137.62	ug/kg#	61
62)	1,1,2,2-Tetrachloroethane	11.67	83	248911	144.46	ug/kg	100
63)	1,2,3-Trichloropropane	11.71	75	386174	150.87	ug/kg#	1
64)	Isopropylbenzene	11.43	105	792727	144.35	ug/kg	99
65)	n-Propylbenzene	11.77	91	932107	145.48	ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.71	124	34867	302.09	ug/kg	71
67)	2-Chlorotoluene	11.84	91	568893	136.24	ug/kg	97
68)	4-Chlorotoluene	11.92	91	659221	137.06	ug/kg	97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028286.D Vial: 10
Acq On : 28 Mar 2004 5:18 pm Operator: NH
Sample : 8260 ICAL 150 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:35:11 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:35:05 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

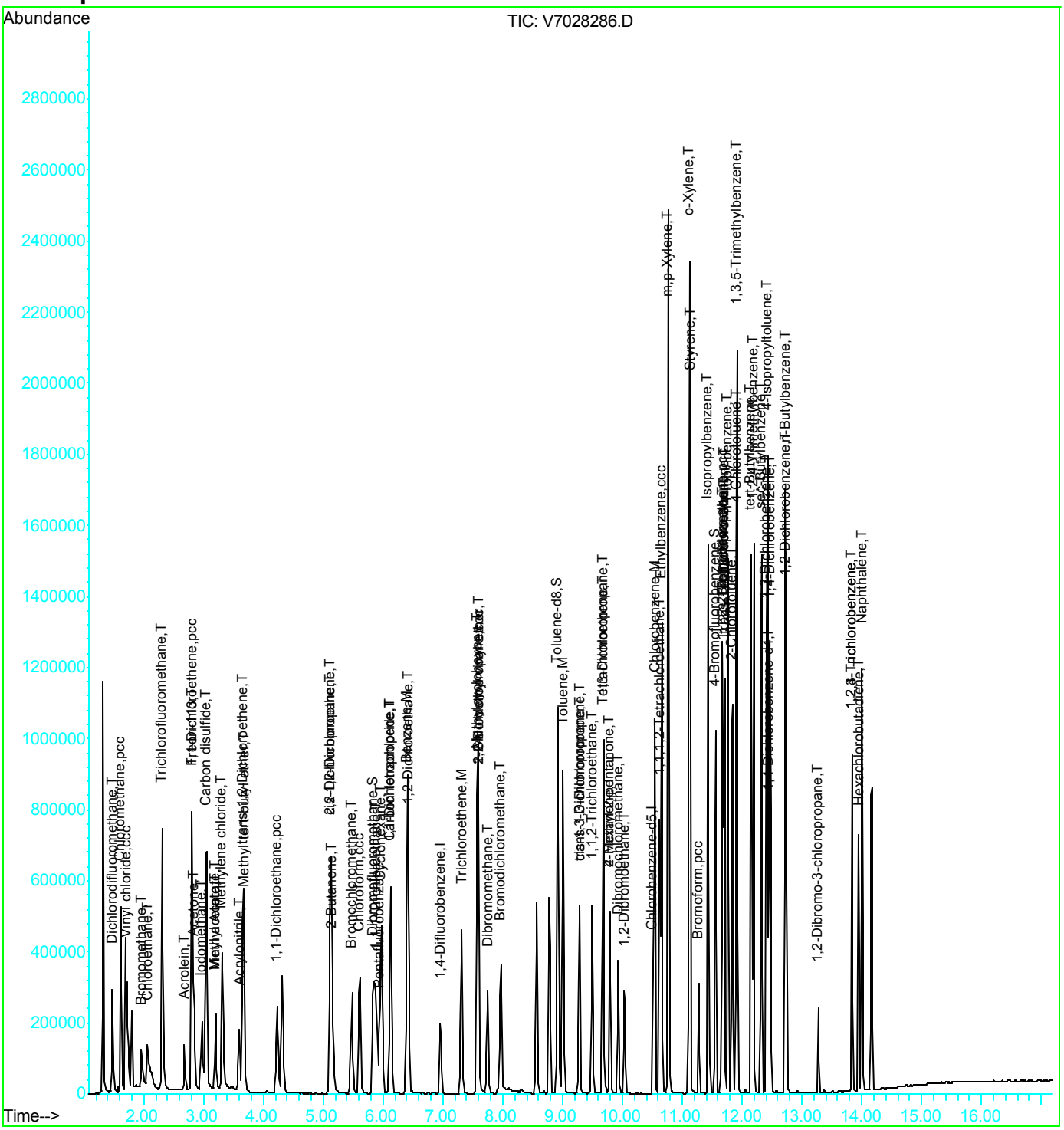
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	682010	140.27 ug/kg	100
70)	tert-Butylbenzene	12.15	119	709060	138.46 ug/kg	91
71)	1,2,4-Trimethylbenzene	12.19	105	703127	139.61 ug/kg	89
72)	sec-Butylbenzene	12.33	105	912153	137.52 ug/kg	98
73)	1,3-Dichlorobenzene	12.41	146	384826	133.55 ug/kg	97
74)	4-Isopropyltoluene	12.43	119	774627	138.55 ug/kg	97
75)	1,4-Dichlorobenzene	12.47	146	395468	131.99 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	390917	138.08 ug/kg	96
77)	n-Butylbenzene	12.72	91	685068	138.58 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	43074	161.68 ug/kg	83
79)	1,2,4-Trichlorobenzene	13.84	180	235379	138.99 ug/kg	96
80)	Hexachlorobutadiene	13.96	225	120908	136.36 ug/kg	98
81)	Naphthalene	14.01	128	696648	157.55 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	235379	138.99 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028286.D Vial: 10
Acq On : 28 Mar 2004 5:18 pm Operator: NH
Sample : 8260 ICAL 150 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:35 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028287.D Vial: 11
Acq On : 28 Mar 2004 5:48 pm Operator: NH
Sample : 8260 ICAL 200 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:36:36 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:36:31 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.94	168	125756	50.00	ug/kg	0.00
28) 1,4-Difluorobenzene	6.96	114	205105	50.00	ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	173087	50.00	ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	90642	50.00	ug/kg	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.83	113	300405	209.56	ug/kg	-0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 419.12%#			
42) Toluene-d8	8.92	98	1103994	205.00	ug/kg	0.00
Spiked Amount 50.000			Recovery = 410.00%			
59) 4-Bromofluorobenzene	11.56	95	385547	215.79	ug/kg	0.00
Spiked Amount 50.000			Recovery = 431.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.47	85	354280	196.46	ug/kg	99
3) Chloromethane	1.62	50	527241	172.35	ug/kg	100
4) Vinyl chloride	1.72	62	497066	193.78	ug/kg	100
5) Bromomethane	1.97	94	74385	63.04	ug/kg	93
6) Chloroethane	2.06	64	253560	168.22	ug/kg	100
7) Trichlorofluoromethane	2.30	101	804744	196.11	ug/kg	99
8) Acrolein	2.69	56	139597	374.03	ug/kg	100
9) 1,1-Dichloroethene	2.81	96	230062	180.19	ug/kg	96
10) Acetone	2.84	58	125231	306.41	ug/kg	89
11) Freon-113	2.81	101	226351	197.44	µg/kg	99
12) Iodomethane	2.96	142	497842	393.97	ug/kg	93
13) Carbon disulfide	3.04	76	1396387	394.32	ug/kg	100
14) Vinyl acetate	3.20	43	369787	397.36	ug/kg#	94
15) Methyl Acetate	3.20	43	369787	198.68	µg/kg#	1
16) Methylene chloride	3.31	84	291905	192.76	ug/kg	96
17) Acrylonitrile	3.60	53	226059	398.15	ug/kg	98
18) Methyl tert-butyl ether	3.68	73	447448	199.71	µg/kg	95
19) trans-1,2-Dichloroethene	3.66	96	248159	198.57	ug/kg	99
20) 1,1-Dichloroethane	4.23	63	455883	190.51	ug/kg	99
21) 2,2-Dichloropropane	5.13	77	338551	190.74	ug/kg	99
22) cis-1,2-Dichloroethene	5.13	96	299638	189.83	ug/kg	99
23) 2-Butanone	5.16	72	103116	375.83	ug/kg	99
24) Bromochloromethane	5.48	128	145945	195.00	ug/kg	96
25) Chloroform	5.61	83	460748	193.01	ug/kg	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028287.D Vial: 11
Acq On : 28 Mar 2004 5:48 pm Operator: NH
Sample : 8260 ICAL 200 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:36:36 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:36:31 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.87	97	359505	192.22 ug/kg	96
27)	Cyclohexane	5.98	56	407008	198.22 µg/kg	99
30)	1,1-Dichloropropene	6.12	110	111605	200.46 ug/kg	89
31)	Carbon tetrachloride	6.13	119	294639	199.43 ug/kg	94
32)	Benzene	6.40	78	1070266	200.01 ug/kg	100
33)	1,2-Dichloroethane	6.42	62	372636	207.87 ug/kg	99
34)	Trichloroethene	7.31	130	250613	184.93 ug/kg	94
35)	Methylcyclohexane	7.58	55	336220	192.36 µg/kg	96
36)	1,2-Dichloropropane	7.60	63	293486	195.19 ug/kg#	100
37)	Dibromomethane	7.75	93	169698	200.36 ug/kg	89
38)	Bromodichloromethane	7.97	83	347323	203.89 ug/kg	100
39)	2-Chloroethyl vinyl ether	7.60	63	293486	390.37 µg/kg#	50
40)	cis-1,3-Dichloropropene	9.29	75	398993	202.47 ug/kg	97
41)	4-Methyl-2-pentanone	9.79	43	430735	398.00 ug/kg#	83
43)	Toluene	9.00	92	639997	190.20 ug/kg	100
44)	trans-1,3-Dichloropropene	9.29	75	398993	202.47 ug/kg	99
45)	1,1,2-Trichloroethane	9.50	83	211371	195.40 ug/kg	100
47)	2-Hexanone	9.79	43	430735	409.52 ug/kg	95
48)	Tetrachloroethene	9.67	166	225272	205.62 ug/kg	94
49)	1,3-Dichloropropane	9.68	76	429638	203.89 ug/kg	99
50)	Dibromochloromethane	9.93	129	264949	212.28 ug/kg	99
51)	1,2-Dibromoethane	10.04	107	255376	205.21 ug/kg#	100
52)	Chlorobenzene	10.54	112	692566	188.31 ug/kg	95
53)	1,1,1,2-Tetrachloroethane	10.62	131	258383	205.01 ug/kg	99
54)	Ethylbenzene	10.65	91	1121993	191.07 ug/kg	97
55)	m,p-Xylene	10.77	91	1827893	401.14 ug/kg	97
56)	o-Xylene	11.12	91	964384	203.21 ug/kg	96
57)	Styrene	11.13	104	793691	207.31 ug/kg	92
58)	Bromoform	11.28	173	168846	219.97 ug/kg	100
61)	Bromobenzene	11.68	156	292897	187.12 ug/kg#	62
62)	1,1,2,2-Tetrachloroethane	11.67	83	343673	200.58 ug/kg	100
63)	1,2,3-Trichloropropane	11.71	75	523664	205.74 ug/kg#	1
64)	Isopropylbenzene	11.43	105	1116686	204.63 ug/kg	99
65)	n-Propylbenzene	11.77	91	1291620	203.11 ug/kg	98
66)	trans-1,4-Dichloro-2-buten	11.71	124	49021	427.12 ug/kg	67
67)	2-Chlorotoluene	11.84	91	774124	186.44 ug/kg	97
68)	4-Chlorotoluene	11.92	91	920676	192.50 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028287.D Vial: 11
Acq On : 28 Mar 2004 5:48 pm Operator: NH
Sample : 8260 ICAL 200 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:36:36 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:36:31 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

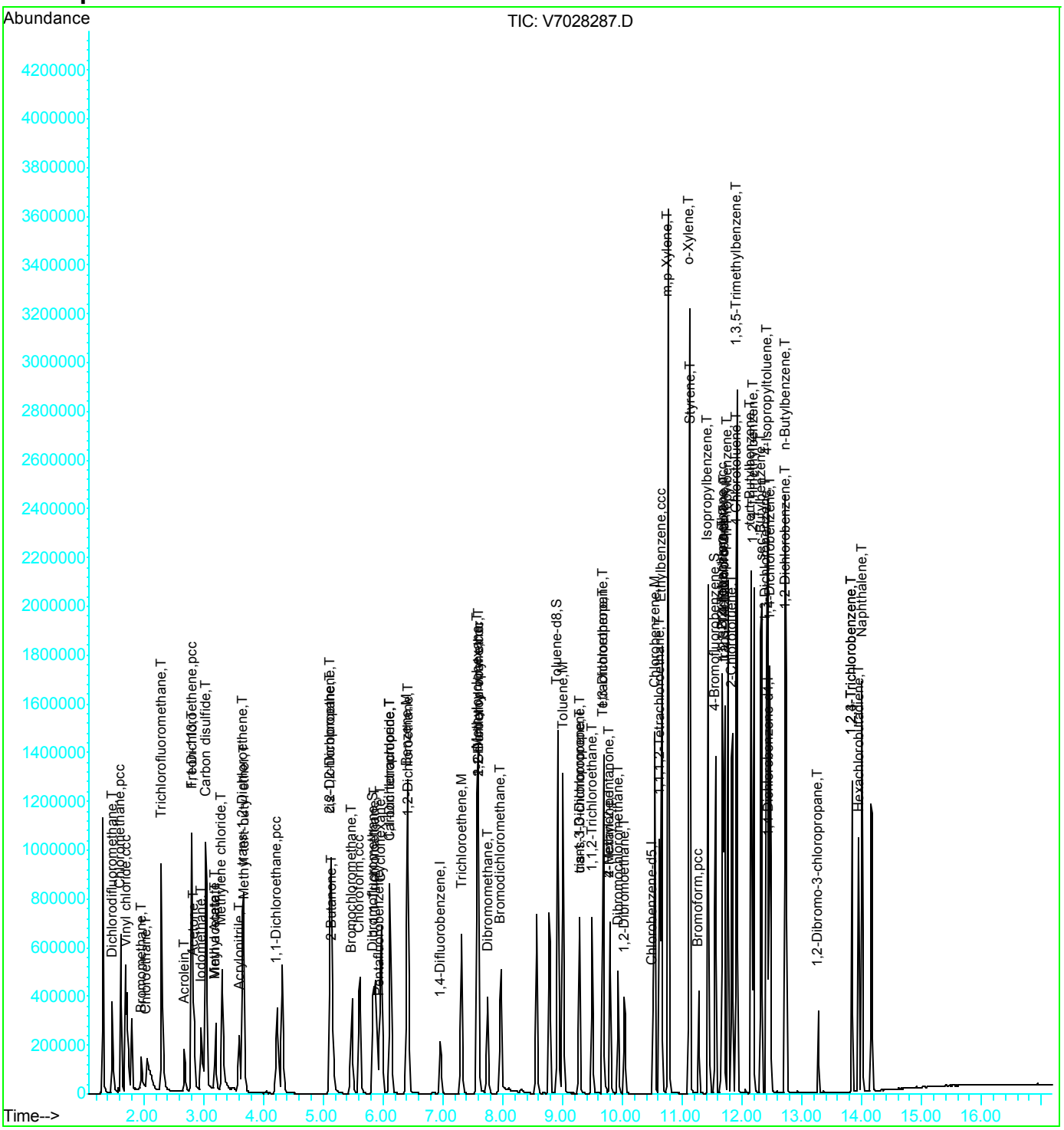
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	956834	197.91 ug/kg	99
70)	tert-Butylbenzene	12.15	119	970081	190.49 ug/kg	90
71)	1,2,4-Trimethylbenzene	12.19	105	956498	191.00 ug/kg	89
72)	sec-Butylbenzene	12.33	105	1271120	192.72 ug/kg	98
73)	1,3-Dichlorobenzene	12.41	146	525784	183.50 ug/kg	97
74)	4-Isopropyltoluene	12.43	119	1062126	191.05 ug/kg	96
75)	1,4-Dichlorobenzene	12.47	146	534122	179.27 ug/kg	97
76)	1,2-Dichlorobenzene	12.74	146	538253	191.20 ug/kg	97
77)	n-Butylbenzene	12.72	91	958967	195.09 ug/kg	98
78)	1,2-Dibromo-3-chloropropan	13.28	75	58871	222.22 ug/kg	86
79)	1,2,4-Trichlorobenzene	13.84	180	321132	190.70 ug/kg	96
80)	Hexachlorobutadiene	13.96	225	173497	196.78 ug/kg	98
81)	Naphthalene	14.01	128	990853	225.35 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	321132	190.70 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032804\V7028287.D Vial: 11
Acq On : 28 Mar 2004 5:48 pm Operator: NH
Sample : 8260 ICAL 200 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:36 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028293.D Vial: 2
Acq On : 29 Mar 2004 9:11 am Operator: NH
Sample : 8260 ICAL 050 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:38:20 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:38:03 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	100638	50.00 ug/kg	0.01
28) 1,4-Difluorobenzene	6.96	114	161651	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.51	117	136343	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	68429	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	44999	39.83 ug/kg	0.01
Spiked Amount 50.000	Range 86 - 115		Recovery = 79.66%#		
42) Toluene-d8	8.92	98	180864	42.61 ug/kg	0.00
Spiked Amount 50.000			Recovery = 85.22%		
59) 4-Bromofluorobenzene	11.56	95	61284	43.54 ug/kg	0.00
Spiked Amount 50.000			Recovery = 87.08%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	79090	54.81 ug/kg	100
3) Chloromethane	1.62	50	123914	50.62 ug/kg	99
4) Vinyl chloride	1.72	62	113792	55.43 ug/kg	99
5) Bromomethane	2.00	94	59583	63.10 ug/kg	97
6) Chloroethane	2.09	64	68474	56.77 ug/kg	97
7) Trichlorofluoromethane	2.32	101	182182	55.48 ug/kg	99
8) Acrolein	2.69	56	28704	96.10 ug/kg	99
9) 1,1-Dichloroethene	2.82	96	50632	49.55 ug/kg	99
10) Acetone	2.84	58	31949	97.68 ug/kg	87
11) Freon-113	2.82	101	51337	54.63 µg/kg	99
12) Iodomethane	2.97	142	76164	86.20 ug/kg	93
13) Carbon disulfide	3.05	76	326319	111.45 ug/kg	100
14) Vinyl acetate	3.20	43	67345	90.43 ug/kg#	94
15) Methyl Acetate	3.20	43	67345	45.21 µg/kg#	1
16) Methylene chloride	3.32	84	66620	52.40 ug/kg	98
17) Acrylonitrile	3.60	53	47187	103.85 ug/kg	96
18) Methyl tert-butyl ether	3.68	73	63548	40.42 µg/kg	98
19) trans-1,2-Dichloroethene	3.67	96	52204	51.56 ug/kg	97
20) 1,1-Dichloroethane	4.23	63	91622	47.85 ug/kg	98
21) 2,2-Dichloropropane	5.14	77	66182	46.59 ug/kg	98
22) cis-1,2-Dichloroethene	5.14	96	61594	48.76 ug/kg	96
23) 2-Butanone	5.16	72	21760	99.10 ug/kg	94
24) Bromochloromethane	5.48	128	30688	51.24 ug/kg	97
25) Chloroform	5.61	83	90576	47.41 ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028293.D Vial: 2
Acq On : 29 Mar 2004 9:11 am Operator: NH
Sample : 8260 ICAL 050 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:38:20 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:38:03 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	68271	45.61	ug/kg	98
27)	Cyclohexane	5.98	56	89071	52.77	µg/kg	97
30)	1,1-Dichloropropene	6.13	110	23415	52.80	ug/kg	92
31)	Carbon tetrachloride	6.13	119	55825	47.94	ug/kg	95
32)	Benzene	6.41	78	219099	51.58	ug/kg	100
33)	1,2-Dichloroethane	6.42	62	71489	50.60	ug/kg	100
34)	Trichloroethene	7.31	130	52314	48.98	ug/kg	95
35)	Methylcyclohexane	7.59	55	71294	51.75	µg/kg	96
36)	1,2-Dichloropropane	7.60	63	58192	49.10	ug/kg#	100
37)	Dibromomethane	7.75	93	33573	50.30	ug/kg	93
38)	Bromodichloromethane	7.97	83	67899	50.57	ug/kg	99
39)	2-Chloroethyl vinyl ether	7.60	63	58192	98.21	µg/kg#	45
40)	cis-1,3-Dichloropropene	9.29	75	79180	50.98	ug/kg	97
41)	4-Methyl-2-pentanone	9.79	43	61231	71.55	ug/kg#	84
43)	Toluene	9.00	92	127935	48.24	ug/kg	98
44)	trans-1,3-Dichloropropene	9.29	75	79180	50.98	ug/kg	98
45)	1,1,2-Trichloroethane	9.50	83	43067	50.51	ug/kg	99
47)	2-Hexanone	9.79	43	61231	77.72	ug/kg	93
48)	Tetrachloroethene	9.67	166	48973	56.18	ug/kg	95
49)	1,3-Dichloropropane	9.68	76	86839	52.32	ug/kg	99
50)	Dibromochloromethane	9.94	129	52725	53.63	ug/kg	99
51)	1,2-Dibromoethane	10.04	107	52454	53.51	ug/kg#	97
52)	Chlorobenzene	10.54	112	145989	50.39	ug/kg	97
53)	1,1,1,2-Tetrachloroethane	10.62	131	52421	52.80	ug/kg	97
54)	Ethylbenzene	10.65	91	232547	50.27	ug/kg	97
55)	m,p-Xylene	10.77	91	360612	100.47	ug/kg	99
56)	o-Xylene	11.12	91	185412	49.60	ug/kg	98
57)	Styrene	11.13	104	158422	52.53	ug/kg	96
58)	Bromoform	11.28	173	33455	55.33	ug/kg#	95
61)	Bromobenzene	11.68	156	60939	51.57	ug/kg#	66
62)	1,1,2,2-Tetrachloroethane	11.67	83	69369	53.63	ug/kg	99
63)	1,2,3-Trichloropropane	11.71	75	102518	53.35	ug/kg#	1
64)	Isopropylbenzene	11.43	105	224750	54.29	ug/kg	99
65)	n-Propylbenzene	11.77	91	268861	55.32	ug/kg	100
66)	trans-1,4-Dichloro-2-buten	11.71	124	9294	107.27	ug/kg	63
67)	2-Chlorotoluene	11.84	91	156501	49.93	ug/kg	100
68)	4-Chlorotoluene	11.92	91	187149	51.83	ug/kg	98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028293.D Vial: 2
Acq On : 29 Mar 2004 9:11 am Operator: NH
Sample : 8260 ICAL 050 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:38:20 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:38:03 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

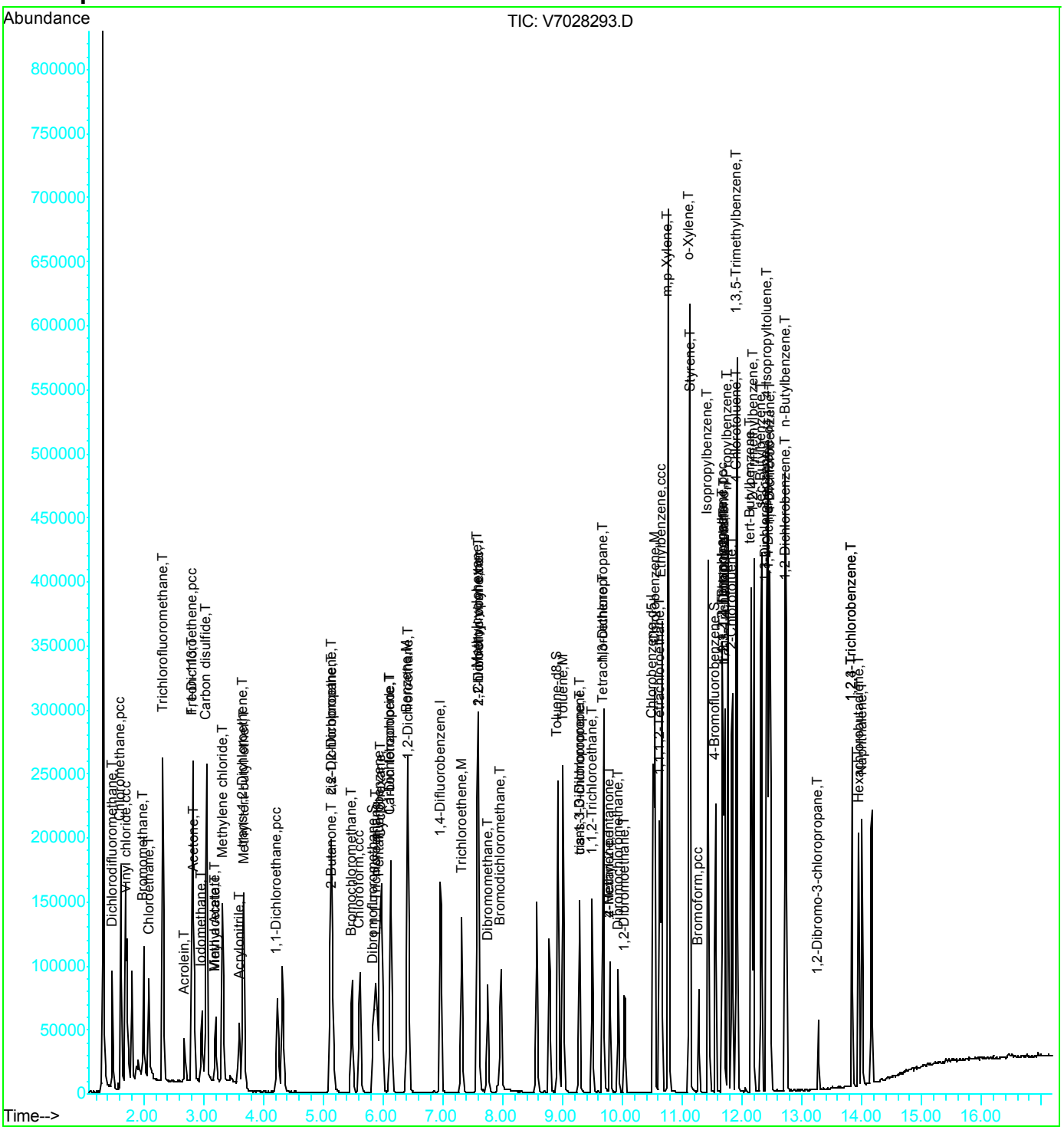
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.91	105	187190	51.29 ug/kg	99
70)	tert-Butylbenzene	12.15	119	193437	50.32 ug/kg	94
71)	1,2,4-Trimethylbenzene	12.19	105	191076	50.54 ug/kg	88
72)	sec-Butylbenzene	12.33	105	255624	51.34 ug/kg	98
73)	1,3-Dichlorobenzene	12.41	146	112272	51.90 ug/kg	98
74)	4-Isopropyltoluene	12.43	119	217840	51.90 ug/kg	97
75)	1,4-Dichlorobenzene	12.47	146	117942	52.44 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	108955	51.27 ug/kg	98
77)	n-Butylbenzene	12.72	91	195948	52.80 ug/kg	97
78)	1,2-Dibromo-3-chloropropan	13.28	75	9374	46.87 ug/kg	88
79)	1,2,4-Trichlorobenzene	13.84	180	64791	50.96 ug/kg	97
80)	Hexachlorobutadiene	13.96	225	34153	51.31 ug/kg	98
81)	Naphthalene	14.01	128	128383	38.68 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	64791	50.96 ug/kg	97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028293.D Vial: 2
Acq On : 29 Mar 2004 9:11 am Operator: NH
Sample : 8260 ICAL 050 S Inst : GCMS 7
Misc : ICAL 8260B_S_CLP Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:38 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:42:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.95	168	92107	50.00 ug/kg	0.00
28) 1,4-Difluorobenzene	6.97	114	146193	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.52	117	124440	50.00 ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.46	152	66208	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.84	113	40199	39.34 ug/kg	0.00
Spiked Amount 50.000	Range 86 - 115		Recovery = 78.68%#		
42) Toluene-d8	8.92	98	165572	43.14 ug/kg	0.00
Spiked Amount 50.000			Recovery = 86.28%		
59) 4-Bromofluorobenzene	11.56	95	56799	44.22 ug/kg	0.00
Spiked Amount 50.000			Recovery = 88.44%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	63601	48.15 ug/kg	99
3) Chloromethane	1.62	50	111647	49.83 ug/kg	100
4) Vinyl chloride	1.72	62	100333	53.40 ug/kg	98
5) Bromomethane	2.00	94	55761	64.57 ug/kg	100
6) Chloroethane	2.09	64	62128	56.27 ug/kg	96
7) Trichlorofluoromethane	2.32	101	160674	53.46 ug/kg	98
8) Acrolein	2.69	56	28661	104.85 ug/kg	97
9) 1,1-Dichloroethene	2.82	96	51634	55.22 ug/kg	100
10) Acetone	2.84	58	28196	94.19 ug/kg	81
11) Freon-113	2.82	101	50706	59.11 µg/kg	99
12) Iodomethane	2.97	142	81476	98.48 ug/kg	93
13) Carbon disulfide	3.05	76	328034	122.92 ug/kg	100
14) Vinyl acetate	3.20	43	73865	108.37 ug/kg#	94
15) Methyl Acetate	3.20	43	73865	54.19 µg/kg#	1
16) Methylene chloride	3.32	84	68932	59.71 ug/kg	98
17) Acrylonitrile	3.60	53	46863	112.69 ug/kg	96
18) Methyl tert-butyl ether	3.68	73	63885	43.80 µg/kg	97
19) trans-1,2-Dichloroethene	3.67	96	53537	57.88 ug/kg	96
20) 1,1-Dichloroethane	4.23	63	94078	53.68 ug/kg	98
21) 2,2-Dichloropropane	5.14	77	66993	51.53 ug/kg	100
22) cis-1,2-Dichloroethene	5.14	96	61330	53.05 ug/kg	99
23) 2-Butanone	5.16	72	20889	103.95 ug/kg	100
24) Bromochloromethane	5.48	128	31325	57.14 ug/kg	96
25) Chloroform	5.61	83	93482	53.47 ug/kg	99

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

Quantitation Report (Not Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:42:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.88	97	70291	51.31 ug/kg	94
27)	Cyclohexane	5.98	56	89383	58.05 µg/kg	95
30)	1,1-Dichloropropene	6.13	110	23412	58.45 ug/kg	88
31)	Carbon tetrachloride	6.13	119	56972	54.10 ug/kg	95
32)	Benzene	6.41	78	219466	57.19 ug/kg	100
33)	1,2-Dichloroethane	6.42	62	73537	57.55 ug/kg	100
34)	Trichloroethene	7.31	130	52762	54.62 ug/kg	95
35)	Methylcyclohexane	7.59	55	69807	56.03 µg/kg	95
36)	1,2-Dichloropropane	7.60	63	61689	57.56 ug/kg#	100
37)	Dibromomethane	7.75	93	35260	58.41 ug/kg	90
38)	Bromodichloromethane	7.97	83	69447	57.19 ug/kg	100
39)	2-Chloroethyl vinyl ether	7.60	63	61689	115.12 µg/kg#	49
40)	cis-1,3-Dichloropropene	9.29	75	80966	57.64 ug/kg	96
41)	4-Methyl-2-pentanone	9.79	43	57342	74.10 ug/kg#	84
43)	Toluene	9.01	92	130598	54.45 ug/kg	98
44)	trans-1,3-Dichloropropene	9.29	75	80966	57.64 ug/kg	99
45)	1,1,2-Trichloroethane	9.50	83	44371	57.55 ug/kg	99
47)	2-Hexanone	9.79	43	57342	79.62 ug/kg	93
48)	Tetrachloroethene	9.68	166	48579	61.13 ug/kg	94
49)	1,3-Dichloropropane	9.68	76	89294	58.94 ug/kg	100
50)	Dibromochloromethane	9.94	129	53410	59.52 ug/kg	100
51)	1,2-Dibromoethane	10.05	107	53965	60.32 ug/kg#	99
52)	Chlorobenzene	10.54	112	147711	55.86 ug/kg	96
53)	1,1,1,2-Tetrachloroethane	10.62	131	52933	58.42 ug/kg	100
54)	Ethylbenzene	10.65	91	236356	55.99 ug/kg	97
55)	m,p-Xylene	10.77	91	369220	112.70 ug/kg	98
56)	o-Xylene	11.12	91	192216	56.34 ug/kg	97
57)	Styrene	11.13	104	161697	58.75 ug/kg	96
58)	Bromoform	11.28	173	33738	61.14 ug/kg#	94
61)	Bromobenzene	11.68	156	63974	55.95 ug/kg#	68
62)	1,1,2,2-Tetrachloroethane	11.67	83	71747	57.33 ug/kg	99
63)	1,2,3-Trichloropropane	11.71	75	107664	57.91 ug/kg#	1
64)	Isopropylbenzene	11.43	105	231617	57.85 ug/kg	99
65)	n-Propylbenzene	11.77	91	278502	59.29 ug/kg	99
66)	trans-1,4-Dichloro-2-buten	11.71	124	9357	111.61 ug/kg	68
67)	2-Chlorotoluene	11.84	91	163067	53.77 ug/kg	99
68)	4-Chlorotoluene	11.92	91	189024	54.11 ug/kg	98

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

Quantitation Report (Not Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:42:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

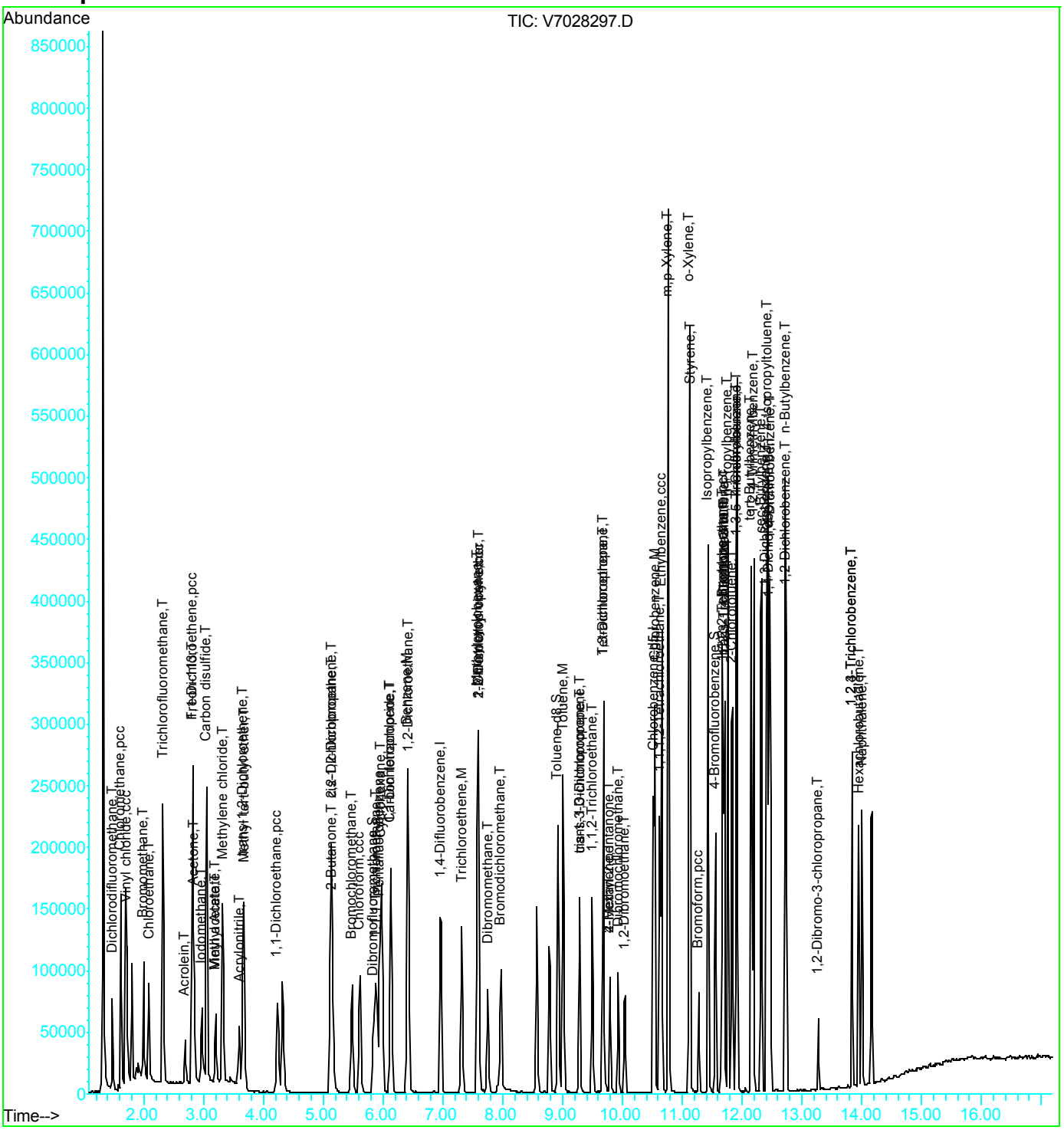
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.90	105	193004	54.65 ug/kg	99
70)	tert-Butylbenzene	12.15	119	203300	54.65 ug/kg	94
71)	1,2,4-Trimethylbenzene	12.19	105	195698	53.50 ug/kg	86
72)	sec-Butylbenzene	12.32	105	266491	55.31 ug/kg	99
73)	1,3-Dichlorobenzene	12.41	146	113530	54.25 ug/kg	97
74)	4-Isopropyltoluene	12.43	119	222955	54.90 ug/kg	96
75)	1,4-Dichlorobenzene	12.47	146	117587	54.03 ug/kg	98
76)	1,2-Dichlorobenzene	12.74	146	114428	55.65 ug/kg	98
77)	n-Butylbenzene	12.72	91	200801	55.93 ug/kg	97
78)	1,2-Dibromo-3-chloropropan	13.28	75	9942	51.38 ug/kg	88
79)	1,2,4-Trichlorobenzene	13.84	180	68331	55.55 ug/kg	97
80)	Hexachlorobutadiene	13.96	225	35846	55.66 ug/kg	97
81)	Naphthalene	14.01	128	132974	41.40 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.84	180	68331	55.55 ug/kg	96

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

Quantitation Report (Not Reviewed)

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 30 10:42 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 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	92	0.00
2	T	Dichlorodifluoromethane	0.717	0.691	3.6	80	0.00
3	pcc	Chloromethane	1.216	1.212	0.3	90	0.00
4	ccc	Vinyl chloride	1.020	1.089	-6.8	88	0.00
5	T	Bromomethane	0.567	0.605	-6.7	0#	0.00
6	T	Chloroethane	0.599	0.675	-12.7	91	0.00
7	T	Trichlorofluoromethane	1.632	1.744	-6.9	88	0.00
8	T	Acrolein	0.148	0.156	-5.4	100	0.00
9	pcc	1,1-Dichloroethene	0.508	0.561	-10.4	102	0.00
10	T	Acetone	0.162	0.153	5.6	88	0.00
11	T	Freon-113	0.499	0.551	-10.4	99	0.00
12	T	Iodomethane	0.384	0.442	-15.1	107	0.00
13	T	Carbon disulfide	1.569	1.781	-13.5	101	0.00
14	T	Vinyl acetate	0.370	0.401	-8.4	110	0.00
15	T	Methyl Acetate	0.740	0.802	-8.4	110	0.00
16	T	Methylene chloride	0.678	0.748	-10.3	103	0.00
17	T	Acrylonitrile	0.226	0.254	-12.4	99	0.00
18	T	Methyl tert-butyl ether	0.718	0.694	3.3	101	0.00
19	T	trans-1,2-Dichloroethene	0.534	0.581	-8.8	103	0.00
20	pcc	1,1-Dichloroethane	0.951	1.021	-7.4	103	0.00
21	T	2,2-Dichloropropane	0.706	0.727	-3.0	101	0.00
22	T	cis-1,2-Dichloroethene	0.628	0.666	-6.1	100	0.00
23	T	2-Butanone	0.109	0.113	-3.7	96	0.00
24	T	Bromochloromethane	0.298	0.340	-14.1	102	0.00
25	ccc	Chloroform	0.949	1.015	-7.0	103	0.00
26	T	1,1,1-Trichloroethane	0.744	0.763	-2.6	103	0.00
27	T	Cyclohexane	0.977	0.970	0.7	100	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	S	Dibromofluoromethane	0.349	0.275	21.2	89	0.00
30	T	1,1-Dichloropropene	0.148	0.160	-8.1	100	0.00
31	T	Carbon tetrachloride	0.360	0.390	-8.3	102	0.00
32	M	Benzene	1.422	1.501	-5.6	100	0.00
33	T	1,2-Dichloroethane	0.437	0.503	-15.1	103	0.00
34	M	Trichloroethene	0.330	0.361	-9.4	101	0.00
35	T	Methylcyclohexane	0.426	0.477	-12.0	98	0.00
36	ccc	1,2-Dichloropropane	0.367	0.422	-15.0	106	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 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)
37	T	Dibromomethane	0.206	0.241	-17.0	105	0.00
38	T	Bromodichloromethane	0.415	0.475	-14.5	102	0.00
39	T	2-Chloroethyl vinyl ether	0.183	0.211	-15.3	106	0.00
40	T	cis-1,3-Dichloropropene	0.480	0.554	-15.4	102	0.00
41	T	4-Methyl-2-pentanone	0.287	0.196	31.7#	0#	0.00
42	S	Toluene-d8	1.313	1.133	13.7	92	0.00
43	M	Toluene	0.820	0.893	-8.9	102	0.00
44	T	trans-1,3-Dichloropropene	0.480	0.554	-15.4	102	0.00
45	T	1,1,2-Trichloroethane	0.264	0.304	-15.2	103	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
47	T	2-Hexanone	0.316	0.230	27.2#	94	0.00
48	T	Tetrachloroethene	0.354	0.390	-10.2	99	0.00
49	T	1,3-Dichloropropane	0.609	0.718	-17.9	103	0.00
50	T	Dibromochloromethane	0.361	0.429	-18.8	101	0.00
51	T	1,2-Dibromoethane	0.359	0.434	-20.9	103	0.00
52	M	Chlorobenzene	1.062	1.187	-11.8	101	0.00
53	T	1,1,1,2-Tetrachloroethane	0.364	0.425	-16.8	101	0.00
54	ccc	Ethylbenzene	1.696	1.899	-12.0	102	0.00
55	T	m,p-Xylene	1.316	1.484	-12.8	102	0.00
56	T	o-Xylene	1.371	1.545	-12.7	104	0.00
57	T	Styrene	1.106	1.299	-17.5	102	0.00
58	pcc	Bromoform	0.222	0.271	-22.1#	101	0.00
59	S	4-Bromofluorobenzene	0.516	0.456	11.6	93	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
61	T	Bromobenzene	0.863	0.966	-11.9	105	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.945	1.084	-14.7	103	0.00
63	T	1,2,3-Trichloropropane	1.404	1.626	-15.8	105	0.00
64	T	Isopropylbenzene	3.259	3.498	-7.3	103	0.00
65	T	n-Propylbenzene	3.856	4.206	-9.1	104	0.00
66	T	trans-1,4-Dichloro-2-butene	0.063	0.071	-12.7	101	0.00
67	T	2-Chlorotoluene	2.290	2.463	-7.6	104	0.00
68	T	4-Chlorotoluene	2.638	2.855	-8.2	101	0.00
69	T	1,3,5-Trimethylbenzene	2.667	2.915	-9.3	103	-0.01
70	T	tert-Butylbenzene	2.809	3.071	-9.3	105	0.00
71	T	1,2,4-Trimethylbenzene	2.762	2.956	-7.0	102	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7032904\V7028297.D Vial: 4
Acq On : 29 Mar 2004 11:38 am Operator: NH
Sample : 8260 ICV 050 S Inst : GCMS 7
Misc : ICV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Tue Mar 30 10:41:24 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)
72	T	sec-Butylbenzene	3.638	4.025	-10.6	104	0.00
73	T	1,3-Dichlorobenzene	1.581	1.715	-8.5	101	0.00
74	T	4-Isopropyltoluene	3.067	3.367	-9.8	102	0.00
75	T	1,4-Dichlorobenzene	1.643	1.776	-8.1	100	0.00
76	T	1,2-Dichlorobenzene	1.553	1.728	-11.3	105	0.00
77	T	n-Butylbenzene	2.712	3.033	-11.8	102	0.00
78	T	1,2-Dibromo-3-chloropropane	0.146	0.150	-2.7	106	0.00
79	T	1,2,4-Trichlorobenzene	0.929	1.032	-11.1	105	0.00
80	T	Hexachlorobutadiene	0.486	0.541	-11.3	105	0.00
81	T	Naphthalene	2.425	2.008	17.2	104	0.00
82	T	1,2,3-Trichlorobenzene	0.929	1.032	-11.1	105	0.00

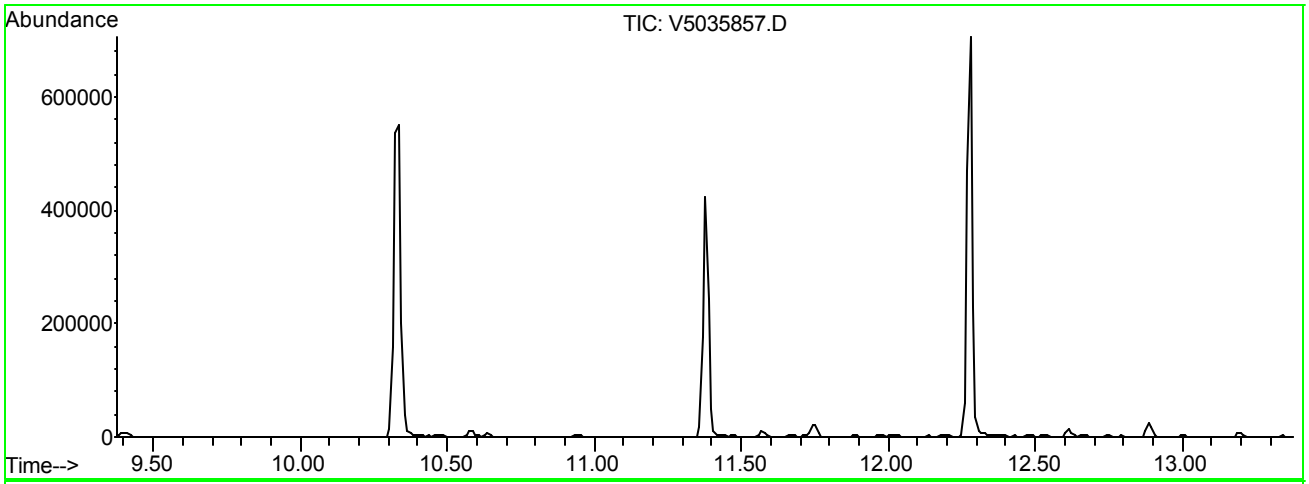
Injection Log

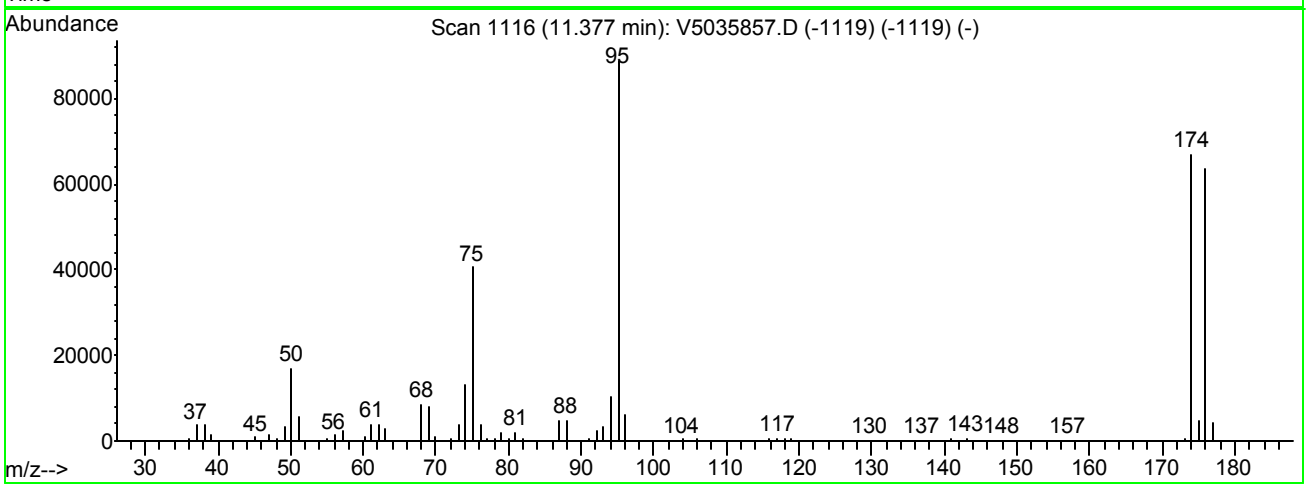
Directory: D:\MSDCHEM\1\DATA\040709

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V5035856.d	1.	BLANK	BLANK	9 Jul 2004 08:18
2	2	V5035857.d	1.	BFB TUNE	TUNE BFB_4	9 Jul 2004 08:46
3	3	V5035858.d	1.	8260 CCV 050 S	CCV 8260B_S	9 Jul 2004 09:14
4	4	V5035859.d	1.	MB-47532	MBLK 8260B_S	9 Jul 2004 09:42
5	5	V5035860.d	1.	LCS-47532	LCS 8260B_S	9 Jul 2004 10:09
6	6	V5035861.d	1.	0407279-001A 5.61g	SAMP 8260_TCL4.2_S	9 Jul 2004 10:37
7	7	V5035862.d	1.	0407279-002A 5.86g	SAMP 8260_TCL4.2_S	9 Jul 2004 11:05
8	8	V5035863.d	1.	0407279-003A 4.85g	SAMP 8260_TCL4.2_S	9 Jul 2004 11:32
9	9	V5035864.d	1.	0407253-007A 9.72g	SAMP 8260_TCL4.2_S	9 Jul 2004 12:00
10	10	V5035865.d	1.	0407279-001A 5.27g	SAMP 8260_TCL4.2_S	9 Jul 2004 12:28
11	11	V5035866.d	1.	0407279-002A 4.93g	SAMP 8260_TCL4.2_S	9 Jul 2004 12:56
12	12	V5035867.d	1.	0407279-003AMS 5.00g	MS 8260_TCL4.2_S	9 Jul 2004 13:24
13	13	V5035868.d	1.	0407279-003AMSD 5.00g	MSD 8260_TCL4.2_S	9 Jul 2004 13:51
14	14	V5035869.d	1.	0407279-003AMS 5.00g	MS 8260_TCL4.2_S	9 Jul 2004 14:19
15	15	V5035870.d	1.	0407303-002A 6.81g	SAMP 8260_TCL4.2_S	9 Jul 2004 14:47
16	16	V5035871.d	1.	0407303-003A 6.56g	SAMP 8260_TCL4.2_S	9 Jul 2004 15:15
17	17	V5035872.d	1.	0407303-004A 7.62g	SAMP 8260_TCL4.2_S	9 Jul 2004 15:42
18	18	V5035873.d	1.	0407303-005A 6.68g	SAMP 8260_TCL4.2_S	9 Jul 2004 16:10
19	19	V5035874.d	1.	0407303-007A 7.41g	SAMP 8260_TCL4.2_S	9 Jul 2004 16:38
20	20	V5035875.d	1.	0407303-008A 7.11g	SAMP 8260_TCL4.2_S	9 Jul 2004 17:06
21	21	V5035876.d	1.	0407303-010A 8.62g	SAMP 8260_TCL4.2_S	9 Jul 2004 17:34
22	22	V5035877.d	1.	0407303-012A 7.28g	SAMP 8260_TCL4.2_S	9 Jul 2004 18:01
23	23	V5035878.d	1.	0407303-001A 7.22g	SAMP 8260_TCL4.2_S	9 Jul 2004 18:29
24	24	V5035879.d	1.	BLANK	BLANK	9 Jul 2004 18:57

BFB

Data File : D:\MSDCHEM\1\DATA\040709\V5035857.D Vial: 2
Acq On : 9 Jul 2004 8:46 am Operator: AD
Sample : BFB TUNE Inst : GCMS-5
Misc : TUNE BFB_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration





Spectrum Information: Scan 1116

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	16818	PASS
75	95	30	60	45.6	40574	PASS
95	95	100	100	100.0	88968	PASS
96	95	5	9	6.6	5908	PASS
173	174	0.00	2	0.6	414	PASS
174	95	50	100	75.3	67012	PASS
175	174	5	9	6.7	4506	PASS
176	174	95	101	95.1	63714	PASS
177	176	5	9	6.7	4254	PASS

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 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	115	0.00
2	T	Dichlorodifluoromethane	0.565	0.440	22.1	90	0.00
3	pcc	Chloromethane	0.896	0.749	16.4	96	0.00
4	ccc	Vinyl chloride	0.781	0.699	10.5	106	0.00
5	T	Bromomethane	0.338	0.311	8.0	121	0.02
6	T	Chloroethane	0.437	0.430	1.6	112	0.04
7	T	Trichlorofluoromethane	0.851	0.871	-2.4	122	0.03
8	T	Acrolein	0.081	0.058	28.4	86	0.00
9	ccc	1,1-Dichloroethene	0.385	0.338	12.2	103	0.02
10	T	Acetone	0.104	0.077	26.0	92	-0.01
11	T	Freon-113	0.372	0.327	12.1	105	0.00
12	T	Iodomethane	0.308	0.315	-2.3	113	0.00
13	T	Carbon disulfide	1.175	1.023	12.9	100	0.02
14	T	Vinyl acetate	0.282	0.173	38.7#	73	0.00
15	T	Methyl Acetate	0.563	0.345	38.7#	73	0.00
16	T	Methylene chloride	1.226	0.615	49.8#	119	0.00
17	T	Acrylonitrile	0.187	0.147	21.4	100	0.00
18	T	Methyl tert-butyl ether	1.203	1.082	10.1	104	0.00
19	T	trans-1,2-Dichloroethene	0.444	0.413	7.0	109	0.00
20	pcc	1,1-Dichloroethane	0.932	0.819	12.1	106	0.00
21	T	2,2-Dichloropropane	0.514	0.478	7.0	108	0.00
22	T	cis-1,2-Dichloroethene	0.488	0.450	7.8	104	0.00
23	T	2-Butanone	0.077	0.061	20.8	90	0.00
24	T	Bromochloromethane	0.214	0.180	15.9	104	0.00
25	ccc	Chloroform	0.814	0.721	11.4	105	0.00
26	T	1,1,1-Trichloroethane	0.561	0.507	9.6	105	0.00
27	T	Cyclohexane	0.949	0.849	10.5	104	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
29	S	Dibromofluoromethane	0.266	0.236	11.3	103	0.00
30	T	1,1-Dichloropropene	0.122	0.118	3.3	107	0.00
31	T	Carbon tetrachloride	0.227	0.214	5.7	105	0.00
32	M	Benzene	1.218	1.142	6.2	108	0.00
33	T	1,2-Dichloroethane	0.366	0.315	13.9	101	0.00
34	M	Trichloroethene	0.256	0.239	6.6	108	0.00
35	T	Methylcyclohexane	0.419	0.406	3.1	109	0.00
36	ccc	1,2-Dichloropropane	0.340	0.303	10.9	104	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 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)
37	T	Dibromomethane	0.164	0.137	16.5	102	0.00
38	T	Bromodichloromethane	0.329	0.289	12.2	101	0.00
39	T	2-Chloroethyl vinyl ether	0.170	0.151	11.2	104	0.00
40	T	cis-1,3-Dichloropropene	0.408	0.374	8.3	103	0.00
41	T	4-Methyl-2-pentanone	0.288	0.226	21.5	90	-0.01
42	S	Toluene-d8	1.173	1.060	9.6	105	0.00
43	ccc	Toluene	0.728	0.701	3.7	110	0.00
44	T	trans-1,3-Dichloropropene	0.355	0.317	10.7	101	0.00
45	T	1,1,2-Trichloroethane	0.226	0.192	15.0	99	0.00
46	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
47	T	2-Hexanone	0.263	0.207	21.3	85	-0.01
48	T	Tetrachloroethene	0.281	0.278	1.1	111	0.00
49	T	1,3-Dichloropropane	0.458	0.426	7.0	102	0.00
50	T	Dibromochloromethane	0.221	0.201	9.0	100	0.00
51	T	1,2-Dibromoethane	0.247	0.226	8.5	103	-0.01
52	pcc	Chlorobenzene	0.806	0.757	6.1	105	0.00
53	T	1,1,1,2-Tetrachloroethane	0.226	0.217	4.0	103	0.00
54	ccc	Ethylbenzene	1.438	1.432	0.4	110	0.00
55	T	m,p-Xylene	1.160	1.117	3.7	108	0.00
56	T	o-Xylene	1.121	1.116	0.4	107	0.00
57	T	Styrene	0.917	0.921	-0.4	106	0.00
58	pcc	Bromoform	0.172	0.146	15.1	94	0.00
59	S	4-Bromofluorobenzene	0.481	0.427	11.2	103	0.00
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
61	T	Bromobenzene	0.565	0.587	-3.9	101	0.00
62	pcc	1,1,2,2-Tetrachloroethane	0.705	0.634	10.1	92	-0.01
63	T	1,2,3-Trichloropropane	0.984	0.920	6.5	91	0.00
64	T	Isopropylbenzene	2.238	2.447	-9.3	105	0.00
65	T	n-Propylbenzene	2.921	3.187	-9.1	106	0.00
66	T	trans-1,4-Dichloro-2-butene	0.033	0.032	3.0	93	0.00
67	T	2-Chlorotoluene	1.690	1.798	-6.4	106	0.00
68	T	4-Chlorotoluene	1.932	2.073	-7.3	106	0.00
69	T	1,3,5-Trimethylbenzene	1.931	2.064	-6.9	105	0.00
70	T	tert-Butylbenzene	1.785	1.906	-6.8	103	0.00
71	T	1,2,4-Trimethylbenzene	1.997	2.120	-6.2	106	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 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)
72	T	sec-Butylbenzene	2.684	2.892	-7.7	104	0.00
73	T	1,3-Dichlorobenzene	1.109	1.145	-3.2	103	0.00
74	T	4-Isopropyltoluene	2.006	2.184	-8.9	106	-0.01
75	T	1,4-Dichlorobenzene	1.193	1.180	1.1	104	0.00
76	T	1,2-Dichlorobenzene	1.109	1.112	-0.3	101	0.00
77	T	n-Butylbenzene	2.058	2.219	-7.8	107	0.00
78	T	1,2-Dibromo-3-chloropropane	0.101	0.092	8.9	92	0.00
79	T	1,2,4-Trichlorobenzene	0.661	0.710	-7.4	109	0.00
80	T	Hexachlorobutadiene	0.421	0.445	-5.7	110	0.00
81	T	Naphthalene	1.640	1.570	4.3	93	0.00
82	T	1,2,3-Trichlorobenzene	0.670	0.691	-3.1	105	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 09:32:53 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.74	168	192962	50.00	ug/kg	0.00
28) 1,4-Difluorobenzene	6.75	114	311019	50.00	ug/kg	0.00
46) Chlorobenzene-d5	10.33	117	290425	50.00	ug/kg	0.00
60) 1,4-Dichlorobenzene-d4	12.28	152	159591	50.00	ug/kg	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	5.64	113	73326	44.31	ug/kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 88.62%			
42) Toluene-d8	8.70	98	329588	45.17	ug/kg	0.00
Spiked Amount 50.000	Range 68 - 145		Recovery = 90.34%			
59) 4-Bromofluorobenzene	11.38	95	124134	44.43	ug/kg	0.00
Spiked Amount 50.000	Range 65 - 133		Recovery = 88.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.46	85	84856	38.92	ug/kg	100
3) Chloromethane	1.62	50	144481	41.77	ug/kg	99
4) Vinyl chloride	1.70	62	134836	44.73	ug/kg	99
5) Bromomethane	1.95	94	60035	46.06	ug/kg	99
6) Chloroethane	2.04	64	83011	49.25	ug/kg	97
7) Trichlorofluoromethane	2.26	101	168090	51.19	ug/kg	98
8) Acrolein	2.61	56	22234	71.47	ug/kg	97
9) 1,1-Dichloroethene	2.73	96	65291	44.00	ug/kg	95
10) Acetone	2.75	58	29568	81.29	ug/kg	96
11) Freon-113	2.72	101	63017	43.89	µg/kg	92
12) Iodomethane	2.87	142	121485	102.27	ug/kg	98
13) Carbon disulfide	2.95	76	394636	87.06	ug/kg	100
14) Vinyl acetate	3.09	43	66654	61.31	ug/kg#	97
15) Methyl Acetate	3.09	43	66654	30.68	µg/kg#	1
16) Methylene chloride	3.20	84	118646	52.90	ug/kg	100
17) Acrylonitrile	3.46	53	56893	78.67	ug/kg	96
18) Methyl tert-butyl ether	3.53	73	208795	44.98	µg/kg	98
19) trans-1,2-Dichloroethene	3.53	96	79726	46.48	ug/kg	93
20) 1,1-Dichloroethane	4.07	63	157984	43.92	ug/kg	99
21) 2,2-Dichloropropane	4.93	77	92202	46.49	ug/kg	98
22) cis-1,2-Dichloroethene	4.94	96	86871	46.17	ug/kg	95
23) 2-Butanone	4.96	72	23693	80.24	ug/kg	84
24) Bromochloromethane	5.28	128	34802	42.16	ug/kg#	77
25) Chloroform	5.41	83	139151	44.27	ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 09:32:53 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.68	97	97863	45.21 ug/kg	93
27)	Cyclohexane	5.77	56	163848	44.72 µg/kg	94
30)	1,1-Dichloropropene	5.92	110	36771	48.39 ug/kg	78
31)	Carbon tetrachloride	5.92	119	66667	47.17 ug/kg	100
32)	Benzene	6.20	78	355273	46.89 ug/kg	99
33)	1,2-Dichloroethane	6.21	62	98009	43.01 ug/kg	99
34)	Trichloroethene	7.10	130	74272	46.60 ug/kg	89
35)	Methylcyclohexane	7.37	55	126378	48.49 µg/kg	97
36)	1,2-Dichloropropane	7.38	63	94132	44.52 ug/kg#	100
37)	Dibromomethane	7.53	93	42478	41.62 ug/kg	90
38)	Bromodichloromethane	7.75	83	89879	43.93 ug/kg	99
39)	2-Chloroethyl vinyl ether	7.38	63	94132	89.04 µg/kg#	55
40)	cis-1,3-Dichloropropene	8.35	75	116470	45.86 ug/kg	93
41)	4-Methyl-2-pentanone	8.56	43	140273	78.23 ug/kg	96
43)	Toluene	8.78	92	218053	48.13 ug/kg	100
44)	trans-1,3-Dichloropropene	9.07	75	98724	44.76 ug/kg	97
45)	1,1,2-Trichloroethane	9.29	83	59739	42.58 ug/kg	96
47)	2-Hexanone	9.59	43	120149	78.58 ug/kg	96
48)	Tetrachloroethene	9.47	166	80792	49.46 ug/kg	98
49)	1,3-Dichloropropane	9.48	76	123599	46.43 ug/kg	100
50)	Dibromochloromethane	9.74	129	58317	45.34 ug/kg	100
51)	1,2-Dibromoethane	9.84	107	65527	45.61 ug/kg#	98
52)	Chlorobenzene	10.35	112	219777	46.97 ug/kg	89
53)	1,1,1,2-Tetrachloroethane	10.44	131	63157	48.19 ug/kg	97
54)	Ethylbenzene	10.48	91	415985	49.80 ug/kg	95
55)	m,p-Xylene	10.59	91	648996	96.30 ug/kg	97
56)	o-Xylene	10.94	91	324038	49.76 ug/kg	94
57)	Styrene	10.95	104	267455	50.22 ug/kg	93
58)	Bromoform	11.10	173	42384	40.21 ug/kg	99
61)	Bromobenzene	11.50	156	93634	51.95 ug/kg#	59
62)	1,1,2,2-Tetrachloroethane	11.49	83	101227	45.00 ug/kg	99
63)	1,2,3-Trichloropropane	11.53	75	146865	46.76 ug/kg#	1
64)	Isopropylbenzene	11.26	105	390461	54.65 ug/kg	95
65)	n-Propylbenzene	11.59	91	508625	54.56 ug/kg	93
66)	trans-1,4-Dichloro-2-buten	11.54	124	10184	86.30 ug/kg	76
67)	2-Chlorotoluene	11.66	91	286887	53.19 ug/kg	94
68)	4-Chlorotoluene	11.74	91	330826	53.66 ug/kg	93

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 09:32:53 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

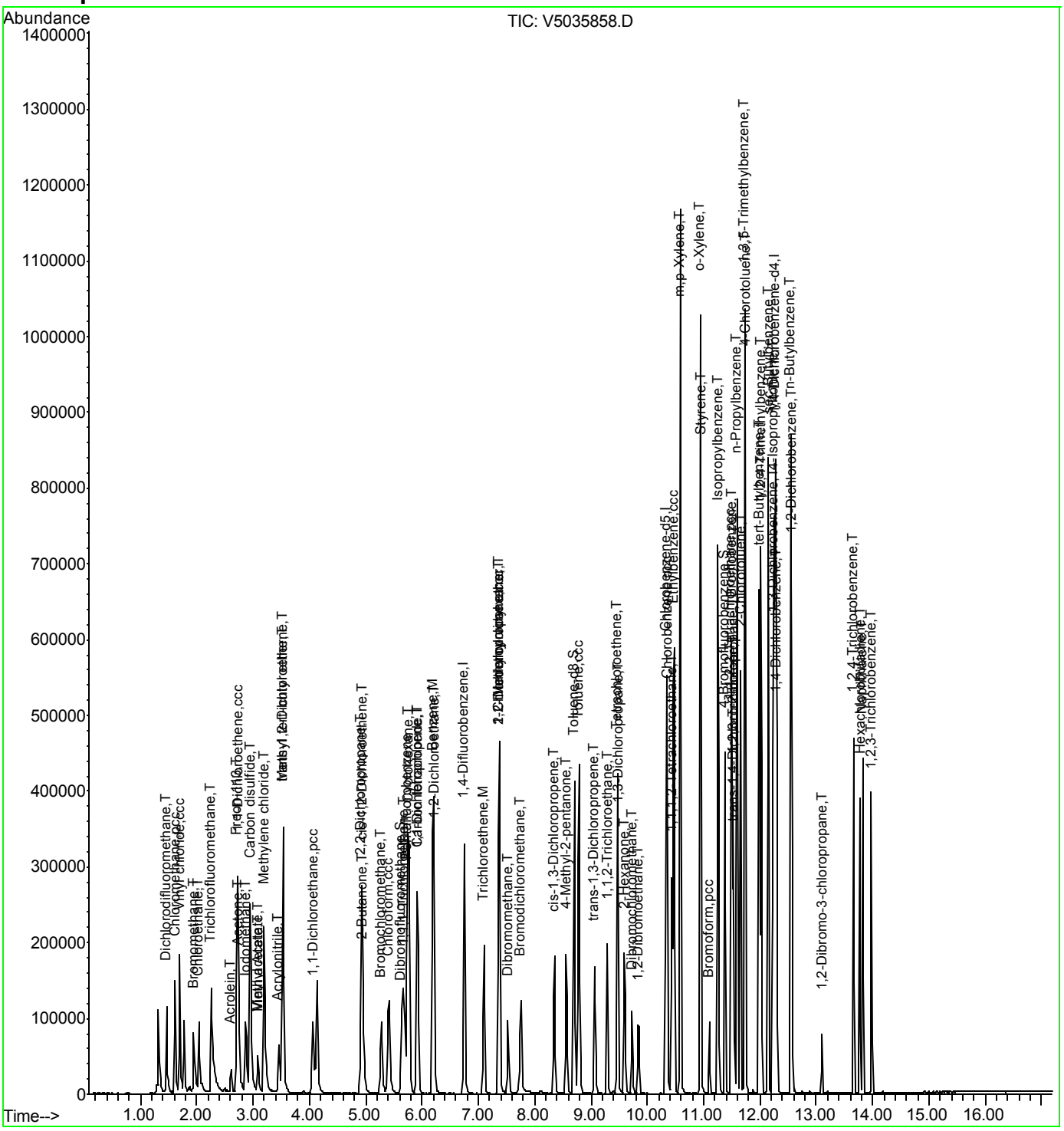
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.73	105	329379	53.43 ug/kg	94
70)	tert-Butylbenzene	11.98	119	304170	53.38 ug/kg	87
71)	1,2,4-Trimethylbenzene	12.01	105	338378	53.08 ug/kg	96
72)	sec-Butylbenzene	12.15	105	461611	53.88 ug/kg	93
73)	1,3-Dichlorobenzene	12.23	146	182694	51.61 ug/kg	99
74)	4-Isopropyltoluene	12.25	119	348483	54.42 ug/kg	95
75)	1,4-Dichlorobenzene	12.30	146	188295	49.46 ug/kg	99
76)	1,2-Dichlorobenzene	12.56	146	177492	50.16 ug/kg	98
77)	n-Butylbenzene	12.55	91	354151	53.92 ug/kg	95
78)	1,2-Dibromo-3-chloropropan	13.10	75	14744	45.68 ug/kg	75
79)	1,2,4-Trichlorobenzene	13.67	180	113272	53.70 ug/kg	96
80)	Hexachlorobutadiene	13.78	225	71062	52.90 ug/kg	98
81)	Naphthalene	13.83	128	250519	47.86 ug/kg	100
82)	1,2,3-Trichlorobenzene	13.99	180	110243	51.58 ug/kg	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035858.D Vial: 3
Acq On : 9 Jul 2004 9:14 am Operator: AD
Sample : 8260 CCV 050 S Inst : GCMS-5
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 9:32 2004 Quant Results File: VS070604.

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035859.D Vial: 4
Acq On : 9 Jul 2004 9:42 am Operator: AD
Sample : MB-47532 Inst : GCMS-5
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 08:53:10 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.74	168	176153	50.00 ug/kg	0.00
28) 1,4-Difluorobenzene	6.75	114	296428	50.00 ug/kg	0.00
46) Chlorobenzene-d5	10.33	117	276119	50.00 ug/kg	0.01
60) 1,4-Dichlorobenzene-d4	12.28	152	138782	50.00 ug/kg	0.00

System Monitoring Compounds

29) Dibromofluoromethane	5.64	113	69185	43.87 ug/kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 87.74%		
42) Toluene-d8	8.70	98	303591	43.66 ug/kg	0.00
Spiked Amount 50.000	Range 68 - 145		Recovery = 87.32%		
59) 4-Bromofluorobenzene	11.38	95	108623	40.89 ug/kg	0.00
Spiked Amount 50.000	Range 65 - 133		Recovery = 81.78%		

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) Acetone	0.00	58	0	N.D.	
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035859.D Vial: 4
Acq On : 9 Jul 2004 9:42 am Operator: AD
Sample : MB-47532 Inst : GCMS-5
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 08:53:10 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	0	N.D. 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. d	
48)	Tetrachloroethene	0.00	166	0	N.D.	
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
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	10.48	91	1543	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D. d	
56)	o-Xylene	10.93	91	955	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	11.66	105	2181	N.D.	
65)	n-Propylbenzene	11.59	91	1308	N.D.	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D.	
67)	2-Chlorotoluene	11.59	91	1308	N.D.	
68)	4-Chlorotoluene	11.74	91	1061	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035859.D Vial: 4
Acq On : 9 Jul 2004 9:42 am Operator: AD
Sample : MB-47532 Inst : GCMS-5
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 08:53:10 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

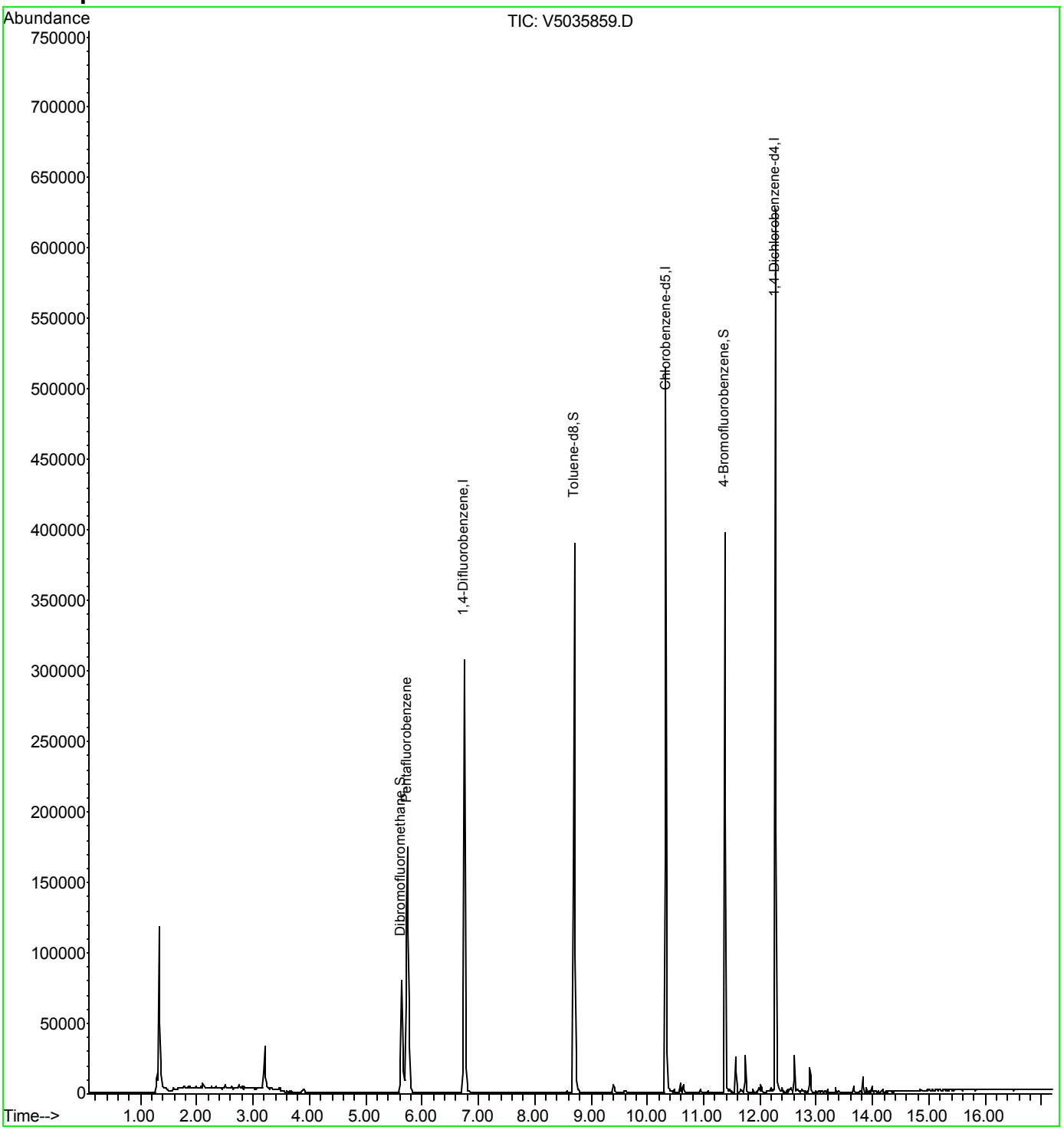
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.73	105	1478	N.D.	
70)	tert-Butylbenzene	12.26	119	1061	N.D.	
71)	1,2,4-Trimethylbenzene	12.01	105	2655	N.D.	
72)	sec-Butylbenzene	12.15	105	912	N.D.	
73)	1,3-Dichlorobenzene	12.29	146	980	N.D.	
74)	4-Isopropyltoluene	12.26	119	1061	N.D.	
75)	1,4-Dichlorobenzene	12.29	146	980	N.D.	
76)	1,2-Dichlorobenzene	12.29	146	980	N.D.	
77)	n-Butylbenzene	12.55	91	1800	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.	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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035859.D Vial: 4
Acq On : 9 Jul 2004 9:42 am Operator: AD
Sample : MB-47532 Inst : GCMS-5
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 8:53 2004 Quant Results File: VS070604.

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035860.D Vial: 5
Acq On : 9 Jul 2004 10:09 am Operator: AD
Sample : LCS-47532 Inst : GCMS-5
Misc : LCS 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 12:19:43 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.75	168	168551	50.00 ug/kg	0.01
28) 1,4-Difluorobenzene	6.76	114	288315	50.00 ug/kg	0.01
46) Chlorobenzene-d5	10.33	117	267107	50.00 ug/kg	0.01
60) 1,4-Dichlorobenzene-d4	12.28	152	131355	50.00 ug/kg	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	5.65	113	67463	43.98 ug/kg	0.01
Spiked Amount 50.000	Range 80 - 121		Recovery = 87.96%		
42) Toluene-d8	8.70	98	296433	43.83 ug/kg	0.00
Spiked Amount 50.000	Range 68 - 145		Recovery = 87.66%		
59) 4-Bromofluorobenzene	11.38	95	104025	40.48 ug/kg	0.00
Spiked Amount 50.000	Range 65 - 133		Recovery = 80.96%		

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	2.73	96	75531	58.27 ug/kg	94
10) Acetone	0.00	58	0	N.D.	
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	2.96	76	824	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035860.D Vial: 5
Acq On : 9 Jul 2004 10:09 am Operator: AD
Sample : LCS-47532 Inst : GCMS-5
Misc : LCS 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 12:19:43 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	0	N.D. d	
30)	1,1-Dichloropropene	0.00	110	0	N.D. d	
31)	Carbon tetrachloride	0.00	119	0	N.D.	
32)	Benzene	6.20	78	404359	57.57 ug/kg	99
33)	1,2-Dichloroethane	0.00	62	0	N.D. d	
34)	Trichloroethene	7.10	130	84908	57.46 ug/kg	88
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	8.78	92	245894	58.55 ug/kg	100
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.	
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.35	112	253848	58.99 ug/kg	89
53)	1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
54)	Ethylbenzene	10.48	91	1373	N.D.	
55)	m,p-Xylene	0.00	91	0	N.D. d	
56)	o-Xylene	0.00	91	0	N.D. 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	11.66	105	1587	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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035860.D Vial: 5
Acq On : 9 Jul 2004 10:09 am Operator: AD
Sample : LCS-47532 Inst : GCMS-5
Misc : LCS 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 12:19:43 2004 Quant Results File: VS070604.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration
DataAcq Meth : 8260L

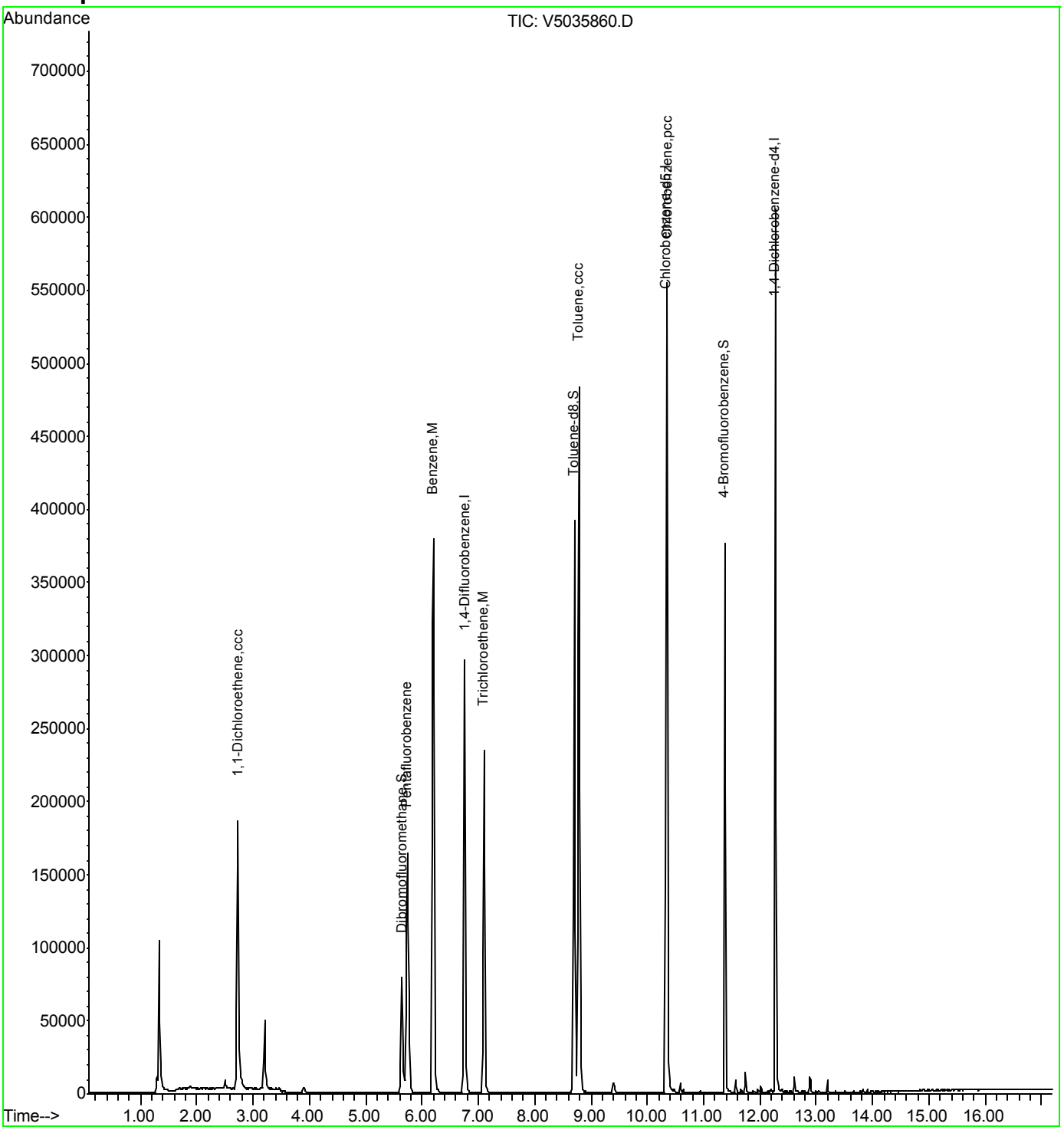
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.66	105	1587	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	12.01	105	2184	N.D.	
72)	sec-Butylbenzene	12.01	105	2184	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
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	13.83	128	1493	N.D.	
82)	1,2,3-Trichlorobenzene	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\040709\V5035860.D Vial: 5
Acq On : 9 Jul 2004 10:09 am Operator: AD
Sample : LCS-47532 Inst : GCMS-5
Misc : LCS 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 8:54 2004 Quant Results File: VS070604.

Method : D:\MSDCHEM\1\METHODS\VS070604.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Wed Jul 07 10:10:34 2004
Response via : Initial Calibration



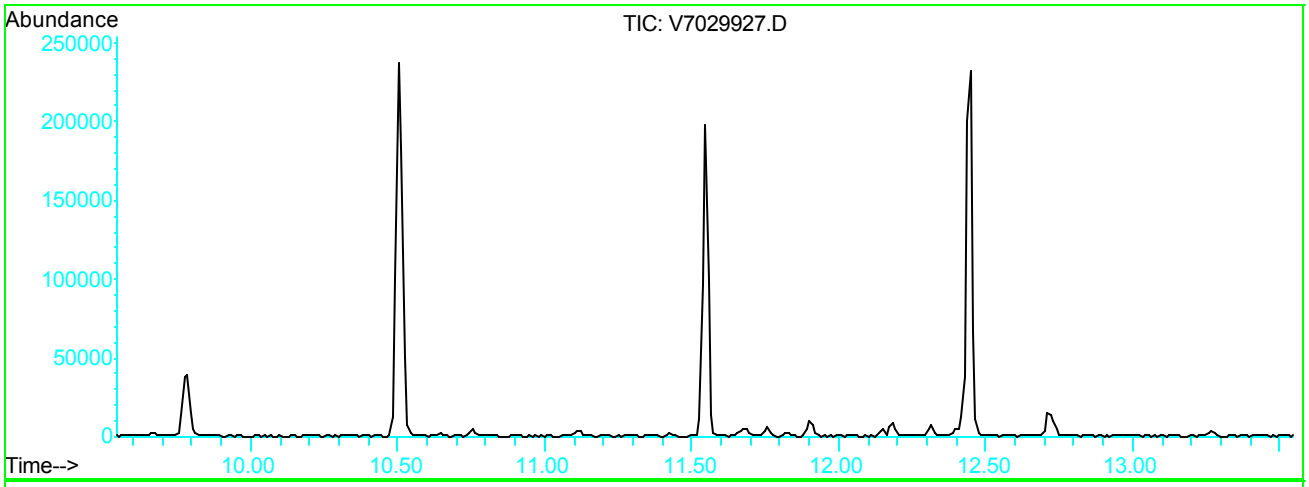
Injection Log

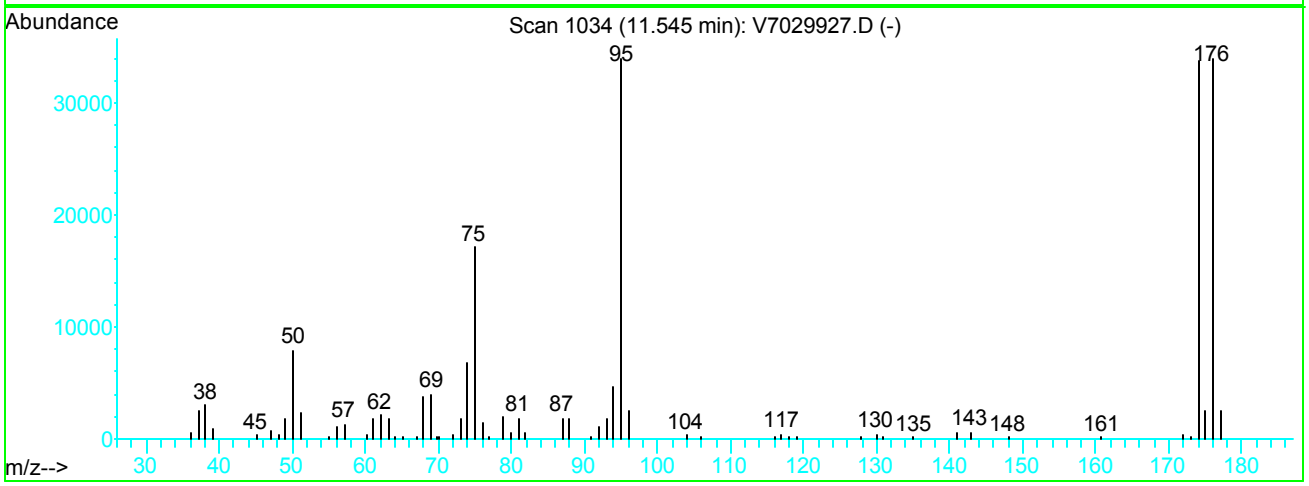
Directory: D:\MSDCHEM\1\DATA\7070904

Line	Vial	FileName	Multiplier	SampleName		Misc Info	Injected
1	1	V7029918.D	1.	BFB		TUNE BFB_4	9 Jul 2004 08:27
2	2	V7029919.D	1.	BFB		TUNE BFB_4	9 Jul 2004 08:55
3	3	V7029920.D	1.	8260 CCV 050 S		CCV 8260B_S	9 Jul 2004 09:41
4	4	V7029921.D	1.	MB----------		MBLK 8260B_S	9 Jul 2004 10:27
5	5	V7029922.D	1.	8260 CCV 050 S		CCV 8260B_S	9 Jul 2004 10:55
6	6	V7029923.D	1.	MB----------		MBLK 8260B_S	9 Jul 2004 11:24
7	7	V7029924.D	1.	8260 CCV 050 S		CCV 8260B_S	9 Jul 2004 11:52
8	8	V7029925.D	1.	MB----------		MBLK 8260B_S	9 Jul 2004 12:21
9	9	V7029926.D	1.	8260 CCV 050 S		CCV 8260B_S	9 Jul 2004 12:49
10	10	V7029927.D	1.	BFB		TUNE BFB_4	9 Jul 2004 13:18
11	11	V7029928.D	1.	8260 CCV 050 S		CCV 8260B_S	9 Jul 2004 13:46
12	12	V7029929.D	1.	MB----------		MBLK 8260B_S	9 Jul 2004 14:15
13	13	V7029930.D	1.	MB-47532		MBLK 8260B_S	9 Jul 2004 14:43
14	14	V7029931.D	1.	0407302-001A	5.00g	SAMP 8260_TCL4.2_S	9 Jul 2004 15:26
15	15	V7029932.D	1.	0407302-004A	5.00g	SAMP 8260_TCL4.2_S	9 Jul 2004 15:54
16	16	V7029933.D	1.	0407302-002A	5.00g	SAMP 8260_TCL4.2_S	9 Jul 2004 16:23
17	17	V7029934.D	1.	0407302-006A	5.00g	SAMP 8260_TCL4.2_S	9 Jul 2004 16:51
18	18	V7029935.D	1.	0407336-001A	5.17g	SAMP 8260_TCL4.2_S	9 Jul 2004 17:20
19	19	V7029936.D	1.	MBLK		MBLK 8260_TCL4.2_S	9 Jul 2004 17:48
20	20	V7029937.D	1.	MBLK		MBLK 8260_TCL4.2_S	9 Jul 2004 18:17

BFB

Data File : D:\MSDCHEM\1\DATA\7070904\V7029927.D Vial: 10
Acq On : 9 Jul 2004 1:18 pm Operator: NH
Sample : BFB Inst : GCMS 7
Misc : TUNE BFB_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration





Spectrum Information: Scan 1034

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	7898	PASS
75	95	30	60	50.5	17146	PASS
95	95	100	100	100.0	33936	PASS
96	95	5	9	7.2	2430	PASS
173	174	0.00	2	0.8	255	PASS
174	95	50	100	99.7	33818	PASS
175	174	5	9	7.2	2445	PASS
176	174	95	101	100.6	34024	PASS
177	176	5	9	7.4	2514	PASS

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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	97	-0.02
2	T	Dichlorodifluoromethane	0.717	0.433	39.6#	53	0.00
3	pcc	Chloromethane	1.216	0.497	59.1#	39#	0.00
4	ccc	Vinyl chloride	1.020	0.892	12.5	76	-0.01
5	T	Bromomethane	0.567	0.394	30.5#	0#	0.00
6	T	Chloroethane	0.599	0.651	-8.7	93	-0.01
7	T	Trichlorofluoromethane	1.632	1.638	-0.4	88	-0.01
8	T	Acrolein	0.148	0.060	59.5#	40#	0.00
9	Mpcc	1,1-Dichloroethene	0.508	0.607	-19.5	117	0.00
10	T	Acetone	0.162	0.156	3.7	95	-0.01
11	T	Freon-113	0.499	0.700	-40.3#	133	-0.01
12	T	Iodomethane	0.384	0.485	-26.3	124	-0.01
13	T	Carbon disulfide	1.569	1.667	-6.2	100	0.00
14	T	Vinyl acetate	0.370	0.467	-26.2	135	-0.01
15	T	Methyl Acetate	0.740	0.934	-26.2	135	-0.01
16	T	Methylene chloride	0.678	0.849	-25.2	124	-0.01
17	T	Acrylonitrile	0.226	0.204	9.7	84	-0.02
18	T	Methyl tert-butyl ether	0.718	0.019	97.4#	3#	-0.02
19	T	trans-1,2-Dichloroethene	0.534	0.526	1.5	98	-0.01
20	pcc	1,1-Dichloroethane	0.951	0.977	-2.7	104	-0.02
21	T	2,2-Dichloropropane	0.706	0.676	4.2	100	-0.02
22	T	cis-1,2-Dichloroethene	0.628	0.605	3.7	96	-0.02
23	T	2-Butanone	0.109	0.086	21.1	77	-0.03
24	T	Bromochloromethane	0.298	0.279	6.4	89	-0.02
25	ccc	Chloroform	0.949	0.939	1.1	101	-0.02
26	T	1,1,1-Trichloroethane	0.744	0.756	-1.6	108	-0.02
27	T	Cyclohexane	0.977	0.911	6.8	100	-0.01
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.01
29	S	Dibromofluoromethane	0.349	0.357	-2.3	128	-0.02
30	T	1,1-Dichloropropene	0.148	0.148	0.0	102	-0.01
31	T	Carbon tetrachloride	0.360	0.398	-10.6	115	-0.01
32	M	Benzene	1.422	1.300	8.6	96	-0.02
33	T	1,2-Dichloroethane	0.437	0.453	-3.7	102	-0.02
34	M	Trichloroethene	0.330	0.328	0.6	101	-0.01
35	T	Methylcyclohexane	0.426	0.423	0.7	96	-0.02
36	ccc	1,2-Dichloropropane	0.367	0.358	2.5	99	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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)
37	T	Dibromomethane	0.206	0.213	-3.4	102	-0.02
38	T	Bromodichloromethane	0.415	0.418	-0.7	99	-0.02
39	T	2-Chloroethyl vinyl ether	0.183	0.179	2.2	99	-0.02
40	T	cis-1,3-Dichloropropene	0.480	0.473	1.5	96	0.02
41	T	4-Methyl-2-pentanone	0.287	0.255	11.1	0#	-0.02
42	S	Toluene-d8	1.313	1.205	8.2	107	-0.01
43	M	Toluene	0.820	0.712	13.2	90	-0.01
44	T	trans-1,3-Dichloropropene	0.480	0.421	12.3	86	-0.02
45	T	1,1,2-Trichloroethane	0.264	0.231	12.5	87	-0.02
46	I	Chlorobenzene-d5	1.000	1.000	0.0	91	-0.01
47	T	2-Hexanone	0.316	0.220	30.4#	89	-0.02
48	T	Tetrachloroethene	0.354	0.417	-17.8	106	-0.01
49	T	1,3-Dichloropropane	0.609	0.602	1.1	86	-0.01
50	T	Dibromochloromethane	0.361	0.429	-18.8	101	-0.02
51	T	1,2-Dibromoethane	0.359	0.352	1.9	83	-0.01
52	M	Chlorobenzene	1.062	1.016	4.3	86	-0.01
53	T	1,1,1,2-Tetrachloroethane	0.364	0.390	-7.1	92	-0.01
54	ccc	Ethylbenzene	1.696	1.640	3.3	88	-0.01
55	T	m,p-Xylene	1.316	1.280	2.7	88	-0.01
56	T	o-Xylene	1.371	1.269	7.4	85	-0.01
57	T	Styrene	1.106	1.033	6.6	81	-0.01
58	pcc	Bromoform	0.222	0.254	-14.4	94	-0.01
59	S	4-Bromofluorobenzene	0.516	0.437	15.3	88	-0.01
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	-0.01
61	T	Bromobenzene	0.863	0.768	11.0	92	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.945	0.760	19.6	80	-0.01
63	T	1,2,3-Trichloropropane	1.404	1.059	24.6	75	-0.01
64	T	Isopropylbenzene	3.259	2.665	18.2	87	-0.01
65	T	n-Propylbenzene	3.856	3.282	14.9	89	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.063	0.045	28.6	71	-0.01
67	T	2-Chlorotoluene	2.290	1.818	20.6	85	-0.01
68	T	4-Chlorotoluene	2.638	2.167	17.9	85	-0.01
69	T	1,3,5-Trimethylbenzene	2.667	2.235	16.2	87	-0.01
70	T	tert-Butylbenzene	2.809	2.199	21.7	83	0.00
71	T	1,2,4-Trimethylbenzene	2.762	2.301	16.7	88	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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)
72	T	sec-Butylbenzene	3.638	3.025	16.8	86	-0.01
73	T	1,3-Dichlorobenzene	1.581	1.425	9.9	93	-0.01
74	T	4-Isopropyltoluene	3.067	2.553	16.8	86	-0.01
75	T	1,4-Dichlorobenzene	1.643	1.541	6.2	95	-0.01
76	T	1,2-Dichlorobenzene	1.553	1.404	9.6	94	-0.01
77	T	n-Butylbenzene	2.712	2.293	15.4	85	-0.01
78	T	1,2-Dibromo-3-chloropropane	0.146	0.099	32.2#	77	-0.01
79	T	1,2,4-Trichlorobenzene	0.929	0.808	13.0	91	-0.01
80	T	Hexachlorobutadiene	0.486	0.429	11.7	92	-0.01
81	T	Naphthalene	2.425	1.640	32.4#	93	-0.01
82	T	1,2,3-Trichlorobenzene	0.929	0.743	20.0	84	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	97453	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	161213	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	124134	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	72979	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	57621	51.14 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 102.28%		
42) Toluene-d8	8.91	98	194203	45.88 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 91.76%		
59) 4-Bromofluorobenzene	11.55	95	54197	42.30 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 84.60%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	42149	30.16 ug/kg	98
3) Chloromethane	1.63	50	48482	20.45 ug/kg	98
4) Vinyl chloride	1.71	62	86913	43.72 ug/kg	98
5) Bromomethane	1.99	94	38362	41.17 ug/kg	90
6) Chloroethane	2.08	64	63440	54.31 ug/kg	100
7) Trichlorofluoromethane	2.31	101	159610	50.19 ug/kg	99
8) Acrolein	2.68	56	11602	40.11 ug/kg	96
9) 1,1-Dichloroethene	2.81	96	59160m	59.79 ug/kg	
10) Acetone	2.83	58	30357	95.85 ug/kg	88
11) Freon-113	2.81	101	68218	75.66 µg/kg	99
12) Iodomethane	2.96	142	94451	106.62 ug/kg	94
13) Carbon disulfide	3.05	76	324998	114.77 ug/kg	100
14) Vinyl acetate	3.19	43	90979	126.16 ug/kg#	95
15) Methyl Acetate	3.19	43	90987	63.08 µg/kg#	1
16) Methylene chloride	3.31	84	82716	68.20 ug/kg	97
17) Acrylonitrile	3.58	53	39772	90.39 ug/kg	94
18) Methyl tert-butyl ether	3.66	73	1854m	7.08 µg/kg	
19) trans-1,2-Dichloroethene	3.66	96	51220	52.25 ug/kg	98
20) 1,1-Dichloroethane	4.21	63	95259	51.37 ug/kg	99
21) 2,2-Dichloropropane	5.12	77	65880	47.90 ug/kg	100
22) cis-1,2-Dichloroethene	5.12	96	58937	48.18 ug/kg	99
23) 2-Butanone	5.13	72	16768	78.86 ug/kg	77
24) Bromochloromethane	5.46	128	27194	46.89 ug/kg	88
25) Chloroform	5.59	83	91486	49.46 ug/kg	97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.86	97	73722	50.87 ug/kg	93
27)	Cyclohexane	5.97	56	88789	54.38 µg/kg	100
30)	1,1-Dichloropropene	6.12	110	23812	53.85 ug/kg	89
31)	Carbon tetrachloride	6.12	119	64088	55.19 ug/kg	98
32)	Benzene	6.39	78	209527	49.44 ug/kg	100
33)	1,2-Dichloroethane	6.40	62	73021	51.83 ug/kg	96
34)	Trichloroethene	7.30	130	52913	49.68 ug/kg	98
35)	Methylcyclohexane	7.57	55	68137	49.60 µg/kg	96
36)	1,2-Dichloropropane	7.58	63	57763	48.88 ug/kg#	100
37)	Dibromomethane	7.73	93	34403	51.68 ug/kg	90
38)	Bromodichloromethane	7.95	83	67371	50.32 ug/kg	97
39)	2-Chloroethyl vinyl ether	7.58	63	57763	97.75 µg/kg#	36
40)	cis-1,3-Dichloropropene	8.55	75	76305	49.26 ug/kg	98
41)	4-Methyl-2-pentanone	8.76	43	82306	96.54 ug/kg	90
43)	Toluene	8.99	92	114813	43.41 ug/kg	94
44)	trans-1,3-Dichloropropene	9.27	75	67855	43.81 ug/kg	98
45)	1,1,2-Trichloroethane	9.48	83	37276	43.84 ug/kg	96
47)	2-Hexanone	9.77	43	54697	76.34 ug/kg	90
48)	Tetrachloroethene	9.66	166	51778	65.37 ug/kg	100
49)	1,3-Dichloropropane	9.67	76	74787	49.49 ug/kg	98
50)	Dibromochloromethane	9.91	129	53287	59.53 ug/kg	98
51)	1,2-Dibromoethane	10.03	107	43675	48.94 ug/kg#	98
52)	Chlorobenzene	10.53	112	126097	47.81 ug/kg	100
53)	1,1,1,2-Tetrachloroethane	10.61	131	48356	53.50 ug/kg	98
54)	Ethylbenzene	10.64	91	203587	48.34 ug/kg	97
55)	m,p-Xylene	10.76	91	317714	97.22 ug/kg	99
56)	o-Xylene	11.11	91	157574	46.30 ug/kg	96
57)	Styrene	11.12	104	128241	46.71 ug/kg	100
58)	Bromoform	11.27	173	31576	57.36 ug/kg#	93
61)	Bromobenzene	11.67	156	56073	44.49 ug/kg	84
62)	1,1,2,2-Tetrachloroethane	11.66	83	55434	40.18 ug/kg	99
63)	1,2,3-Trichloropropane	11.70	75	77264	37.70 ug/kg#	1
64)	Isopropylbenzene	11.42	105	194496	43.99 ug/kg	99
65)	n-Propylbenzene	11.76	91	239487	46.04 ug/kg	97
66)	trans-1,4-Dichloro-2-buten	11.70	124	6602	71.45 ug/kg	72
67)	2-Chlorotoluene	11.83	91	132640	39.68 ug/kg	98
68)	4-Chlorotoluene	11.91	91	158153	41.07 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:37 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

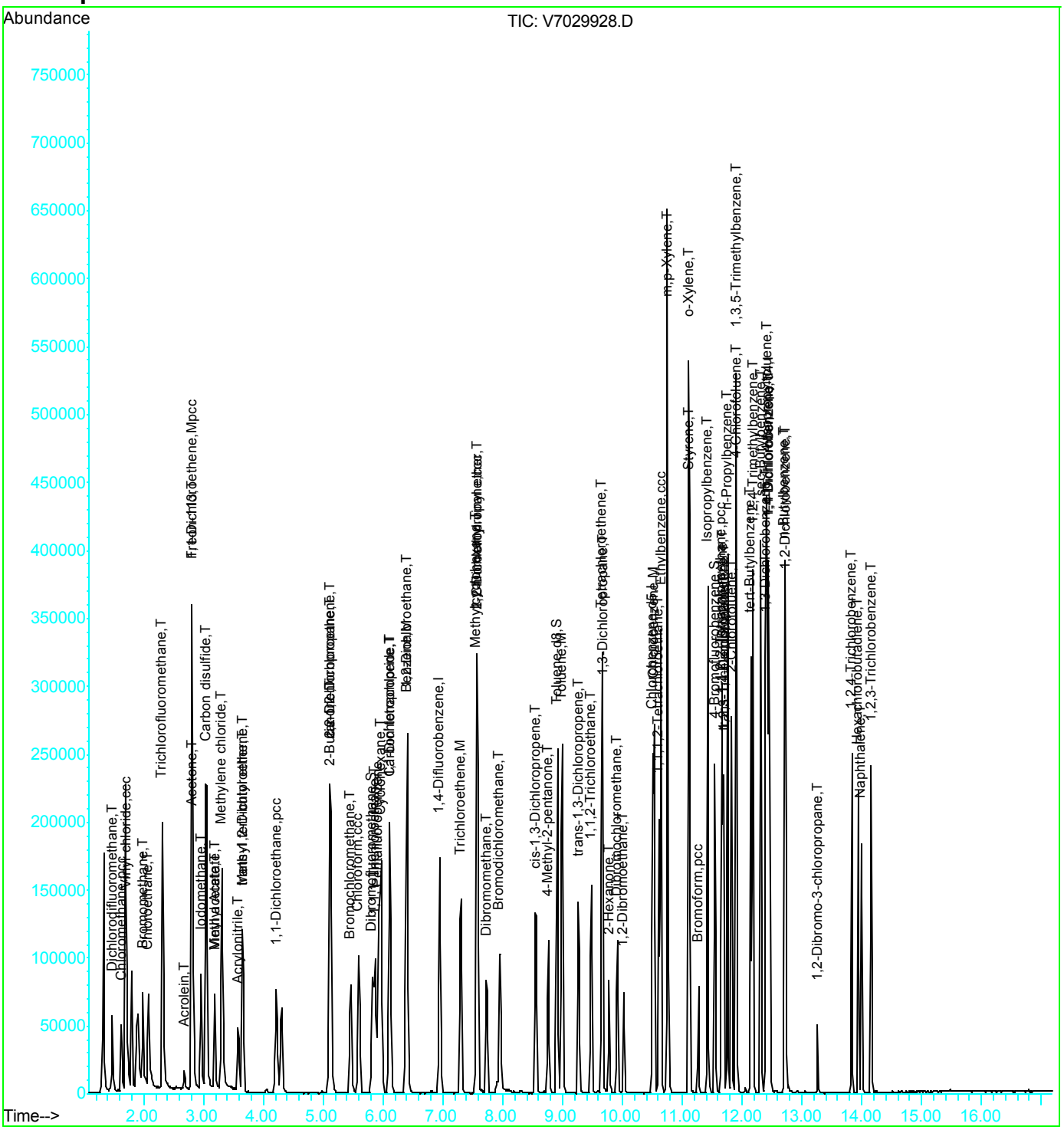
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.90	105	163089	41.90 ug/kg	97
70)	tert-Butylbenzene	12.15	119	160486	39.14 ug/kg	96
71)	1,2,4-Trimethylbenzene	12.18	105	167942	41.65 ug/kg	89
72)	sec-Butylbenzene	12.31	105	220762	41.57 ug/kg	98
73)	1,3-Dichlorobenzene	12.40	146	104004	45.08 ug/kg	99
74)	4-Isopropyltoluene	12.42	119	186288	41.62 ug/kg	99
75)	1,4-Dichlorobenzene	12.46	146	112429	46.87 ug/kg	96
76)	1,2-Dichlorobenzene	12.73	146	102463	45.21 ug/kg	97
77)	n-Butylbenzene	12.71	91	167370	42.29 ug/kg	95
78)	1,2-Dibromo-3-chloropropan	13.27	75	7190	33.71 ug/kg	90
79)	1,2,4-Trichlorobenzene	13.83	180	58995	43.51 ug/kg	96
80)	Hexachlorobutadiene	13.95	225	31331	44.14 ug/kg	99
81)	Naphthalene	14.00	128	119691	33.81 ug/kg	100
82)	1,2,3-Trichlorobenzene	14.16	180	54189	39.97 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029928.D Vial: 11
Acq On : 9 Jul 2004 1:46 pm Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 14:10 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029930.D Vial: 13
Acq On : 9 Jul 2004 2:43 pm Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:30:45 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	86801	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	151334	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	116815	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	54224	50.00 ug/kg	-0.01

System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	54509	51.54 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 103.08%		
42) Toluene-d8	8.91	98	180794	45.50 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 91.00%		
59) 4-Bromofluorobenzene	11.55	95	43526	36.10 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 72.20%		

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) Acetone	0.00	58	0	N.D.	
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029930.D Vial: 13
Acq On : 9 Jul 2004 2:43 pm Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:30:45 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	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.	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.	d
48)	Tetrachloroethene	0.00	166	0	N.D.	
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029930.D Vial: 13
Acq On : 9 Jul 2004 2:43 pm Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:30:45 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

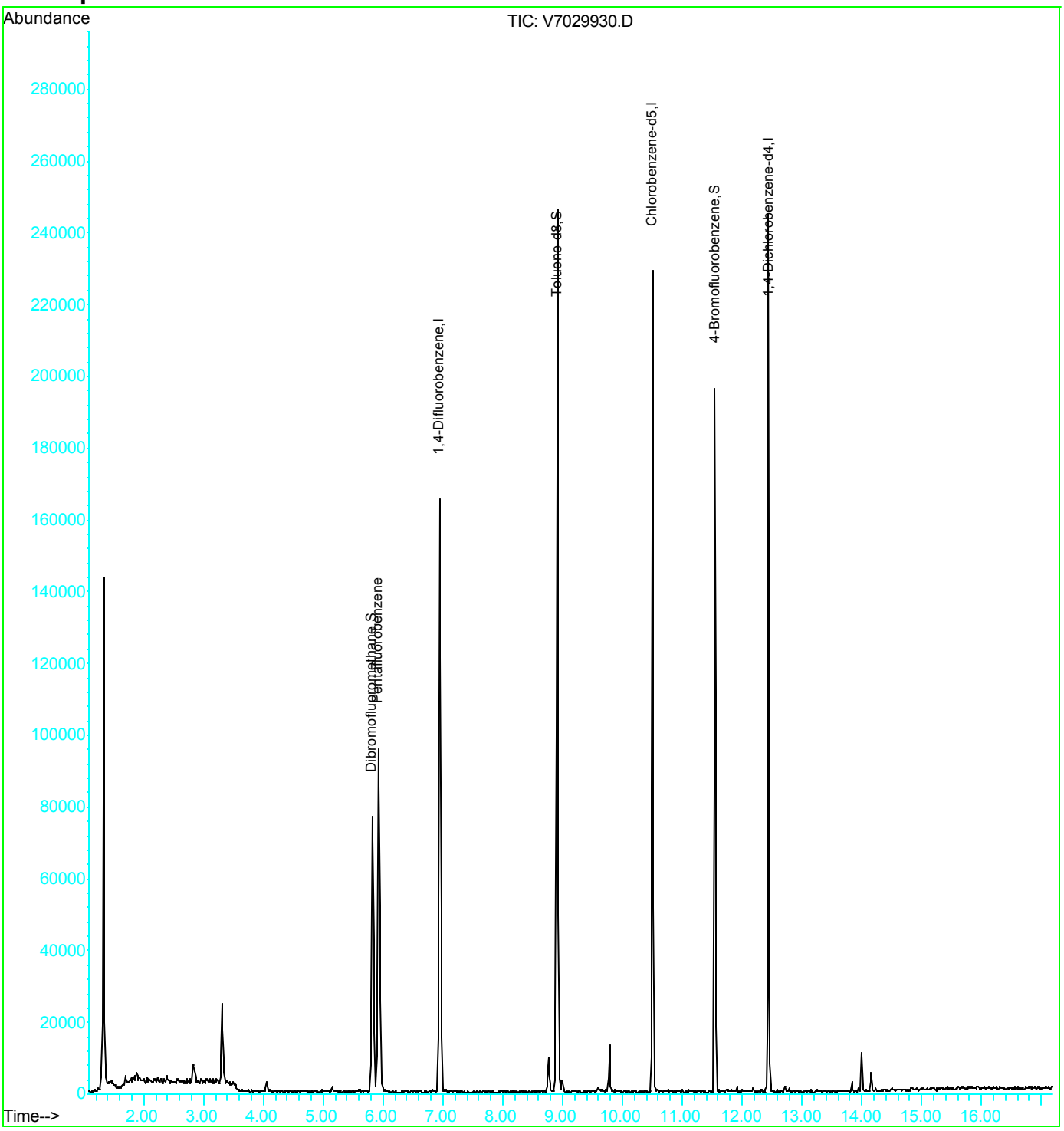
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029930.D Vial: 13
Acq On : 9 Jul 2004 2:43 pm Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260B_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 15:31 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:12:04 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	90346	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	148339	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	104424	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	262432	50.00 ug/kg	-0.01

System Monitoring Compounds

29) Dibromofluoromethane	5.82	113	49133	47.39 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 94.78%		
42) Toluene-d8	8.91	98	167373	42.97 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 85.94%		
59) 4-Bromofluorobenzene	11.55	95	50354	46.71 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 93.42%		

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) Acetone	2.83	58	8605	29.31 ug/kg	87
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:12:04 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	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. 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. d	
48)	Tetrachloroethene	9.66	166	118430	179.08 ug/kg	99
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
50)	Dibromochloromethane	0.00	129	0	N.D. 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	10.64	91	5641	1.59 ug/kg#	40
55)	m,p-Xylene	10.76	91	219843	79.97 ug/kg	99
56)	o-Xylene	11.11	91	72962	25.48 ug/kg	98
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. 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	0.00	91	0	N.D. d	
66)	trans-1,4-Dichloro-2-buten	0.00	124	0	N.D. d	
67)	2-Chlorotoluene	0.00	91	0	N.D. d	
68)	4-Chlorotoluene	0.00	91	0	N.D. d	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:12:04 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

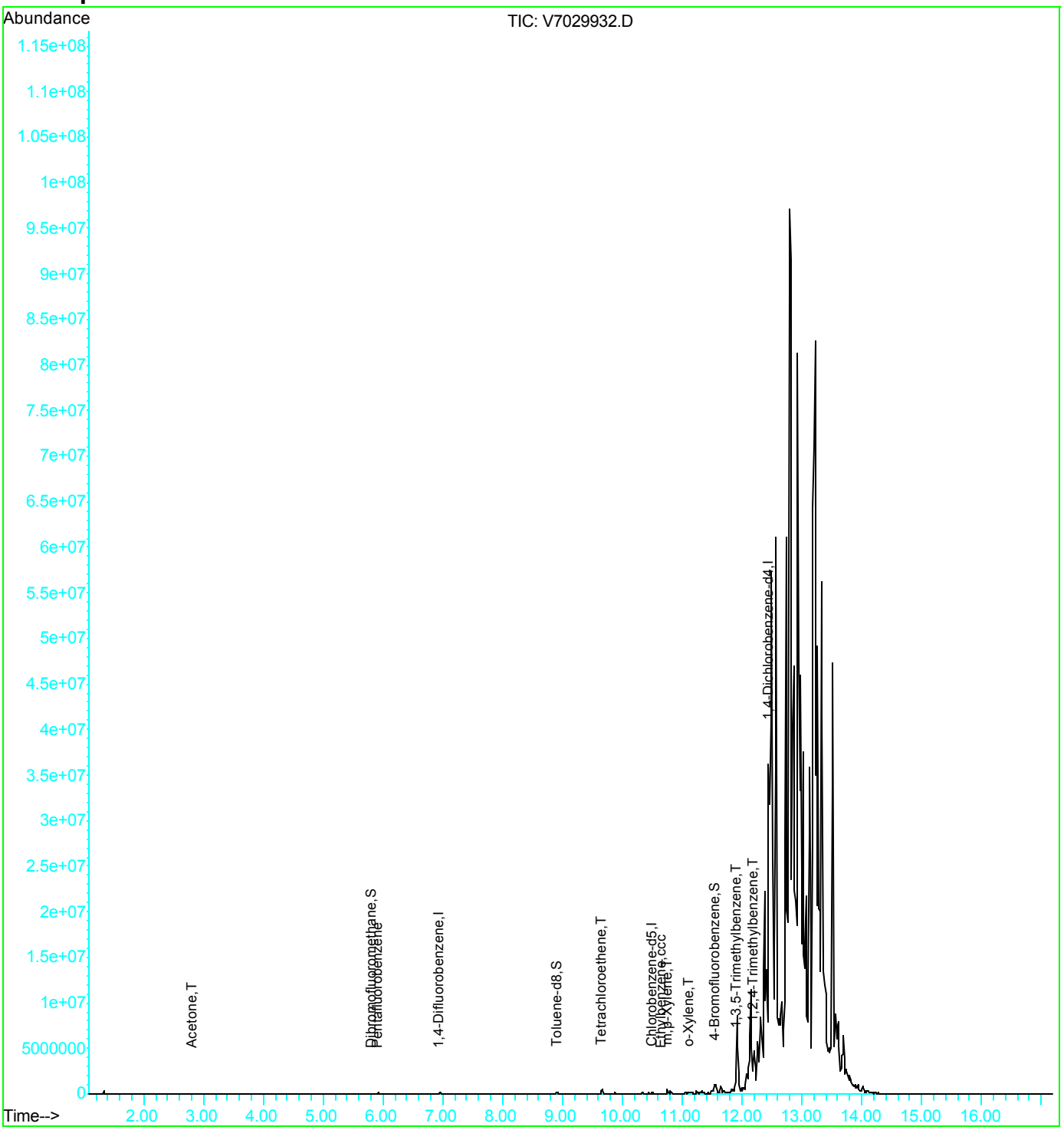
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.90	105	135760	9.70 ug/kg	98
70)	tert-Butylbenzene	0.00	119	0	N.D. d	
71)	1,2,4-Trimethylbenzene	12.18	105	303525	20.93 ug/kg	99
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	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. 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 8:40 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 4000 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

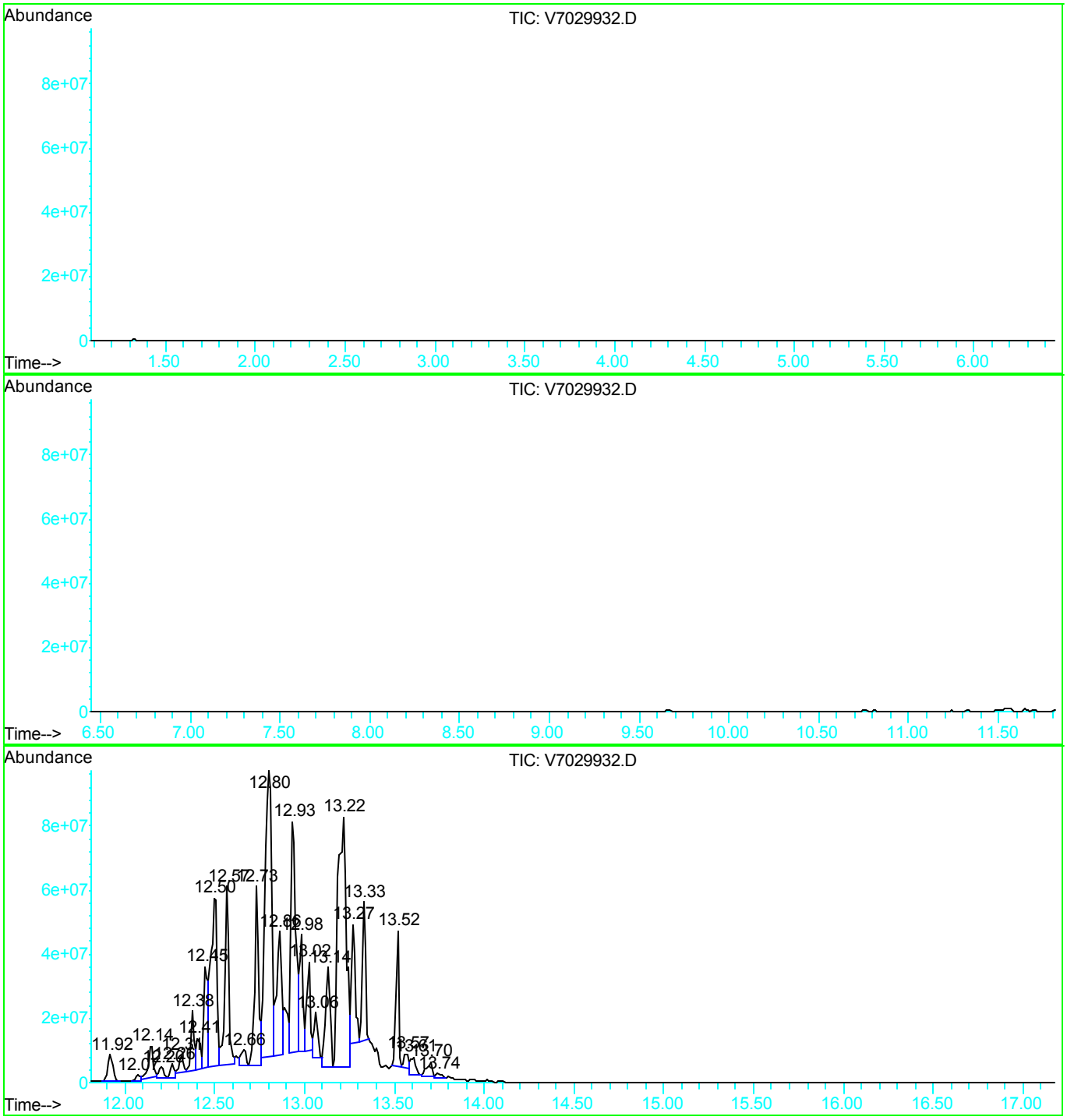
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.920	1066	1071	1076	rVB	8327612	15574916	5.96%	1.010%
2	12.072	1083	1086	1088	rBV3	1754498	3868116	1.48%	0.251%
3	12.143	1088	1093	1096	rVV	10310009	20736528	7.93%	1.345%
4	12.203	1096	1099	1102	rVB3	3173231	6616834	2.53%	0.429%
5	12.264	1102	1105	1107	rBV	4144885	7501158	2.87%	0.487%
6	12.315	1107	1110	1113	rVV2	5355861	9725060	3.72%	0.631%
7	12.376	1113	1116	1118	rVV	18591581	27795409	10.63%	1.803%
8	12.406	1118	1119	1121	rVV2	9563960	12932113	4.95%	0.839%
9	12.446	1121	1123	1125	rVV	31752091	61670678	23.59%	4.000%
10	12.497	1125	1128	1131	rVV2	52473373	124475501	47.62%	8.074%
11	12.568	1131	1135	1139	rVV	55551897	93617399	35.81%	6.073%
12	12.659	1142	1144	1147	rVB2	4813689	8213914	3.14%	0.533%
13	12.730	1147	1151	1154	rBV	55889219	92444689	35.37%	5.996%
14	12.801	1154	1158	1161	rVV3	89222130	243084653	93.00%	15.768%
15	12.862	1161	1164	1166	rVV2	38403438	78782447	30.14%	5.110%
16	12.933	1169	1171	1174	rVV2	71979929	146355341	55.99%	9.493%
17	12.983	1174	1176	1178	rVV	36187438	52393887	20.04%	3.399%
18	13.024	1178	1180	1182	rVV	27302712	30821212	11.79%	1.999%
19	13.064	1182	1184	1187	rVB2	13834503	20070436	7.68%	1.302%
20	13.135	1187	1191	1193	rVB	30671999	52109901	19.94%	3.380%
21	13.216	1193	1199	1203	rBV4	77560007	261395310	100.00%	16.956%
22	13.267	1203	1204	1208	rVV2	36248756	48672638	18.62%	3.157%
23	13.327	1208	1210	1213	rVB2	42843277	48366117	18.50%	3.137%
24	13.520	1226	1229	1231	rVV	41991969	46032527	17.61%	2.986%
25	13.570	1231	1234	1235	rVV	4006841	6452566	2.47%	0.419%
26	13.611	1235	1238	1241	rVB3	5284056	10510848	4.02%	0.682%
27	13.702	1242	1247	1249	rVB3	4309195	8630324	3.30%	0.560%
28	13.743	1249	1251	1255	rVB2	1197886	2796343	1.07%	0.181%

Sum of corrected areas: 1541646865

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\1\DATA\7070904\V7029932.D
Operator : NH
Acquired : 9 Jul 2004 3:54 pm using AcqMethod 8260J
Instrument : GCMS 7
Sample Name: 0407302-004A 5.00g
Misc Info : SAMP 8260_TCL4.2_S
Vial Number: 15
Quant File :VS032804.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 1 Decane, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	7.88 ug/kg	9725060	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	62
2	Decane, 3-methyl-	156	C11H24	013151-34-3	62
3	Octane	114	C8H18	000111-65-9	53
4	10-Methylnonadecane	282	C20H42	000000-00-0	47
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	43

****

Peak Number 2 Cyclohexane, butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	22.54 ug/kg	27795400	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	59

****

Peak Number 3 Decane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	100.92 ug/kg	124476000	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	87
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4	Undecane, 2-methyl-	170	C12H26	007045-71-8	53
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	53

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 4 Decane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	75.90 ug/kg	93617400	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	93
2	Decane, 3-methyl-	156	C11H24	013151-34-3	81
3	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	64
4	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	50
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47

****

Peak Number 5 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	74.95 ug/kg	92444700	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	91
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	87

****

Peak Number 6 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	197.08 ug/kg	243085000	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	87
2	Undecane	156	C11H24	001120-21-4	53
3	10-Methylnonadecane	282	C20H42	000000-00-0	47
4	Octane	114	C8H18	000111-65-9	46
5	Decanedioic acid, didecyl ester	482	C30H58O4	002432-89-5	43

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 7 4-Octene, 2,3,7-trimethyl-,[S-(E)]- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	63.87 ug/kg	78782400	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,3,7-trimethyl-, [s-(...	154	C11H22	052763-13-0	43
2	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	38
4	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	35
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	35

****

Peak Number 8 Cyclohexanone, 2,6-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	118.66 ug/kg	146355000	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,6-diethyl-	154	C10H18O	016519-68-9	49
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	46
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	38
4	10-Methylnonadecane	282	C20H42	000000-00-0	38
5	Dotriacontane	451	C32H66	000544-85-4	38

****

Peak Number 9 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	42.48 ug/kg	52393900	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	72
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
4	Hexatriacontane	507	C36H74	000630-06-8	50
5	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	50

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

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Peak Number 10 Undecane, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	24.99 ug/kg	30821200	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	64
2	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	64
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	47
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	47

****

Peak Number 11 Octadecane, 1-chloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	16.27 ug/kg	20070400	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	38
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	38
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	27
4	Eicosane	282	C20H42	000112-95-8	27
5	1-Iodoundecane	282	C11H23I	004282-44-4	27

****

Peak Number 12 2-Hexyl-1-decanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	42.25 ug/kg	52109900	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexyl-1-decanol	242	C16H34O	000000-00-0	38
2	2-Hexyl-1-octanol	214	C14H30O	000000-00-0	30
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	30
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	27
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	27

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

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Peak Number 13 Ethanone, 1-cyclohexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	211.93 ug/kg	261395000	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	60
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
4	2-Octene, 2,3,7-trimethyl-	154	C11H22	033933-75-4	43
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43

****

Peak Number 14 Undecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	39.46 ug/kg	48672600	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	78
3	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
5	Nonadecane	268	C19H40	000629-92-5	59

****

Peak Number 15 Tridecane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	39.21 ug/kg	48366100	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	47
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	47
3	Pentadecane	212	C15H32	000629-62-9	38
4	Decane, 3-bromo-	220	C10H21Br	030571-71-2	35
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	35

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029932.D Vial: 15
Acq On : 9 Jul 2004 3:54 pm Operator: NH
Sample : 0407302-004A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

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Peak Number 16 Dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	37.32 ug/kg	46032500	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Dodecane	170	C12H26	000112-40-3	93
3	Dodecane	170	C12H26	000112-40-3	93
4	Dodecane	170	C12H26	000112-40-3	93
5	Dodecane	170	C12H26	000112-40-3	93

****

Peak Number 17 Dodecane, 6-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	8.52 ug/kg	10510800	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	55
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	55
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	43
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 9 Jul 2004 3:54 pm
Data File: D:\MSDCHEM\1\DATA\7070904\V7029932.D
Name: 0407302-004A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Decane, 3-methyl-	12.31	7.9	ug/kg	9725060	4	12.45	61670700	50.0
Cyclohexane, butyl-	12.38	22.5	ug/kg	27795400	4	12.45	61670700	50.0
Decane, 2-methyl-	12.50	100.9	ug/kg	124476000	4	12.45	61670700	50.0
Decane, 3-methyl-	12.57	75.9	ug/kg	93617400	4	12.45	61670700	50.0
Naphthalene, decahydro	12.73	75.0	ug/kg	92444700	4	12.45	61670700	50.0
Undecane	12.80	197.1	ug/kg	243085000	4	12.45	61670700	50.0
4-Octene, 2,3,7-trimethyl-,[S-(E)]-	12.86	63.9	ug/kg	78782400	4	12.45	61670700	50.0
Cyclohexanone, 2,6-diethyl	12.93	118.7	ug/kg	146355000	4	12.45	61670700	50.0
Tridecane	12.98	42.5	ug/kg	52393900	4	12.45	61670700	50.0
Undecane, 4-methyl-	13.02	25.0	ug/kg	30821200	4	12.45	61670700	50.0
Octadecane, 1-chloro	13.06	16.3	ug/kg	20070400	4	12.45	61670700	50.0
2-Hexyl-1-decanol	13.14	42.2	ug/kg	52109900	4	12.45	61670700	50.0
Ethanone, 1-cyclohexyl	13.22	211.9	ug/kg	261395000	4	12.45	61670700	50.0
Undecane, 2-methyl-	13.27	39.5	ug/kg	48672600	4	12.45	61670700	50.0
Tridecane, 2,5-dimethyl	13.33	39.2	ug/kg	48366100	4	12.45	61670700	50.0
Dodecane	13.52	37.3	ug/kg	46032500	4	12.45	61670700	50.0
Dodecane, 6-methyl-	13.61	8.5	ug/kg	10510800	4	12.45	61670700	50.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:52:49 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	134795	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	203875	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	153561	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	63863	50.00 ug/kg	-0.01

System Monitoring Compounds

29) Dibromofluoromethane	5.83	113	64120	45.00 ug/kg	0.00
Spiked Amount 50.000	Range 80 - 121		Recovery = 90.00%		
42) Toluene-d8	8.91	98	248767	46.47 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 92.94%		
59) 4-Bromofluorobenzene	11.55	95	54096	34.13 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 68.26%		

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) Acetone	2.83	58	19993	45.64 ug/kg	93
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	3.05	76	4286	Below Cal	100
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:52:49 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	0	N.D. d	
30)	1,1-Dichloropropene	0.00	110	0	N.D.	
31)	Carbon tetrachloride	0.00	119	0	N.D.	
32)	Benzene	6.40	78	13034	1.96 ug/kg#	52
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	0.00	43	0	N.D. d	
43)	Toluene	8.99	92	24111	7.21 ug/kg	94
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.	
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	10.76	91	6815	1.69 ug/kg#	25
56)	o-Xylene	0.00	91	0	N.D. 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:52:49 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

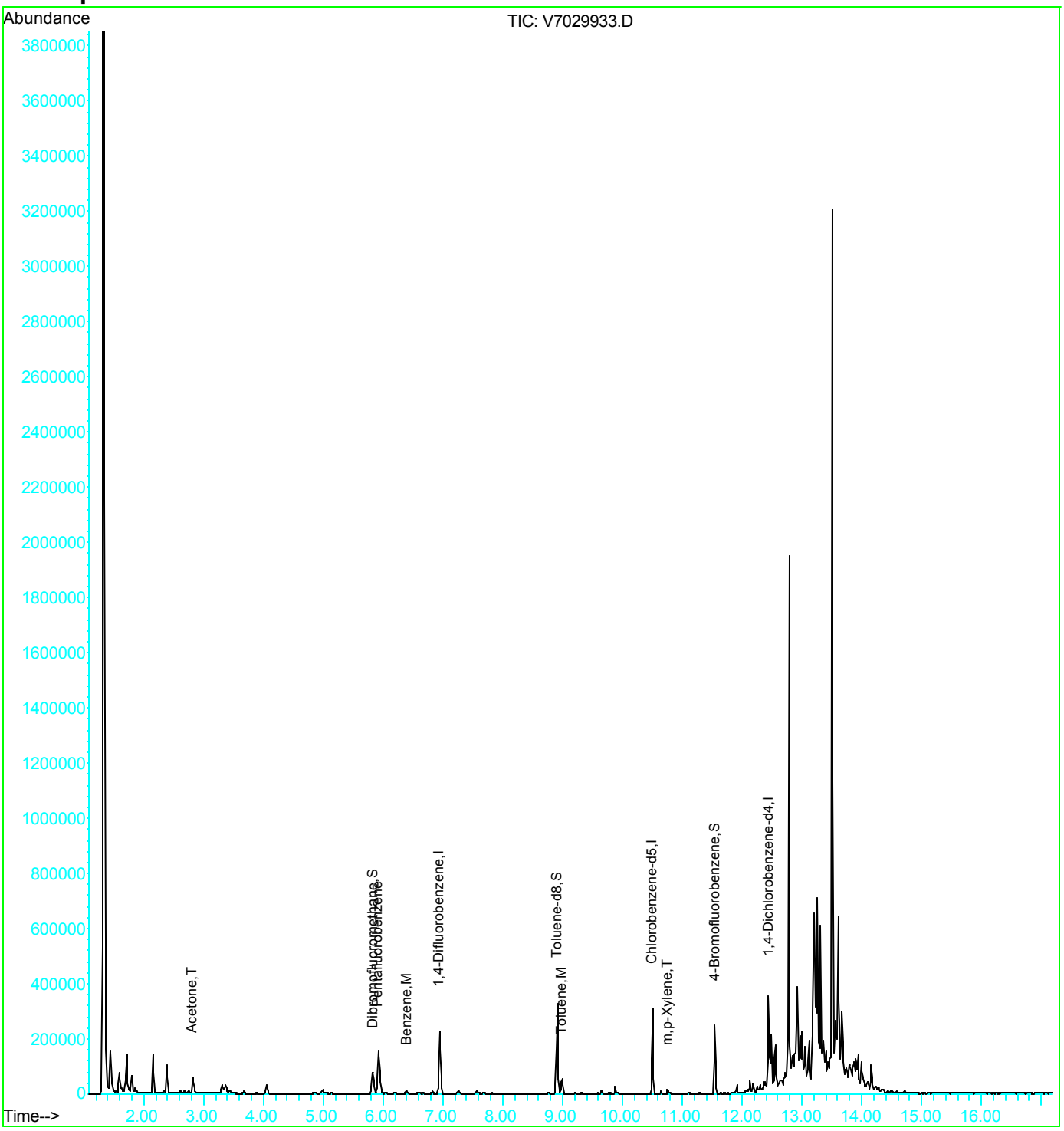
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D. d	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D. d	
72)	sec-Butylbenzene	0.00	105	0	N.D. d	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D. d	
75)	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 8:41 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 4000 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

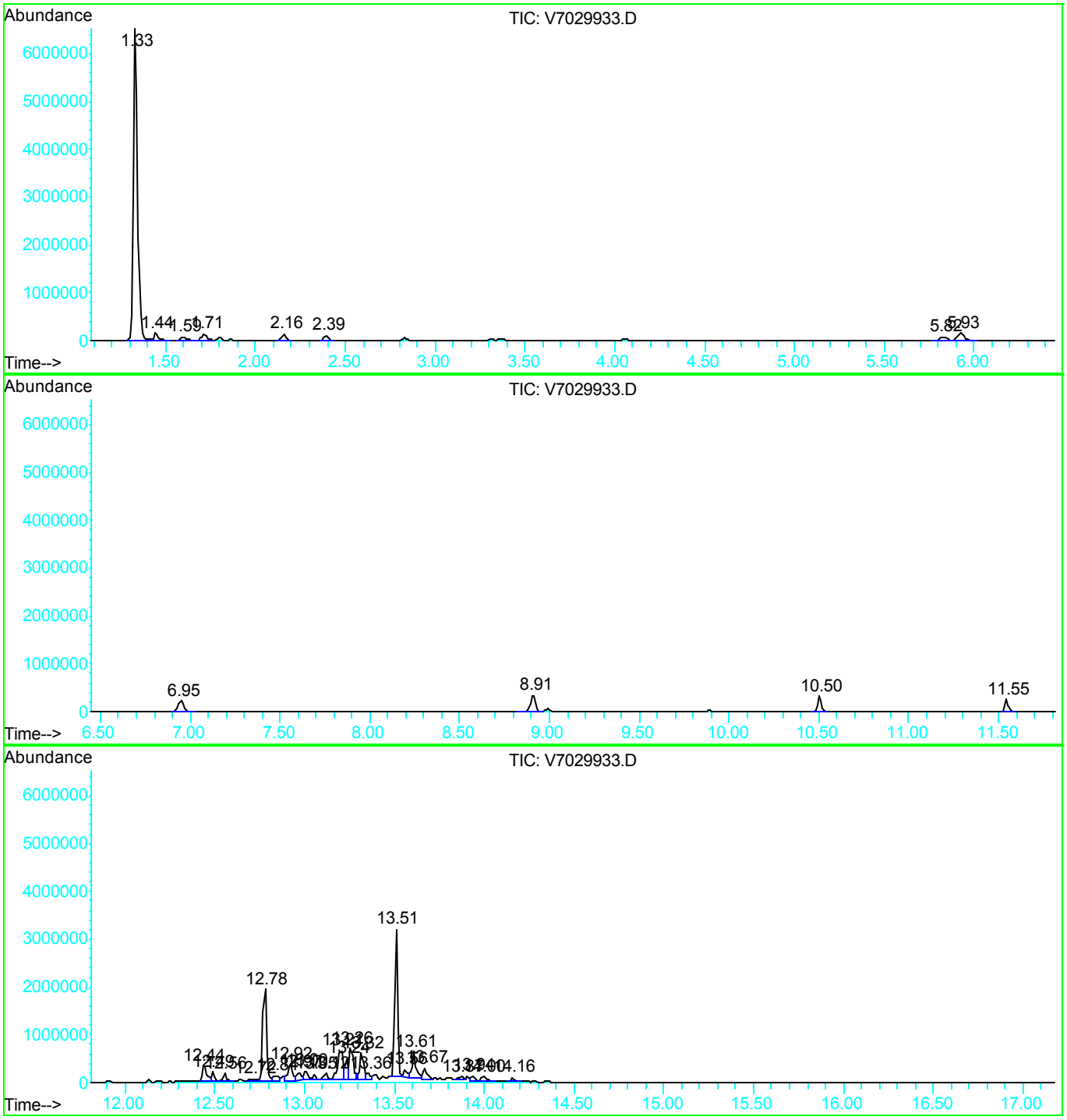
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.328	21	25	34	rBV	6511560	11067952	100.00%	38.697%
2	1.439	34	36	45	rVB2	145637	247324	2.23%	0.865%
3	1.591	48	51	59	rBV2	69672	140062	1.27%	0.490%
4	1.713	59	63	68	rVV	135576	247412	2.24%	0.865%
5	2.158	103	107	111	rBV	141964	204420	1.85%	0.715%
6	2.391	127	130	134	rBV	99647	149619	1.35%	0.523%
7	5.824	463	469	475	rBV	79850	214491	1.94%	0.750%
8	5.925	475	479	488	rVB	152714	396227	3.58%	1.385%
9	6.948	575	580	587	rBV	225093	457530	4.13%	1.600%
10	8.912	765	774	778	rBV	329014	680781	6.15%	2.380%
11	10.502	927	931	935	rBV	310386	454062	4.10%	1.588%
12	11.545	1031	1034	1038	rBV	246576	308187	2.78%	1.078%
13	12.436	1120	1122	1126	rBV2	326677	641419	5.80%	2.243%
14	12.487	1126	1127	1130	rVV	185915	190574	1.72%	0.666%
15	12.558	1131	1134	1138	rVB	150111	214724	1.94%	0.751%
16	12.720	1146	1150	1153	rBV5	45156	146019	1.32%	0.511%
17	12.781	1153	1156	1160	rVV	1914117	2592685	23.43%	9.065%
18	12.841	1160	1162	1164	rVV2	95962	192152	1.74%	0.672%
19	12.922	1167	1170	1173	rVV	343701	657836	5.94%	2.300%
20	12.973	1173	1175	1177	rVV	160616	289323	2.61%	1.012%
21	13.003	1177	1178	1181	rVV	176796	268365	2.42%	0.938%
22	13.054	1181	1183	1186	rVV2	115487	160826	1.45%	0.562%
23	13.125	1186	1190	1192	rVB	137896	250181	2.26%	0.875%
24	13.206	1192	1198	1199	rBV2	601606	1211655	10.95%	4.236%
25	13.236	1199	1201	1202	rVV	421371	580604	5.25%	2.030%
26	13.257	1202	1203	1206	rVV	638456	819769	7.41%	2.866%
27	13.317	1207	1209	1211	rVV	538221	651322	5.88%	2.277%
28	13.358	1211	1213	1215	rVV2	116740	193904	1.75%	0.678%

29	13.510	1225	1228	1231	rBV	3080736	3018138	27.27%	10.552%
30	13.560	1231	1233	1235	rVV	154004	246693	2.23%	0.863%
31	13.611	1235	1238	1242	rVV	546382	804911	7.27%	2.814%
32	13.672	1242	1244	1248	rVB2	225930	332865	3.01%	1.164%
33	13.874	1260	1264	1266	rVV3	63415	165292	1.49%	0.578%
34	13.935	1269	1270	1274	rVB3	107704	114511	1.03%	0.400%
35	13.996	1274	1276	1282	rVB3	89523	178186	1.61%	0.623%
36	14.158	1289	1292	1296	rBV2	87411	111752	1.01%	0.391%

Sum of corrected areas: 28601773

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\1\DATA\7070904\V7029933.D
Operator : NH
Acquired : 9 Jul 2004 4:23 pm using AcqMethod 8260J
Instrument : GCMS 7
Sample Name: 0407302-002A 5.00g
Misc Info : SAMP 8260_TCL4.2_S
Vial Number: 16
Quant File :VS032804.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	1396.67 ug/kg	11068000	Pentafluorobenzene	5.93

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 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.44	31.21 ug/kg	247324	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	10
2	Propane	44	C3H8	000074-98-6	4
3	Propane	44	C3H8	000074-98-6	4
4	Propane	44	C3H8	000074-98-6	4
5	H2NCH2(CH2)2CH2OH	89	C4H11NO	013325-10-5	2

****

Peak Number 3 Isobutane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.59	17.67 ug/kg	140062	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	59
2	Isobutane	58	C4H10	000075-28-5	53
3	Isobutane	58	C4H10	000075-28-5	40
4	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	4
5	Ethanol	46	C2H6O	000064-17-5	3

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

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Peak Number 4 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.71	31.22 ug/kg	247412	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Butane	58	C4H10	000106-97-8	64
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	17
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	9
5	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	9

****

Peak Number 5 Butane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	25.80 ug/kg	204420	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	12

****

Peak Number 6 Pentane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	18.88 ug/kg	149619	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Butane, 2-methyl-	72	C5H12	000078-78-4	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 7 Dodecane, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	16.74 ug/kg	214724	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	50
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	50
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	47

****

Peak Number 8 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	202.11 ug/kg	2592690	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Tridecane	184	C13H28	000629-50-5	90
3	Undecane	156	C11H24	001120-21-4	87
4	Undecane	156	C11H24	001120-21-4	87
5	Dodecane	170	C12H26	000112-40-3	86

****

Peak Number 9 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	51.28 ug/kg	657836	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	62
2	Dodecane	170	C12H26	000112-40-3	58
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	58
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	58
5	Hexacosane	366	C26H54	000630-01-3	53

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 10 Hexadecane, 7,9-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	22.55 ug/kg	289323	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
5	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	53

****

Peak Number 11 Undecane, 3,8-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	20.92 ug/kg	268365	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	72
2	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	59
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	49
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	47

****

Peak Number 12 Octadecane, 1-chloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	19.50 ug/kg	250181	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	59
2	Decane	142	C10H22	000124-18-5	50
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	50
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5	Undecane	156	C11H24	001120-21-4	50

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 13 2,6-Dimethyldecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	94.45 ug/kg	1211660	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldecane	170	C12H26	013150-81-7	64
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	46
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	45
5	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	43

****

Peak Number 14 Heptane, 3,3,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	45.26 ug/kg	580604	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	50
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	50
3	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	005421-13-6	47
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	42
5	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	42

****

Peak Number 15 Octane, 3-ethyl-2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	63.90 ug/kg	819769	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
2	Heneicosane	296	C21H44	000629-94-7	64
3	Pentadecane	212	C15H32	000629-62-9	59
4	Decane, 2-methyl-	156	C11H24	006975-98-0	59
5	Eicosane	282	C20H42	000112-95-8	59

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 16 Pentane, 2,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	50.77 ug/kg	651322	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	47
3	Decane	142	C10H22	000124-18-5	38
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	38
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	35

****

Peak Number 17 Dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	235.27 ug/kg	3018140	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Heptadecane	240	C17H36	000629-78-7	86
5	Dodecane	170	C12H26	000112-40-3	83

****

Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	19.23 ug/kg	246693	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	46
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	46
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	46
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	41

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7070904\V7029933.D Vial: 16
Acq On : 9 Jul 2004 4:23 pm Operator: NH
Sample : 0407302-002A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 19 Dodecane, 6-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	62.74 ug/kg	804911	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	93
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	81
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	72

****

Peak Number 20 Benzene, 1,4-dimethyl-2-(2-methyl) Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	25.95 ug/kg	332865	1,4-Dichlorobenzene-d4	12.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
2	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	38
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	25
4	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	25
5	1-Heptadecene	238	C17H34	006765-39-5	15

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 9 Jul 2004 4:23 pm
Data File: D:\MSDCHEM\1\DATA\7070904\V7029933.D
Name: 0407302-002A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	1396.7	ug/kg	11068000	1	5.93	396227	50.0
Propene	1.44	31.2	ug/kg	247324	1	5.93	396227	50.0
Isobutane	1.59	17.7	ug/kg	140062	1	5.93	396227	50.0
Butane	1.71	31.2	ug/kg	247412	1	5.93	396227	50.0
Butane, 2-methyl-	2.16	25.8	ug/kg	204420	1	5.93	396227	50.0
Pentane	2.39	18.9	ug/kg	149619	1	5.93	396227	50.0
Dodecane, 3-methyl-	12.56	16.7	ug/kg	214724	4	12.45	641419	50.0
Undecane	12.78	202.1	ug/kg	2592690	4	12.45	641419	50.0
Dodecane	12.92	51.3	ug/kg	657836	4	12.45	641419	50.0
Hexadecane, 7,9-dimethyl	12.97	22.6	ug/kg	289323	4	12.45	641419	50.0
Undecane, 3,8-dimethyl	13.00	20.9	ug/kg	268365	4	12.45	641419	50.0
Octadecane, 1-chloro	13.12	19.5	ug/kg	250181	4	12.45	641419	50.0
2,6-Dimethyldecane	13.21	94.5	ug/kg	1211660	4	12.45	641419	50.0
Heptane, 3,3,4-trimethyl	13.24	45.3	ug/kg	580604	4	12.45	641419	50.0
Octane, 3-ethyl-2,7-Dimethyl	13.26	63.9	ug/kg	819769	4	12.45	641419	50.0
Pentane, 2,2-dimethyl	13.32	50.8	ug/kg	651322	4	12.45	641419	50.0
Dodecane	13.51	235.3	ug/kg	3018140	4	12.45	641419	50.0
Benzene, 1,2,4,5-tetramethyl	13.56	19.2	ug/kg	246693	4	12.45	641419	50.0
Dodecane, 6-methyl-	13.61	62.7	ug/kg	804911	4	12.45	641419	50.0
Benzene, 1,4-dimethyl-2(2-methyl)	13.67	25.9	ug/kg	332865	4	12.45	641419	50.0

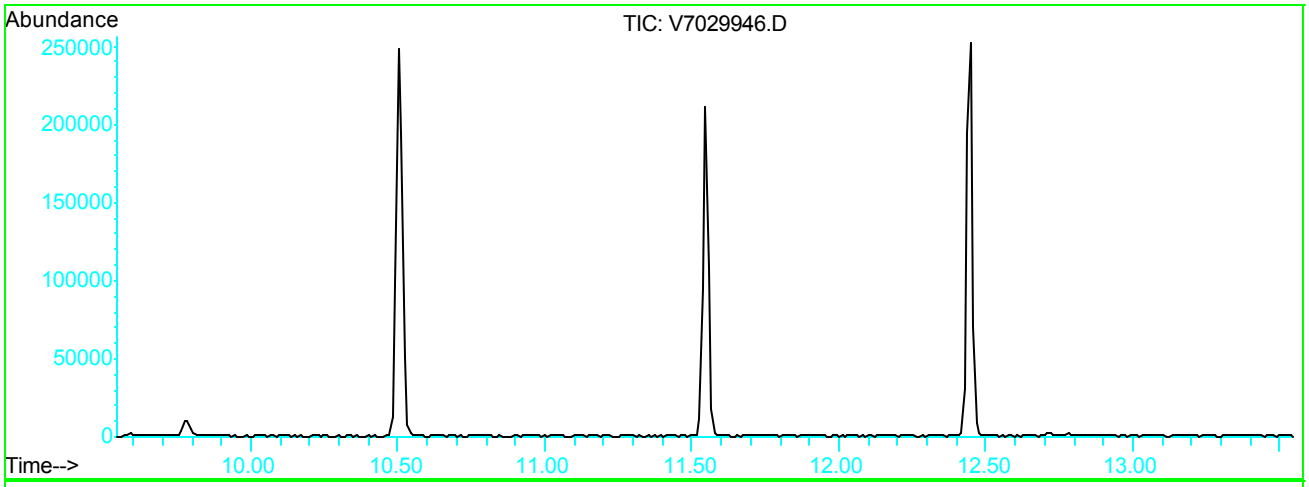
Injection Log

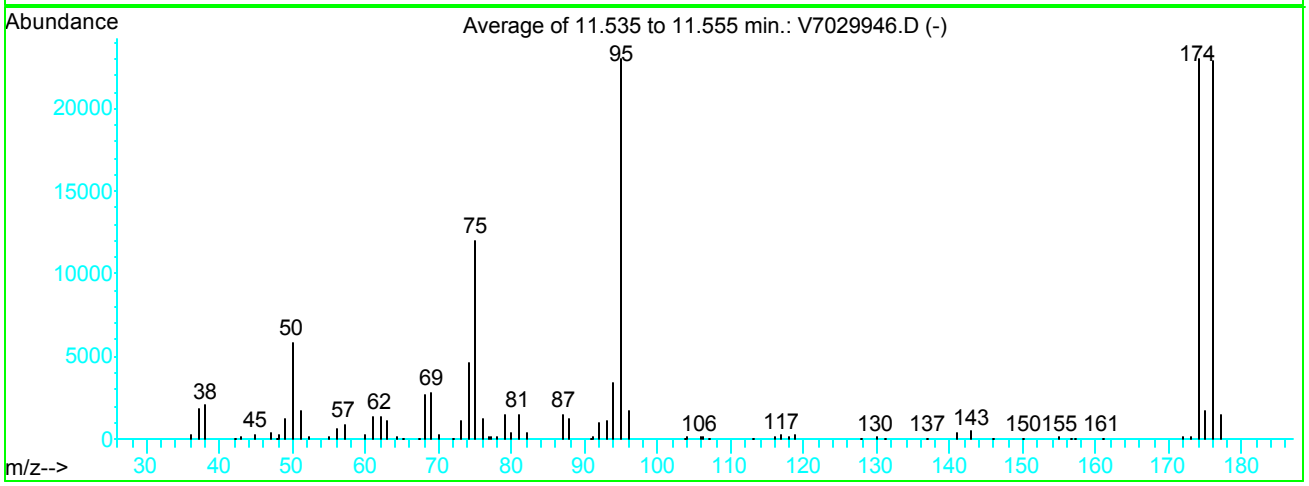
Directory: D:\MSDCHEM\1\DATA\7071204

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	V7029942.D	1.	BFB	TUNE BFB_4	12 Jul 2004 08:31
2	2	V7029943.D	1.	BFB	TUNE BFB_4	12 Jul 2004 09:00
3	3	V7029944.D	1.	8260 CCV 050 S	CCV 8260B_S	12 Jul 2004 09:28
4	4	V7029945.D	1.	MB----------	MBLK 8260B_S	12 Jul 2004 09:57
5	5	V7029946.D	1.	BFB	TUNE BFB_4	12 Jul 2004 10:25
6	6	V7029947.D	1.	8260 CCV 050 S	CCV 8260_TCL4.2_S	12 Jul 2004 10:53
7	7	V7029948.D	1.	MB----------	MBLK 8260B_S	12 Jul 2004 11:22
8	8	V7029949.D	1.	MB-47532	MBLK 8260_TCL4.2_S	12 Jul 2004 11:50
9	9	V7029950.D	1.	0407302-001A 5.00g	SAMP 8260_TCL4.2_S	12 Jul 2004 12:18
10	10	V7029951.D	1.	0407302-006A 5.00g	SAMP 8260_TCL4.2_S	12 Jul 2004 12:47
11	11	V7029952.D	1.	0407303-001A 7.37g	SAMP 8260_TCL4.2_S	12 Jul 2004 13:15
12	12	V7029953.D	1.	0407303-003A 6.79g	SAMP 8260_TCL4.2_S	12 Jul 2004 13:44
13	13	V7029954.D	1.	0407303-005A 6.04g	SAMP 8260_TCL4.2_S	12 Jul 2004 14:12
14	14	V7029955.D	1.	0407035-002A 8.18g	SAMP 8260_TCL4.2_S	12 Jul 2004 14:41
15	15	V7029956.D	1.	0407302-001AMS 5.00g	MS 8260_TCL4.2_S	12 Jul 2004 15:09
16	16	V7029957.D	1.	0407302-001AMSD 8.18g	MSD 8260_TCL4.2_S	12 Jul 2004 15:38

BFB

Data File : D:\MSDCHEM\1\DATA\7071204\V7029946.D Vial: 5
Acq On : 12 Jul 2004 10:25 am Operator: NH
Sample : BFB Inst : GCMS 7
Misc : TUNE BFB_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration





Spectrum Information: Average of 11.535 to 11.555 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	5854	PASS
75	95	30	60	52.2	12034	PASS
95	95	100	100	100.0	23051	PASS
96	95	5	9	7.4	1713	PASS
173	174	0.00	2	0.5	112	PASS
174	95	50	100	99.9	23029	PASS
175	174	5	9	7.4	1713	PASS
176	174	95	101	99.4	22900	PASS
177	176	5	9	6.5	1482	PASS

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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	102	-0.02
2	T	Dichlorodifluoromethane	0.717	0.551	23.2	72	0.00
3	pcc	Chloromethane	1.216	0.556	54.3#	46#	0.00
4	ccc	Vinyl chloride	1.020	0.962	5.7	87	-0.01
5	T	Bromomethane	0.567	0.531	6.3	0#	0.00
6	T	Chloroethane	0.599	0.636	-6.2	95	-0.01
7	T	Trichlorofluoromethane	1.632	1.490	8.7	84	0.00
8	T	Acrolein	0.148	0.080	45.9#	58	-0.01
9	Mpcc	1,1-Dichloroethene	0.508	0.515	-1.4	104	0.00
10	T	Acetone	0.162	0.160	1.2	103	-0.01
11	T	Freon-113	0.499	0.561	-12.4	112	-0.01
12	T	Iodomethane	0.384	0.532	-38.5#	143	-0.01
13	T	Carbon disulfide	1.569	1.469	6.4	92	-0.01
14	T	Vinyl acetate	0.370	0.509	-37.6#	155	-0.01
15	T	Methyl Acetate	0.740	1.017	-37.4#	155	-0.01
16	T	Methylene chloride	0.678	0.874	-28.9	135	-0.01
17	T	Acrylonitrile	0.226	0.234	-3.5	102	-0.02
18	T	Methyl tert-butyl ether	0.718	0.021	97.1#	3#	-0.01
19	T	trans-1,2-Dichloroethene	0.534	0.464	13.1	91	-0.01
20	pcc	1,1-Dichloroethane	0.951	0.840	11.7	94	-0.01
21	T	2,2-Dichloropropane	0.706	0.583	17.4	90	-0.02
22	T	cis-1,2-Dichloroethene	0.628	0.540	14.0	90	-0.02
23	T	2-Butanone	0.109	0.094	13.8	89	-0.03
24	T	Bromochloromethane	0.298	0.271	9.1	90	-0.02
25	ccc	Chloroform	0.949	0.841	11.4	95	-0.02
26	T	1,1,1-Trichloroethane	0.744	0.629	15.5	95	-0.02
27	T	Cyclohexane	0.977	0.803	17.8	93	-0.01
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	-0.01
29	S	Dibromofluoromethane	0.349	0.356	-2.0	133	-0.02
30	T	1,1-Dichloropropene	0.148	0.120	18.9	86	-0.02
31	T	Carbon tetrachloride	0.360	0.327	9.2	99	-0.01
32	M	Benzene	1.422	1.167	17.9	90	-0.02
33	T	1,2-Dichloroethane	0.437	0.457	-4.6	108	-0.02
34	M	Trichloroethene	0.330	0.289	12.4	93	-0.01
35	T	Methylcyclohexane	0.426	0.376	11.7	89	-0.02
36	ccc	1,2-Dichloropropane	0.367	0.332	9.5	96	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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)
37	T	Dibromomethane	0.206	0.211	-2.4	106	-0.02
38	T	Bromodichloromethane	0.415	0.386	7.0	96	-0.01
39	T	2-Chloroethyl vinyl ether	0.183	0.166	9.3	96	-0.02
40	T	cis-1,3-Dichloropropene	0.480	0.465	3.1	99	0.03
41	T	4-Methyl-2-pentanone	0.287	0.264	8.0	0#	-0.02
42	S	Toluene-d8	1.313	1.232	6.2	115	-0.02
43	M	Toluene	0.820	0.656	20.0	86	-0.01
44	T	trans-1,3-Dichloropropene	0.480	0.432	10.0	92	-0.02
45	T	1,1,2-Trichloroethane	0.264	0.240	9.1	94	-0.02
46	I	Chlorobenzene-d5	1.000	1.000	0.0	98	-0.01
47	T	2-Hexanone	0.316	0.209	33.9#	91	-0.02
48	T	Tetrachloroethene	0.354	0.331	6.5	90	-0.01
49	T	1,3-Dichloropropane	0.609	0.609	0.0	94	-0.01
50	T	Dibromochloromethane	0.361	0.414	-14.7	105	-0.02
51	T	1,2-Dibromoethane	0.359	0.353	1.7	90	-0.01
52	M	Chlorobenzene	1.062	0.905	14.8	83	-0.01
53	T	1,1,1,2-Tetrachloroethane	0.364	0.349	4.1	89	-0.01
54	ccc	Ethylbenzene	1.696	1.363	19.6	78	-0.01
55	T	m,p-Xylene	1.316	1.056	19.8	78	-0.01
56	T	o-Xylene	1.371	1.059	22.8	76	-0.01
57	T	Styrene	1.106	0.912	17.5	77	-0.01
58	pcc	Bromoform	0.222	0.265	-19.4	106	-0.01
59	S	4-Bromofluorobenzene	0.516	0.417	19.2	91	-0.01
60	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	-0.01
61	T	Bromobenzene	0.863	0.721	16.5	87	-0.01
62	pcc	1,1,2,2-Tetrachloroethane	0.945	0.816	13.7	86	-0.01
63	T	1,2,3-Trichloropropane	1.404	1.216	13.4	87	-0.02
64	T	Isopropylbenzene	3.259	2.355	27.7	77	-0.01
65	T	n-Propylbenzene	3.856	2.971	23.0	81	-0.01
66	T	trans-1,4-Dichloro-2-butene	0.063	0.051	19.0	81	-0.01
67	T	2-Chlorotoluene	2.290	1.626	29.0	76	-0.01
68	T	4-Chlorotoluene	2.638	1.952	26.0	76	-0.01
69	T	1,3,5-Trimethylbenzene	2.667	2.085	21.8	82	-0.01
70	T	tert-Butylbenzene	2.809	2.041	27.3	77	0.00
71	T	1,2,4-Trimethylbenzene	2.762	2.106	23.8	81	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 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)
72	T	sec-Butylbenzene	3.638	2.872	21.1	82	-0.01
73	T	1,3-Dichlorobenzene	1.581	1.361	13.9	89	-0.01
74	T	4-Isopropyltoluene	3.067	2.446	20.2	82	-0.01
75	T	1,4-Dichlorobenzene	1.643	1.476	10.2	92	-0.01
76	T	1,2-Dichlorobenzene	1.553	1.371	11.7	92	-0.01
77	T	n-Butylbenzene	2.712	2.296	15.3	86	-0.01
78	T	1,2-Dibromo-3-chloropropane	0.146	0.104	28.8	82	-0.01
79	T	1,2,4-Trichlorobenzene	0.929	0.852	8.3	96	-0.01
80	T	Hexachlorobutadiene	0.486	0.449	7.6	96	-0.01
81	T	Naphthalene	2.425	1.765	27.2	101	-0.01
82	T	1,2,3-Trichlorobenzene	0.929	0.812	12.6	92	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 11:13:17 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	102634	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	168553	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	133738	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	73305	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	59934	50.88 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 101.76%		
42) Toluene-d8	8.90	98	207631	46.92 ug/kg	-0.02
Spiked Amount 50.000	Range 68 - 145		Recovery = 93.84%		
59) 4-Bromofluorobenzene	11.55	95	55776	40.40 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 80.80%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.47	85	56577	38.44 ug/kg	98
3) Chloromethane	1.63	50	57091	22.87 ug/kg	99
4) Vinyl chloride	1.71	62	98765	47.18 ug/kg	99
5) Bromomethane	1.99	94	54483	56.33 ug/kg	95
6) Chloroethane	2.08	64	65247	53.04 ug/kg	98
7) Trichlorofluoromethane	2.32	101	152908	45.66 ug/kg	98
8) Acrolein	2.67	56	16519	54.23 ug/kg	98
9) 1,1-Dichloroethene	2.81	96	52862	50.73 ug/kg	92
10) Acetone	2.83	58	32783	98.28 ug/kg	88
11) Freon-113	2.81	101	57545	60.23 µg/kg	98
12) Iodomethane	2.96	142	109136	115.67 ug/kg	96
13) Carbon disulfide	3.04	76	301641	100.52 ug/kg	100
14) Vinyl acetate	3.19	43	104417	137.48 ug/kg#	99
15) Methyl Acetate	3.19	43	104417	68.74 µg/kg#	1
16) Methylene chloride	3.31	84	89711	70.34 ug/kg	98
17) Acrylonitrile	3.58	53	47950	103.48 ug/kg	96
18) Methyl tert-butyl ether	3.67	73	2168m	7.20 µg/kg	
19) trans-1,2-Dichloroethene	3.66	96	47572	45.98 ug/kg	95
20) 1,1-Dichloroethane	4.22	63	86206	44.14 ug/kg	97
21) 2,2-Dichloropropane	5.12	77	59788	41.27 ug/kg	97
22) cis-1,2-Dichloroethene	5.12	96	55405	43.01 ug/kg	97
23) 2-Butanone	5.13	72	19310	86.23 ug/kg	82
24) Bromochloromethane	5.46	128	27771	45.46 ug/kg	92
25) Chloroform	5.59	83	86273	44.28 ug/kg	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 11:13:17 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	5.86	97	64564	42.30 ug/kg	94
27)	Cyclohexane	5.97	56	82462	47.73 µg/kg	99
30)	1,1-Dichloropropene	6.11	110	20180	43.51 ug/kg	88
31)	Carbon tetrachloride	6.12	119	55050	45.34 ug/kg	99
32)	Benzene	6.39	78	196719	44.35 ug/kg	100
33)	1,2-Dichloroethane	6.40	62	77003	52.27 ug/kg	98
34)	Trichloroethene	7.30	130	48698	43.73 ug/kg	98
35)	Methylcyclohexane	7.57	55	63352	44.11 µg/kg	97
36)	1,2-Dichloropropane	7.58	63	55952	45.28 ug/kg#	100
37)	Dibromomethane	7.73	93	35576	51.11 ug/kg	94
38)	Bromodichloromethane	7.96	83	65081	46.49 ug/kg	96
39)	2-Chloroethyl vinyl ether	7.58	63	55952	90.56 µg/kg#	35
40)	cis-1,3-Dichloropropene	8.56	75	78450	48.44 ug/kg	97
41)	4-Methyl-2-pentanone	8.76	43	89024	99.88 ug/kg	90
43)	Toluene	8.99	92	110632m	40.01 ug/kg	
44)	trans-1,3-Dichloropropene	9.27	75	72746	44.92 ug/kg	97
45)	1,1,2-Trichloroethane	9.48	83	40463	45.52 ug/kg	98
47)	2-Hexanone	9.77	43	55982	72.76 ug/kg	87
48)	Tetrachloroethene	9.66	166	44235	51.68 ug/kg	97
49)	1,3-Dichloropropane	9.67	76	81463	50.03 ug/kg	99
50)	Dibromochloromethane	9.91	129	55377	57.42 ug/kg	98
51)	1,2-Dibromoethane	10.03	107	47204	49.09 ug/kg#	99
52)	Chlorobenzene	10.53	112	121086	42.61 ug/kg	99
53)	1,1,1,2-Tetrachloroethane	10.61	131	46672	47.93 ug/kg	99
54)	Ethylbenzene	10.64	91	182313	40.18 ug/kg	97
55)	m,p-Xylene	10.76	91	282458	80.23 ug/kg	99
56)	o-Xylene	11.11	91	141614	38.62 ug/kg	99
57)	Styrene	11.12	104	121915	41.21 ug/kg	99
58)	Bromoform	11.27	173	35443	59.76 ug/kg#	96
61)	Bromobenzene	11.67	156	52868	41.76 ug/kg#	78
62)	1,1,2,2-Tetrachloroethane	11.66	83	59852	43.19 ug/kg	99
63)	1,2,3-Trichloropropane	11.69	75	89175	43.32 ug/kg#	1
64)	Isopropylbenzene	11.42	105	172613	38.82 ug/kg	99
65)	n-Propylbenzene	11.76	91	217776	41.59 ug/kg	97
66)	trans-1,4-Dichloro-2-buten	11.70	124	7486	80.65 ug/kg	78
67)	2-Chlorotoluene	11.83	91	119187	35.49 ug/kg	95
68)	4-Chlorotoluene	11.91	91	143057	36.99 ug/kg	95

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 11:13:17 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

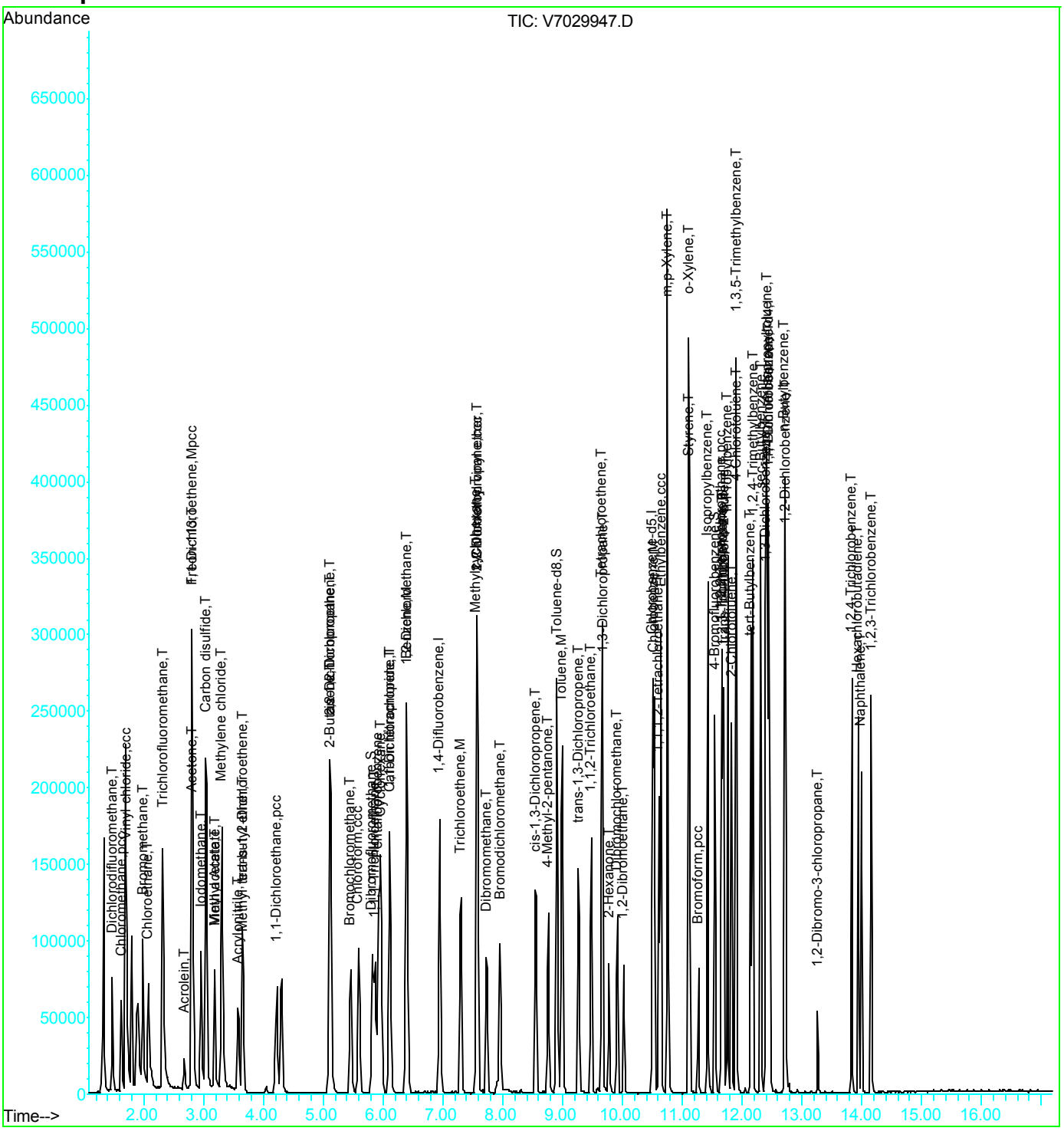
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	11.90	105	152833	39.09 ug/kg	98
70)	tert-Butylbenzene	12.15	119	149634	36.33 ug/kg	95
71)	1,2,4-Trimethylbenzene	12.18	105	154412	38.13 ug/kg	87
72)	sec-Butylbenzene	12.31	105	210561	39.47 ug/kg	99
73)	1,3-Dichlorobenzene	12.40	146	99780	43.06 ug/kg	98
74)	4-Isopropyltoluene	12.42	119	179284	39.88 ug/kg	99
75)	1,4-Dichlorobenzene	12.46	146	108206	44.91 ug/kg	98
76)	1,2-Dichlorobenzene	12.73	146	100509	44.15 ug/kg	97
77)	n-Butylbenzene	12.71	91	168303	42.34 ug/kg	95
78)	1,2-Dibromo-3-chloropropan	13.27	75	7659	35.75 ug/kg	92
79)	1,2,4-Trichlorobenzene	13.83	180	62460	45.86 ug/kg	97
80)	Hexachlorobutadiene	13.95	225	32894	46.13 ug/kg	97
81)	Naphthalene	14.00	128	129412	36.39 ug/kg	100
82)	1,2,3-Trichlorobenzene	14.16	180	59520	43.70 ug/kg	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029947.D Vial: 6
Acq On : 12 Jul 2004 10:53 am Operator: NH
Sample : 8260 CCV 050 S Inst : GCMS 7
Misc : CCV 8260_TC Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 11:14 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029949.D Vial: 8
Acq On : 12 Jul 2004 11:50 am Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:08:02 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	92774	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	159747	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	123616	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	55964	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	56846	50.92 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 101.84%		
42) Toluene-d8	8.91	98	187895	44.80 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 89.60%		
59) 4-Bromofluorobenzene	11.55	95	47633	37.33 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 74.66%		

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) Acetone	0.00	58	0	N.D.
11) Freon-113	0.00	101	0	N.D.
12) Iodomethane	0.00	142	0	N.D.
13) Carbon disulfide	0.00	76	0	N.D.
14) Vinyl acetate	0.00	43	0	N.D. d
15) Methyl 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.

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029949.D Vial: 8
Acq On : 12 Jul 2004 11:50 am Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:08:02 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	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.	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.	d
48)	Tetrachloroethene	0.00	166	0	N.D.	
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029949.D Vial: 8
Acq On : 12 Jul 2004 11:50 am Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:08:02 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

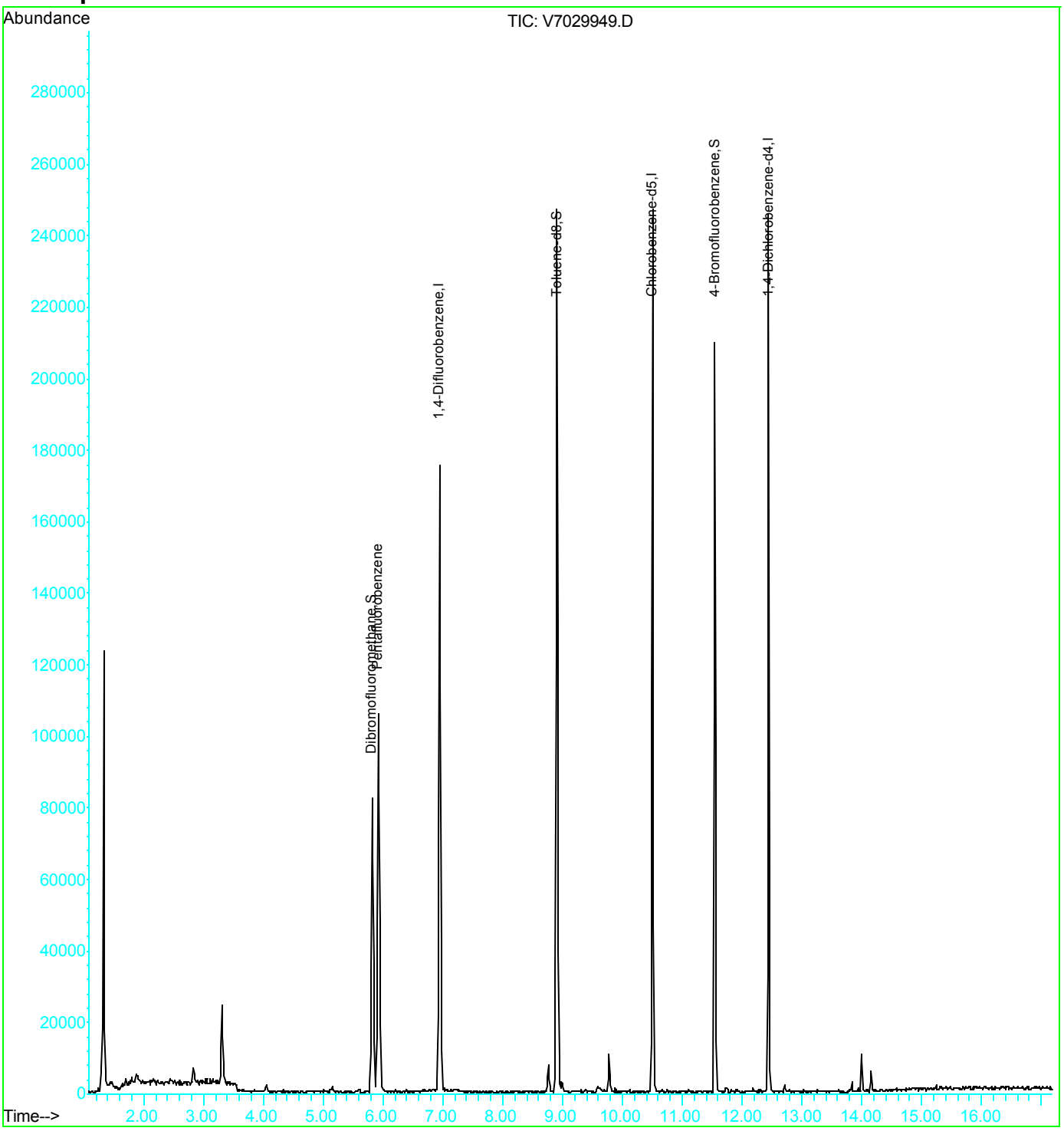
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029949.D Vial: 8
Acq On : 12 Jul 2004 11:50 am Operator: NH
Sample : MB-47532 Inst : GCMS 7
Misc : MBLK 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:08 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:42:54 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	91718	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	156684	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	113292	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	43007	50.00 ug/kg	-0.01

System Monitoring Compounds

29) Dibromofluoromethane	5.82	113	53933	49.25 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 98.50%		
42) Toluene-d8	8.90	98	185547	45.10 ug/kg	-0.02
Spiked Amount 50.000	Range 68 - 145		Recovery = 90.20%		
59) 4-Bromofluorobenzene	11.55	95	39572m	33.84 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 67.68%		

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) Acetone	2.83	58	20870	70.02 ug/kg	81
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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. d	
24) Bromochloromethane	0.00	128	0	N.D.	
25) Chloroform	0.00	83	0	N.D.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:42:54 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	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.	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.	d
48)	Tetrachloroethene	0.00	166	0	N.D.	
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 12:42:54 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

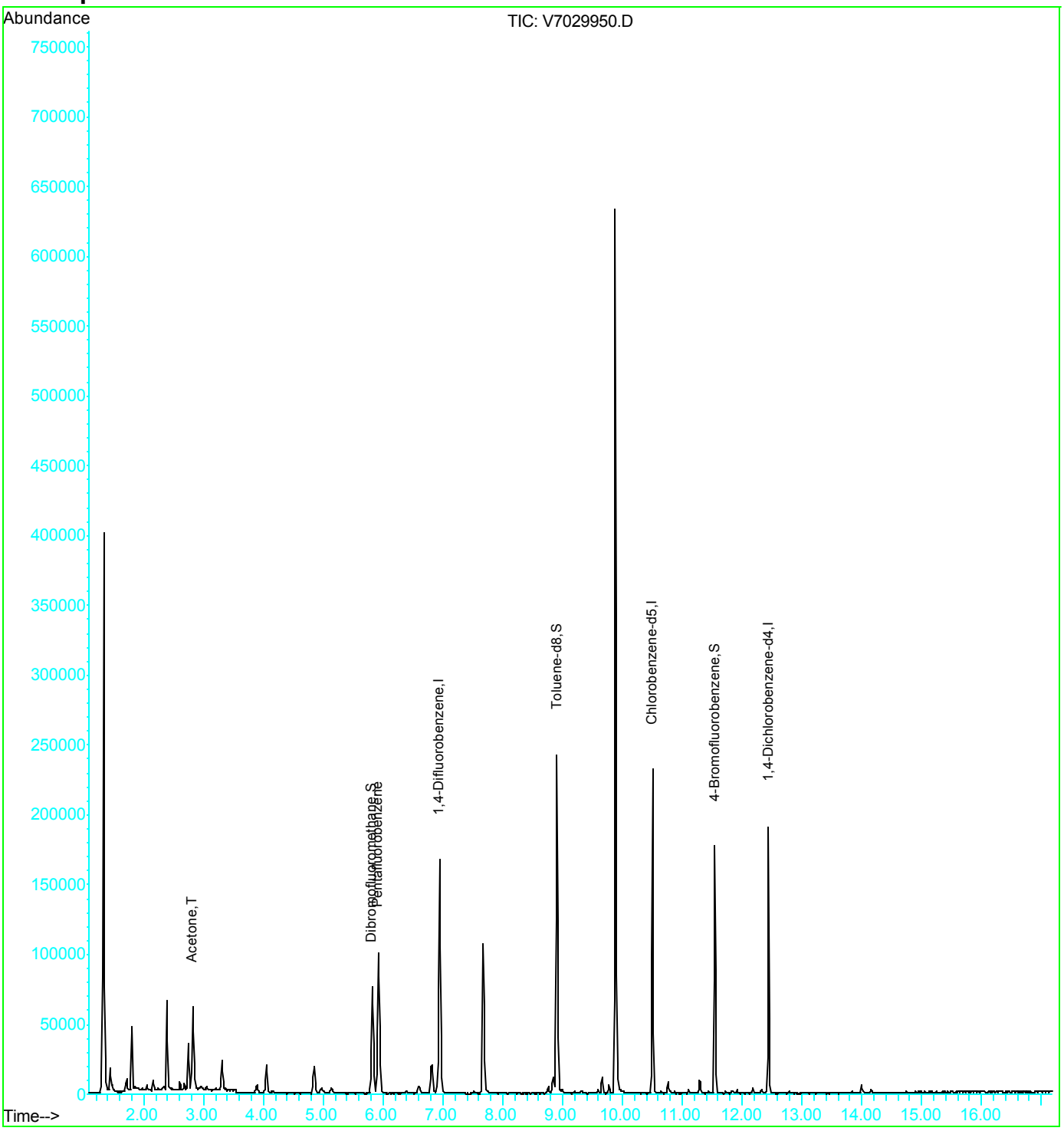
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:46 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 4000 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

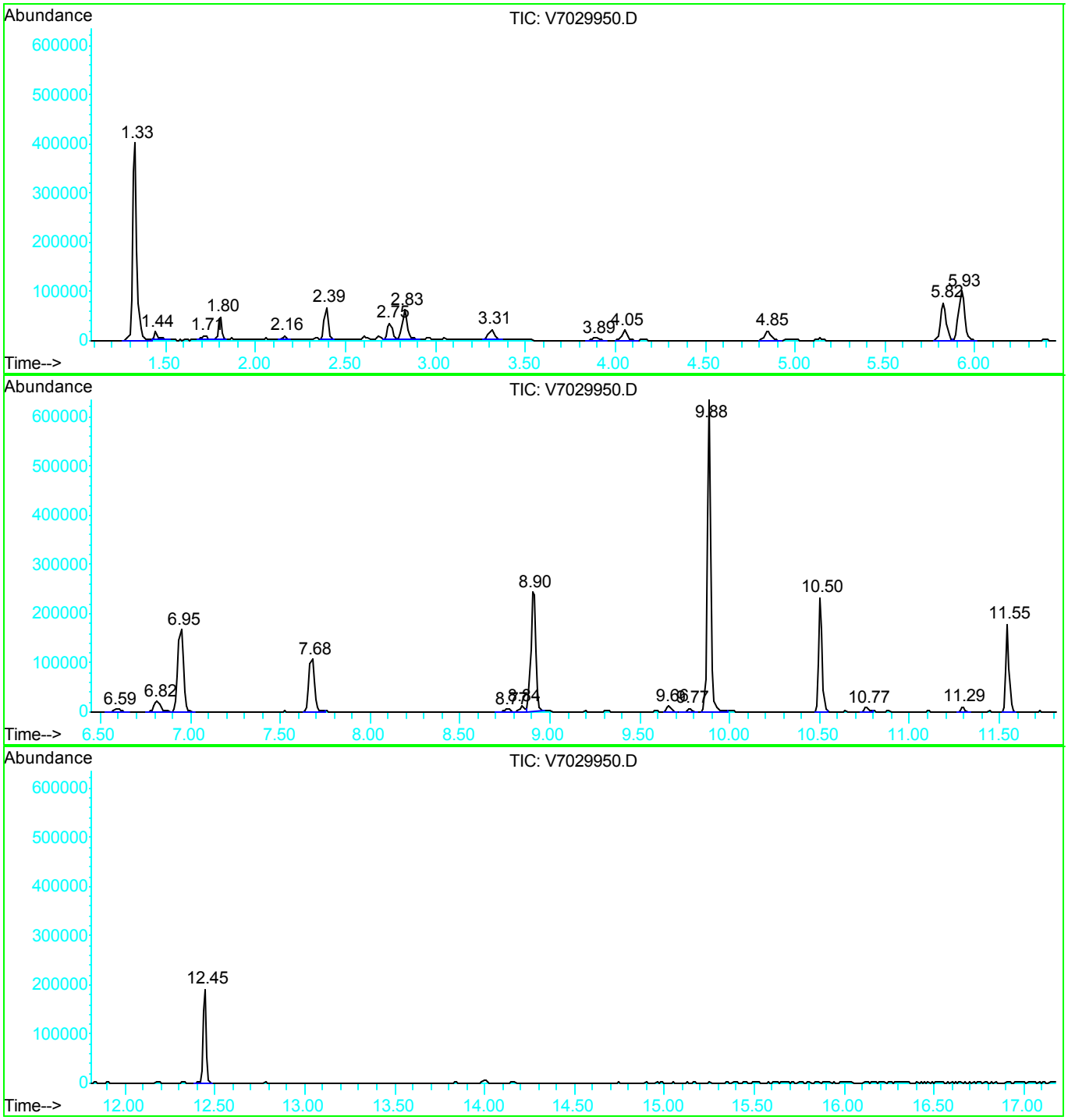
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.328	18	25	34	rBV	401384	700421	73.61%	15.003%
2	1.439	34	36	44	rVB2	16082	27491	2.89%	0.589%
3	1.713	59	63	68	rBV2	8127	17126	1.80%	0.367%
4	1.804	68	72	75	rBV	45763	68900	7.24%	1.476%
5	2.158	104	107	110	rBV2	6813	12029	1.26%	0.258%
6	2.391	127	130	134	rBV	62810	90823	9.54%	1.945%
7	2.746	161	165	169	rVV	32437	58504	6.15%	1.253%
8	2.827	169	173	181	rVB	58448	114001	11.98%	2.442%
9	3.313	216	221	226	rBV	20586	43786	4.60%	0.938%
10	3.890	273	278	284	rVB3	5645	15560	1.64%	0.333%
11	4.052	289	294	301	rVB	20650	48344	5.08%	1.036%
12	4.852	368	373	380	rBV	19571	50956	5.35%	1.091%
13	5.824	464	469	474	rBV	76127	182480	19.18%	3.909%
14	5.925	474	479	487	rVB	100409	244721	25.72%	5.242%
15	6.593	538	545	551	rBV5	5282	16166	1.70%	0.346%
16	6.816	561	567	574	rBV	20168	50469	5.30%	1.081%
17	6.948	574	580	587	rVV	166293	348289	36.60%	7.460%
18	7.677	647	652	659	rBV	106440	219703	23.09%	4.706%
19	8.771	753	760	763	rBV	5070	11104	1.17%	0.238%
20	8.842	763	767	770	rBV2	10919	24825	2.61%	0.532%
21	8.902	770	773	779	rVB	241269	488988	51.39%	10.474%
22	9.662	845	848	852	rVB2	11041	18909	1.99%	0.405%
23	9.773	854	859	863	rBV	6532	13097	1.38%	0.281%
24	9.885	866	870	880	rBV	633382	951560	100.00%	20.383%
25	10.502	928	931	935	rBV	231296	336907	35.41%	7.217%
26	10.765	953	957	960	rBV3	7683	15874	1.67%	0.340%
27	11.292	1006	1009	1013	rVB	9181	13692	1.44%	0.293%
28	11.545	1031	1034	1038	rBV	177022	225948	23.75%	4.840%

29	12.446	1117	1123	1126	rBV	190518	257796	27.09%	5.522%

Sum of corrected areas: 4668469

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\1\DATA\7071204\V7029950.D
Operator : NH
Acquired : 12 Jul 2004 12:18 pm using AcqMethod 8260J
Instrument : GCMS 7
Sample Name: 0407302-001A 5.00g
Misc Info : SAMP 8260_TCL4.2_S
Vial Number: 9
Quant File :VS032804.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	143.11 ug/kg	700421	Pentafluorobenzene	5.93

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 Acetaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.80	14.08 ug/kg	68900	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Acetaldehyde	44	C2H4O	000075-07-0	64
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Ethylene oxide	44	C2H4O	000075-21-8	9
5	Diazenedicarboxamide	116	C2H4N4O2	000123-77-3	9

****

Peak Number 3 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	18.56 ug/kg	90823	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	56

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 4 **Propylene oxide** Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	**11.95** ug/kg	58504	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene oxide	58	C3H6O	000075-56-9	56
2	Trimethylene oxide	58	C3H6O	000503-30-0	50
3	N,N-Dimethyl-2-cyclohexyloxyethy...	171	C10H21NO	000000-00-0	40
4	Propanal	58	C3H6O	000123-38-6	39
5	Propylene oxide	58	C3H6O	000075-56-9	9

****

Peak Number 5 **Hexane** Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.05	**9.88** ug/kg	48344	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	86
2	Hexane	86	C6H14	000110-54-3	78
3	Hexane	86	C6H14	000110-54-3	72
4	Hexane	86	C6H14	000110-54-3	72
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	36

****

Peak Number 6 **Butanal** Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	**10.41** ug/kg	50956	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	91
2	Butanal	72	C4H8O	000123-72-8	74
3	Butanal	72	C4H8O	000123-72-8	64
4	Butanal	72	C4H8O	000123-72-8	58
5	Butanal	72	C4H8O	000123-72-8	53

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029950.D Vial: 9
Acq On : 12 Jul 2004 12:18 pm Operator: NH
Sample : 0407302-001A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 7 Pentanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	31.54 ug/kg	219703	1,4-Difluorobenzene	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	90
2	Pentanal	86	C5H10O	000110-62-3	78
3	Pentanal	86	C5H10O	000110-62-3	78
4	Pentanal	86	C5H10O	000110-62-3	72
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	50

****

Peak Number 8 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	141.22 ug/kg	951560	Chlorobenzene-d5	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	80
2	Hexanal	100	C6H12O	000066-25-1	80
3	Hexanal	100	C6H12O	000066-25-1	80
4	Hexanal	100	C6H12O	000066-25-1	64
5	Hexanal	100	C6H12O	000066-25-1	64

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 12 Jul 2004 12:18 pm
Data File: D:\MSDCHEM\1\DATA\7071204\V7029950.D
Name: 0407302-001A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	143.1	ug/kg	700421	1	5.93	244721	50.0
Acetaldehyde	1.80	14.1	ug/kg	68900	1	5.93	244721	50.0
Pentane	2.39	18.6	ug/kg	90823	1	5.93	244721	50.0
Propylene oxide	2.75	11.9	ug/kg	58504	1	5.93	244721	50.0
Hexane	4.05	9.9	ug/kg	48344	1	5.93	244721	50.0
Butanal	4.85	10.4	ug/kg	50956	1	5.93	244721	50.0
Pentanal	7.68	31.5	ug/kg	219703	2	6.95	348289	50.0
Hexanal	9.88	141.2	ug/kg	951560	3	10.50	336907	50.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 14:16:39 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	90234	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	142452	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	88230	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	28314	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	51387	51.61 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 103.22%		
42) Toluene-d8	8.90	98	164258	43.92 ug/kg	-0.02
Spiked Amount 50.000	Range 68 - 145		Recovery = 87.84%		
59) 4-Bromofluorobenzene	11.55	95	26788	29.41 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 58.82%#		

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) Acetone	2.83	58	37615	128.27 ug/kg	91
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D. d	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 14:16:39 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	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.	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.	d
48)	Tetrachloroethene	0.00	166	0	N.D.	
49)	1,3-Dichloropropane	0.00	76	0	N.D.	
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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 14:16:39 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

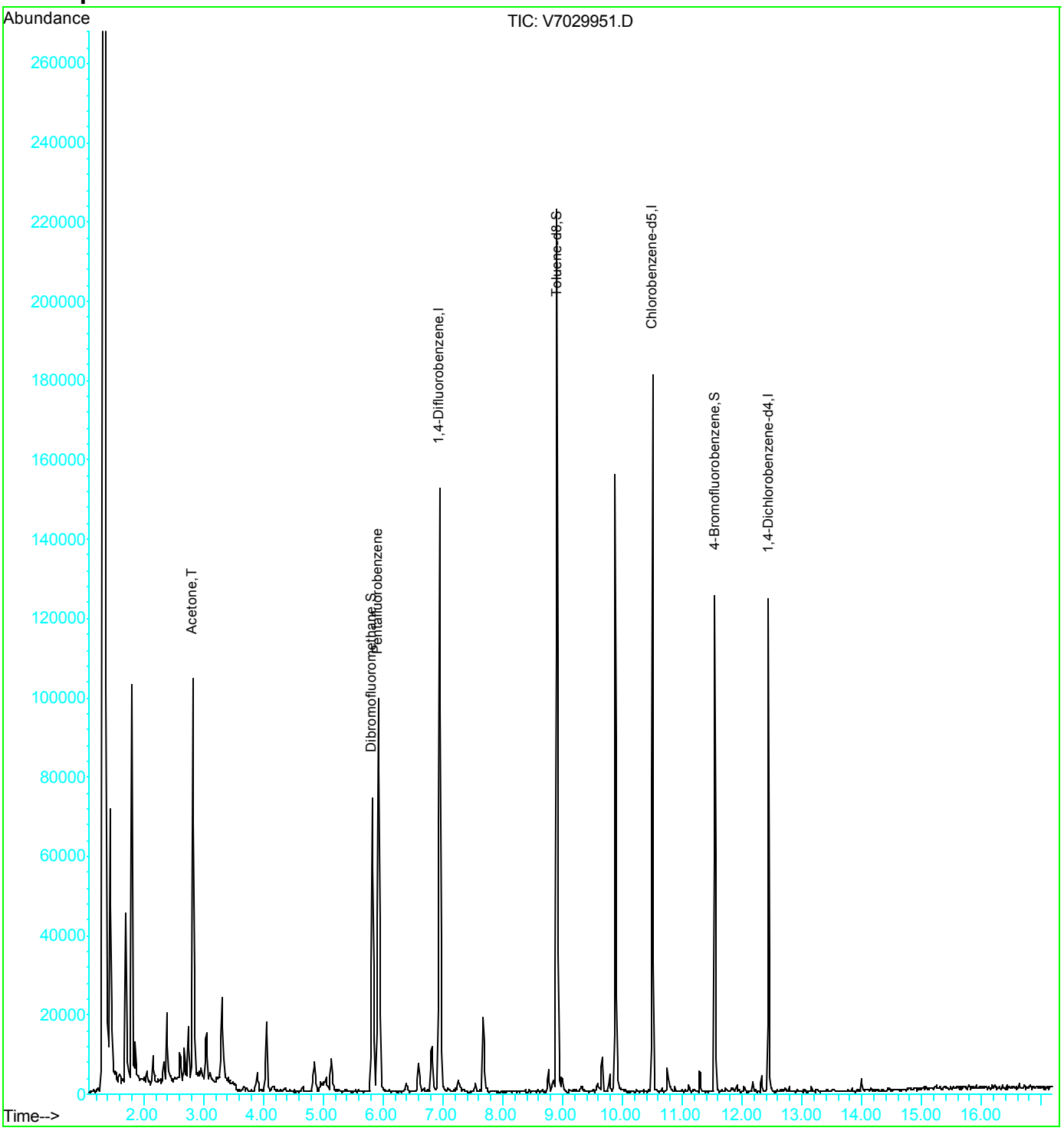
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 13 10:07 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 4000 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

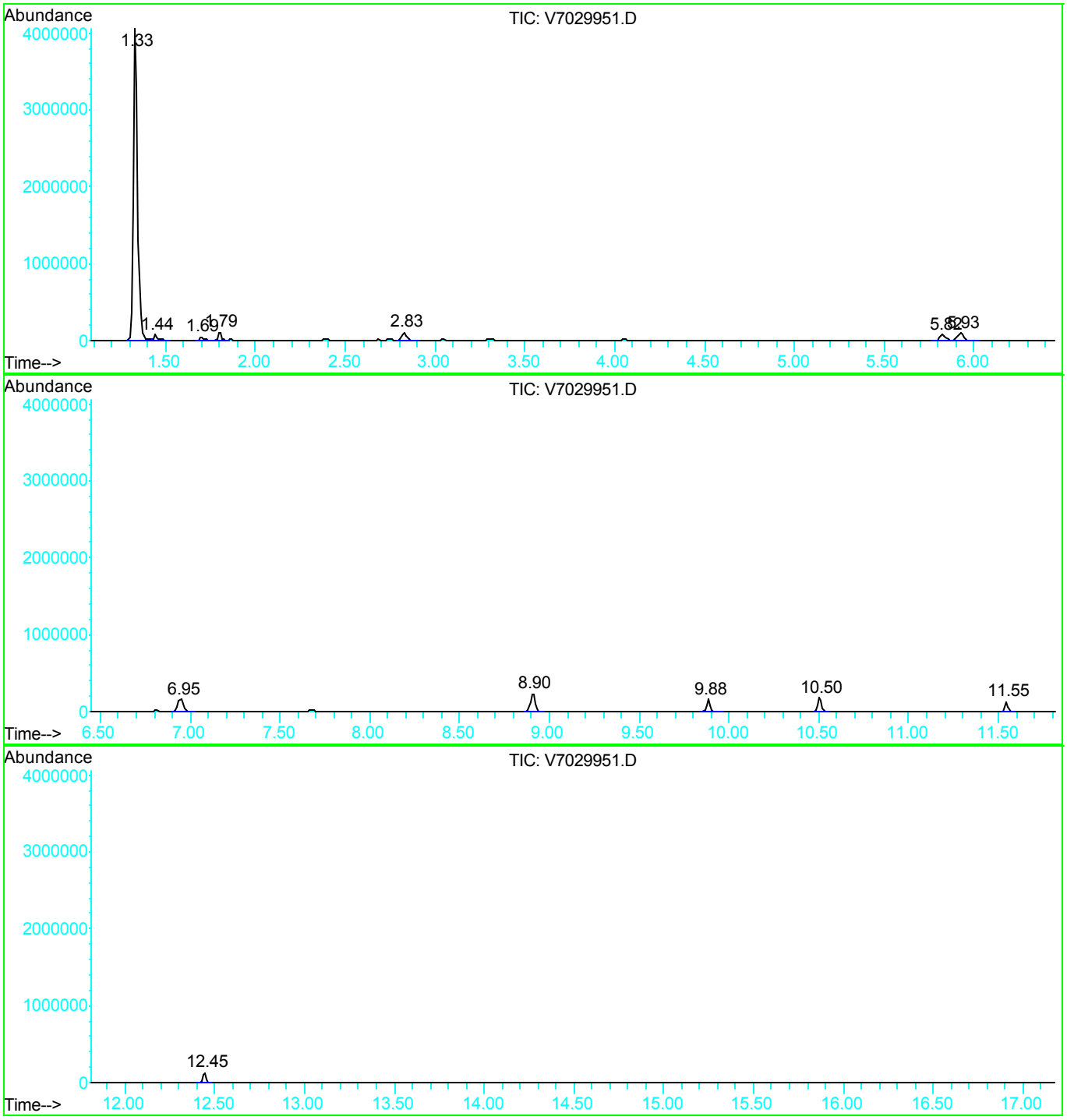
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.328	21	25	34	rBV	4047947	6876236	100.00%	73.075%
2	1.439	34	36	44	rVB2	66774	99072	1.44%	1.053%
3	1.692	58	61	68	rBV2	42423	82054	1.19%	0.872%
4	1.794	68	71	76	rBV	98964	158267	2.30%	1.682%
5	2.827	169	173	181	rBV	100753	189098	2.75%	2.010%
6	5.824	463	469	474	rBV	74100	170703	2.48%	1.814%
7	5.925	474	479	489	rVB	99064	244937	3.56%	2.603%
8	6.948	575	580	587	rVB	151722	318164	4.63%	3.381%
9	8.902	769	773	779	rBV	221529	442454	6.43%	4.702%
10	9.884	866	870	878	rBV	155498	235451	3.42%	2.502%
11	10.502	928	931	936	rBV	180605	266856	3.88%	2.836%
12	11.545	1031	1034	1038	rBV	125036	157093	2.28%	1.669%
13	12.446	1119	1123	1126	rBV	124093	169419	2.46%	1.800%

Sum of corrected areas: 9409804

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\1\DATA\7071204\V7029951.D
Operator : NH
Acquired : 12 Jul 2004 12:47 pm using AcqMethod 8260J
Instrument : GCMS 7
Sample Name: 0407302-006A 5.00g
Misc Info : SAMP 8260_TCL4.2_S
Vial Number: 10
Quant File :VS032804.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	1403.67 ug/kg	6876240	Pentafluorobenzene	5.93

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.
1.44	20.22 ug/kg	99072	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	45
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropane	42	C3H6	000075-19-4	7
5	Cyclopropane	42	C3H6	000075-19-4	1

****

Peak Number 3 1-Propene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	16.75 ug/kg	82054	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	87
2	1-Butene	56	C4H8	000106-98-9	86
3	1-Butene	56	C4H8	000106-98-9	86
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
5	1-Butene	56	C4H8	000106-98-9	80

Library Search Compound Report

Data File : D:\MSDCHEM\1\DATA\7071204\V7029951.D Vial: 10
Acq On : 12 Jul 2004 12:47 pm Operator: NH
Sample : 0407302-006A 5.00g Inst : GCMS 7
Misc : SAMP 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSTINT.P

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Library : D:\DATABASE\NBS75K.L

****

Peak Number 4 Acetaldehyde Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	32.31 ug/kg	158267	Pentafluorobenzene	5.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Acetaldehyde	44	C2H4O	000075-07-0	64
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5

****

Peak Number 5 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	44.12 ug/kg	235451	Chlorobenzene-d5	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	86
4	Hexanal	100	C6H12O	000066-25-1	86
5	Hexanal	100	C6H12O	000066-25-1	50

Tentatively Identified Compound (LSC) summary

Operator ID: NH Date Acquired: 12 Jul 2004 12:47 pm
Data File: D:\MSDCHEM\1\DATA\7071204\V7029951.D
Name: 0407302-006A 5.00g
Misc: SAMP 8260_TCL4.2_S
Method: D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title: 8260 Purgeable organics calibration
Library Searched: D:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Carbon dioxide	1.33	1403.7	ug/kg	6876240	1	5.93	244937	50.0
Propene	1.44	20.2	ug/kg	99072	1	5.93	244937	50.0
1-Propene, 2-methyl-	1.69	16.8	ug/kg	82054	1	5.93	244937	50.0
Acetaldehyde	1.79	32.3	ug/kg	158267	1	5.93	244937	50.0
Hexanal	9.88	44.1	ug/kg	235451	3	10.50	266856	50.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029956.D Vial: 15
Acq On : 12 Jul 2004 3:09 pm Operator: NH
Sample : 0407302-001AMS 5.00g Inst : GCMS 7
Misc : MS 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:40:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	88160	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	151226	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	119751	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	53965	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	53455	50.58 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 101.16%		
42) Toluene-d8	8.91	98	177948	44.82 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 89.64%		
59) 4-Bromofluorobenzene	11.55	95	43936	35.54 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 71.08%		

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	2.81	96	59930	66.96 ug/kg	94
10) Acetone	0.00	58	0	N.D.	
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D. d	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029956.D Vial: 15
Acq On : 12 Jul 2004 3:09 pm Operator: NH
Sample : 0407302-001AMS 5.00g Inst : GCMS 7
Misc : MS 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:40:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	0	N.D.	
30)	1,1-Dichloropropene	0.00	110	0	N.D.	
31)	Carbon tetrachloride	0.00	119	0	N.D.	
32)	Benzene	6.39	78	195029	49.06 ug/kg	100
33)	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	Trichloroethene	7.30	130	52130	52.17 ug/kg	99
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	8.99	92	110927	44.71 ug/kg	99
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.	
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.53	112	116956	45.96 ug/kg	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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029956.D Vial: 15
Acq On : 12 Jul 2004 3:09 pm Operator: NH
Sample : 0407302-001AMS 5.00g Inst : GCMS 7
Misc : MS 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:40:52 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

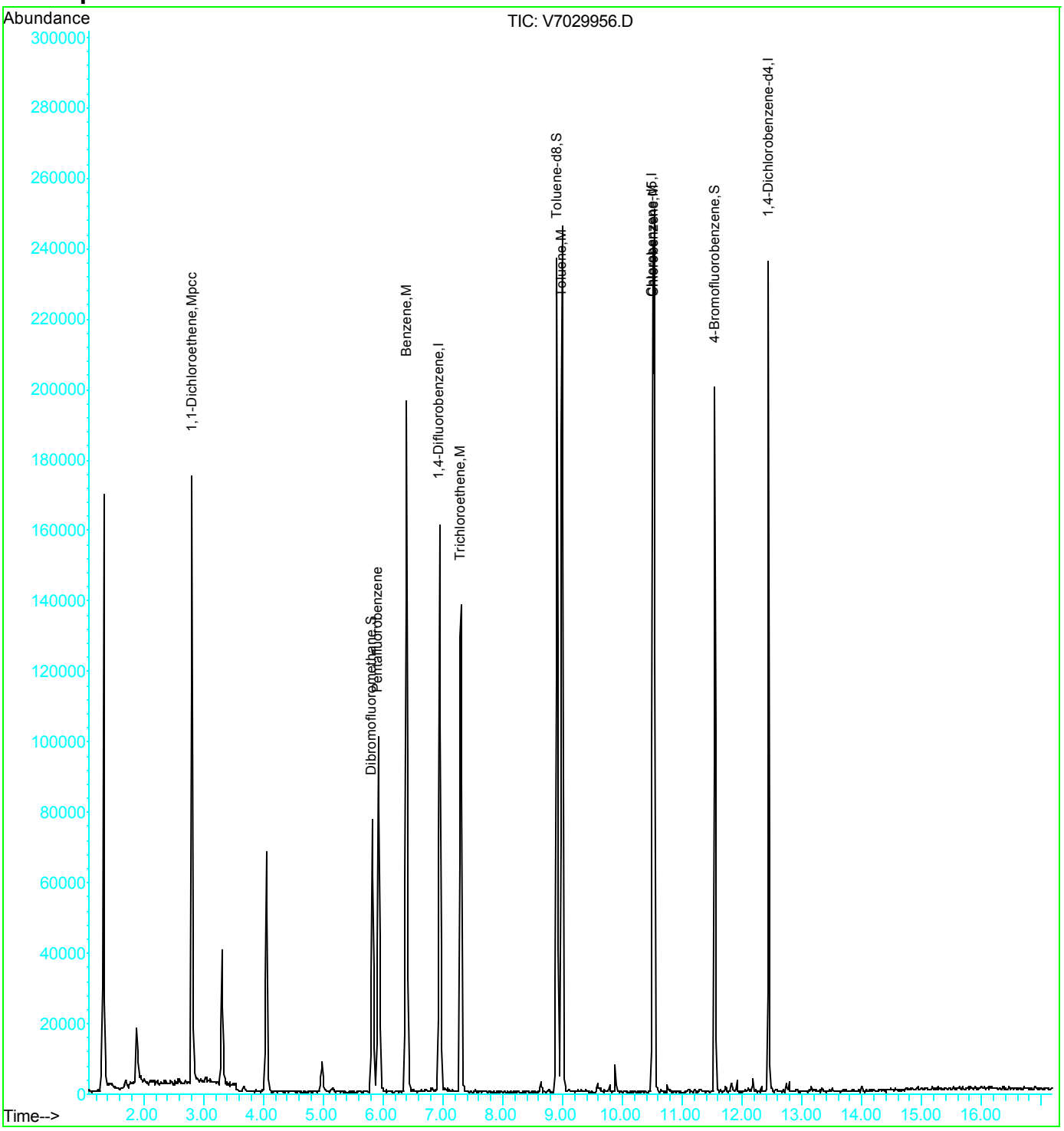
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029956.D Vial: 15
Acq On : 12 Jul 2004 3:09 pm Operator: NH
Sample : 0407302-001AMS 5.00g Inst : GCMS 7
Misc : MS 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 13 10:10 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029957.D Vial: 16
Acq On : 12 Jul 2004 3:38 pm Operator: NH
Sample : 0407302-001AMSD 8.18g Inst : GCMS 7
Misc : MSD 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:56:00 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	5.93	168	89088	50.00 ug/kg	-0.02
28) 1,4-Difluorobenzene	6.95	114	151802	50.00 ug/kg	-0.01
46) Chlorobenzene-d5	10.50	117	114254	50.00 ug/kg	-0.01
60) 1,4-Dichlorobenzene-d4	12.45	152	51676	50.00 ug/kg	-0.01
System Monitoring Compounds					
29) Dibromofluoromethane	5.82	113	53222	50.16 ug/kg	-0.02
Spiked Amount 50.000	Range 80 - 121		Recovery = 100.32%		
42) Toluene-d8	8.91	98	177551	44.55 ug/kg	-0.01
Spiked Amount 50.000	Range 68 - 145		Recovery = 89.10%		
59) 4-Bromofluorobenzene	11.55	95	42699	36.20 ug/kg	-0.01
Spiked Amount 50.000	Range 65 - 133		Recovery = 72.40%		

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	2.81	96	58838	65.05 ug/kg	95
10) Acetone	0.00	58	0	N.D.	
11) Freon-113	0.00	101	0	N.D.	
12) Iodomethane	0.00	142	0	N.D.	
13) Carbon disulfide	0.00	76	0	N.D.	
14) Vinyl acetate	0.00	43	0	N.D.	
15) Methyl 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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029957.D Vial: 16
Acq On : 12 Jul 2004 3:38 pm Operator: NH
Sample : 0407302-001AMSD 8.18g Inst : GCMS 7
Misc : MSD 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:56:00 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	1,1,1-Trichloroethane	0.00	97	0	N.D.	
27)	Cyclohexane	0.00	56	0	N.D.	
30)	1,1-Dichloropropene	0.00	110	0	N.D.	
31)	Carbon tetrachloride	0.00	119	0	N.D.	
32)	Benzene	6.39	78	193689	48.53 ug/kg	100
33)	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	Trichloroethene	7.30	130	51182	51.03 ug/kg	97
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	8.99	92	109076	43.80 ug/kg	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.	
50)	Dibromochloromethane	0.00	129	0	N.D.	
51)	1,2-Dibromoethane	0.00	107	0	N.D.	
52)	Chlorobenzene	10.53	112	115040	47.39 ug/kg	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.	

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029957.D Vial: 16
Acq On : 12 Jul 2004 3:38 pm Operator: NH
Sample : 0407302-001AMSD 8.18g Inst : GCMS 7
Misc : MSD 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 15:56:00 2004 Quant Results File: VS032804.RES

Quant Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration
DataAcq Meth : 8260J

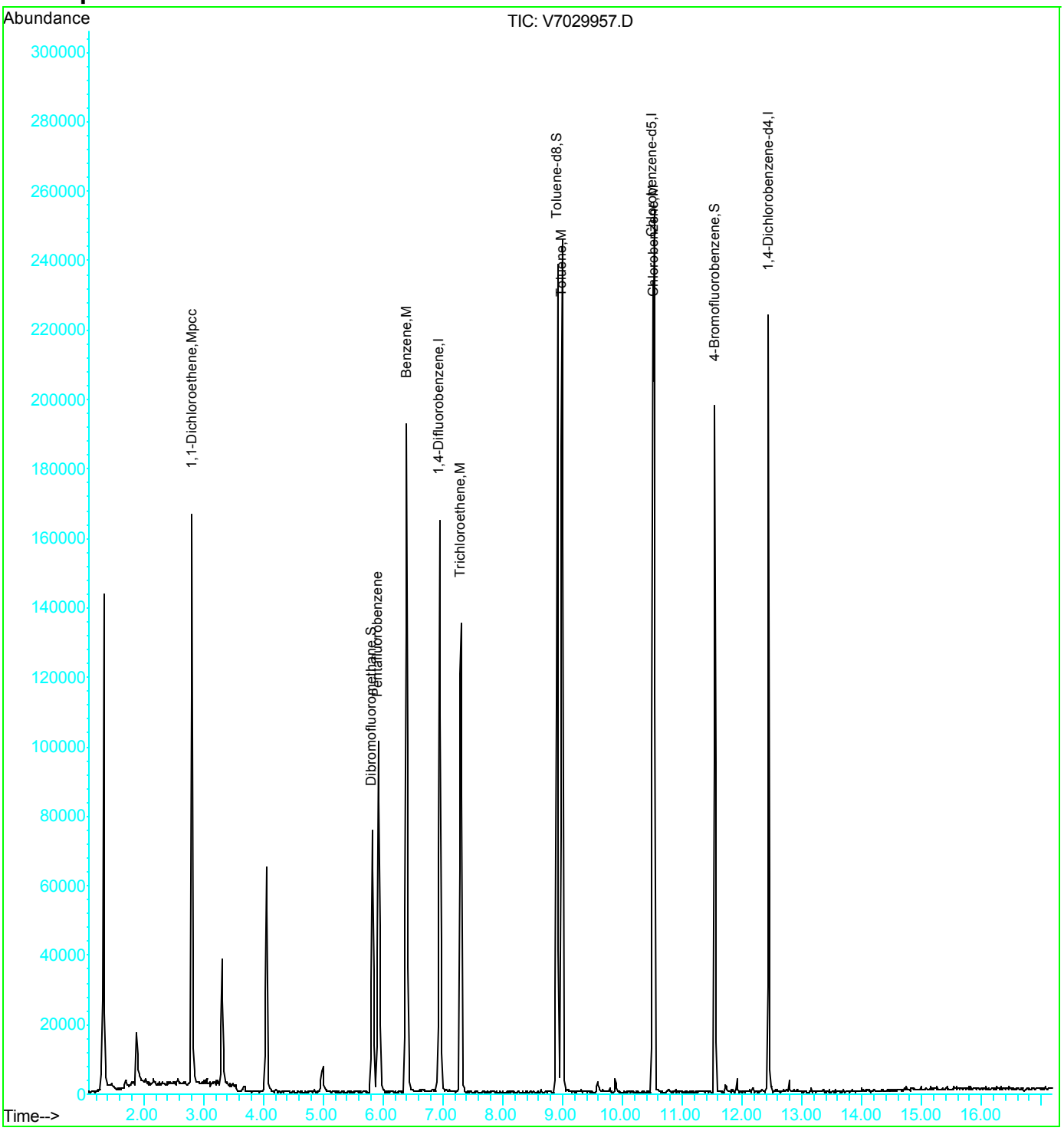
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
70)	tert-Butylbenzene	0.00	119	0	N.D.	
71)	1,2,4-Trimethylbenzene	0.00	105	0	N.D.	
72)	sec-Butylbenzene	0.00	105	0	N.D.	
73)	1,3-Dichlorobenzene	0.00	146	0	N.D.	
74)	4-Isopropyltoluene	0.00	119	0	N.D.	
75)	1,4-Dichlorobenzene	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 (QT Reviewed)

Data File : D:\MSDCHEM\1\DATA\7071204\V7029957.D Vial: 16
Acq On : 12 Jul 2004 3:38 pm Operator: NH
Sample : 0407302-001AMSD 8.18g Inst : GCMS 7
Misc : MSD 8260_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 13 10:11 2004 Quant Results File: VS032804.

Method : D:\MSDCHEM\1\METHODS\VS032804.M (RTE Integrator)
Title : 8260 Purgeable organics calibration
Last Update : Mon Jun 07 10:22:39 2004
Response via : Initial Calibration



Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/9/2004 8:00:00 A**
Prep End Date: **7/9/2004 4:18:32 P**

Prep Factor Units: **mL / Kg**

Prep Batch **47515** Prep Code: **3550_BNA** Technician: **Ismail Erdem**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0406F09-009B	Soil		0.03004	0	0	1	33.289	7/9/2004	7/9/2004
0406F09-010B	Soil		0.03006	0	0	1	33.267	7/9/2004	7/9/2004
0407035-001B	Soil		0.03004	0	0	1	33.289	7/9/2004	7/9/2004
0407035-002B	Soil		0.03008	0	0	1	33.245	7/9/2004	7/9/2004
0407035-003B	Soil		0.03002	0	0	1	33.311	7/9/2004	7/9/2004
0407035-004B	Soil		0.03007	0	0	1	33.256	7/9/2004	7/9/2004
0407035-005B	Soil		0.03005	0	0	1	33.278	7/9/2004	7/9/2004
0407302-001B	Soil		0.03002	0	0	1	33.311	7/9/2004	7/9/2004
0407302-003A	Soil		0.03006	0	0	1	33.267	7/9/2004	7/9/2004
0407302-005A	Soil		0.03003	0	0	1	33.300	7/9/2004	7/9/2004
0407302-005AMS	Soil		0.03004	0	0	1	33.289	7/9/2004	7/9/2004
0407302-005AMSD	Soil		0.03004	0	0	1	33.289	7/9/2004	7/9/2004
0407302-007A	Soil		0.03004	0	0	1	33.289	7/9/2004	7/9/2004
LCS-47515			0.03	0	0	1	33.333	7/9/2004	7/9/2004
MB-47515			0.03	0	0	1	33.333	7/9/2004	7/9/2004

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID	**MB-47515**	SampType:	**MBLK**	TestCode:	**8270_TCL4.2**	Units:	**µg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53071**		
Client ID:		Batch ID:	**47515**	TestNo:	**SW8270C**			Analysis Date:	**7/9/2004**	SeqNo:	**1019508**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3´-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									
Anthracene	BRL	330									
Atrazine	BRL	330									

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID **MB-47515**	SampType: **MBLK**	TestCode: **8270_TCL4.2**	Units: **µg/Kg**	Prep Date: **7/9/2004**	RunNo: **53071**
Client ID:	Batch ID: **47515**	TestNo: **SW8270C**		Analysis Date: **7/9/2004**	SeqNo: **1019508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									
Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID **MB-47515** SampType: **MBLK** TestCode: **8270_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53071**
Client ID: Batch ID: **47515** TestNo: **SW8270C** Analysis Date: **7/9/2004** SeqNo: **1019508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodiphenylamine	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2913	0	3333	0	87.4	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	1222	0	1667	0	73.3	12.9	120	0	0		
Surr: 2-Fluorophenol	2221	0	3333	0	66.6	10	119	0	0		
Surr: 4-Terphenyl-d14	1392	0	1667	0	83.5	41.5	128	0	0		
Surr: Nitrobenzene-d5	1126	0	1667	0	67.6	10	121	0	0		
Surr: Phenol-d5	2204	0	3333	0	66.1	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID **LCS-47515** SampType: **LCS** TestCode: **8270_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53071**
Client ID: Batch ID: **47515** TestNo: **SW8270C** Analysis Date: **7/9/2004** SeqNo: **1019510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	2881	330	3333	0	86.4	33	123	0	0		
2-Chlorophenol	2566	330	3333	0	77	10	120	0	0		
4-Chloro-3-methylphenol	2928	330	3333	0	87.8	10	138	0	0		
4-Nitrophenol	3667	1700	3333	0	110	24.3	135	0	0		
Acenaphthene	2733	330	3333	0	82	17.5	122	0	0		
N-Nitrosodi-n-propylamine	2841	330	3333	0	85.2	10	129	0	0		
Pentachlorophenol	3144	1700	3333	0	94.3	38.4	128	0	0		
Phenol	2628	330	3333	0	78.8	10	120	0	0		
Pyrene	2891	330	3333	0	86.7	58.6	120	0	0		
Surr: 2,4,6-Tribromophenol	3076	0	3333	0	92.3	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	1287	0	1667	0	77.2	12.9	120	0	0		
Surr: 2-Fluorophenol	2118	0	3333	0	63.5	10	119	0	0		
Surr: 4-Terphenyl-d14	1426	0	1667	0	85.6	41.5	128	0	0		
Surr: Nitrobenzene-d5	1242	0	1667	0	74.5	10	121	0	0		
Surr: Phenol-d5	1993	0	3333	0	59.8	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID **0407302-005AMS** SampType: **MS** TestCode: **8270_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53071**
Client ID: **JW-SS-20** Batch ID: **47515** TestNo: **SW8270C** Analysis Date: **7/9/2004** SeqNo: **1019513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	2340	330	3329	0	70.3	29	123	0	0		
2-Chlorophenol	2340	330	3329	0	70.3	10	121	0	0		
4-Chloro-3-methylphenol	2608	330	3329	0	78.3	13.6	141	0	0		
4-Nitrophenol	2535	1700	3329	0	76.1	10.4	152	0	0		
Acenaphthene	2244	330	3329	0	67.4	13.9	121	0	0		
N-Nitrosodi-n-propylamine	2493	330	3329	0	74.9	10	130	0	0		
Pentachlorophenol	2565	1700	3329	0	77	30	133	0	0		
Phenol	2336	330	3329	0	70.2	10	120	0	0		
Pyrene	2246	330	3329	74.26	65.2	42.4	128	0	0		
Surr: 2,4,6-Tribromophenol	2503	0	3329	0	75.2	35.5	131	0	0		
Surr: 2-Fluorobiphenyl	1096	0	1664	0	65.8	12.9	120	0	0		
Surr: 2-Fluorophenol	2034	0	3329	0	61.1	10	119	0	0		
Surr: 4-Terphenyl-d14	1071	0	1664	0	64.4	41.5	128	0	0		
Surr: Nitrobenzene-d5	1142	0	1664	0	68.6	10	121	0	0		
Surr: Phenol-d5	2290	0	3329	0	68.8	12.6	121	0	0		

Sample ID **0407302-005AMSD** SampType: **MSD** TestCode: **8270_TCL4.2** Units: **µg/Kg** Prep Date: **7/9/2004** RunNo: **53071**
Client ID: **JW-SS-20** Batch ID: **47515** TestNo: **SW8270C** Analysis Date: **7/9/2004** SeqNo: **1019514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrotoluene	1982	330	3329	0	59.5	29	123	2340	16.6	26.1	
2-Chlorophenol	2049	330	3329	0	61.6	10	121	2340	13.2	53.1	
4-Chloro-3-methylphenol	2408	330	3329	0	72.3	13.6	141	2608	7.96	34.7	
4-Nitrophenol	2189	1700	3329	0	65.8	10.4	152	2535	14.6	28.7	
Acenaphthene	2009	330	3329	0	60.4	13.9	121	2244	11.0	49	
N-Nitrosodi-n-propylamine	2111	330	3329	0	63.4	10	130	2493	16.6	46.5	
Pentachlorophenol	2217	1700	3329	0	66.6	30	133	2565	14.5	26.9	
Phenol	2046	330	3329	0	61.5	10	120	2336	13.2	47.1	
Pyrene	1976	330	3329	74.26	57.1	42.4	128	2246	12.8	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_TCL4.2_S

Sample ID	**0407302-005AMSD**	SampType:	**MSD**	TestCode:	**8270_TCL4.2**	Units:	**µg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53071**		
Client ID:	**JW-SS-20**	Batch ID:	**47515**	TestNo:	**SW8270C**			Analysis Date:	**7/9/2004**	SeqNo:	**1019514**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	2150	0	3329	0	64.6	35.5	131	2503	0	0	
Surr: 2-Fluorobiphenyl	967	0	1664	0	58.1	12.9	120	1096	0	0	
Surr: 2-Fluorophenol	1819	0	3329	0	54.6	10	119	2034	0	0	
Surr: 4-Terphenyl-d14	938.4	0	1664	0	56.4	41.5	128	1071	0	0	
Surr: Nitrobenzene-d5	1107	0	1664	0	66.5	10	121	1142	0	0	
Surr: Phenol-d5	1932	0	3329	0	58	12.6	121	2290	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\S40701

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	S070101.d	1.	DFTPP 2256	TUNE DFTPP_4	1 Jul 2004 10:01
2	1	S070102.d	1.	DFTPP 2256	TUNE DFTPP_4	1 Jul 2004 10:39
3	2	S070103.d	1.	BNA10 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 11:17
4	1	S070103a.d	1.	DFTPP 2256	TUNE DFTPP_4	1 Jul 2004 11:56
5	3	S070104.d	1.	BNA10 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 12:15
6	4	S070105.d	1.	BNA20 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 12:53
7	5	S070106.d	1.	BNA40 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 13:29
8	6	S070107.d	1.	BNA60 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 14:06
9	7	S070108.d	1.	BNA80 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 14:44
10	8	S070109.d	1.	BNA120 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 15:22
11	9	S070110.d	1.	BNA160 2275	ICAL 8270_TCL4.2_S	1 Jul 2004 15:58
12	10	S070111.d	1.	BNA60 2271	ICV 8270_TCL4.2_S	1 Jul 2004 16:34
13	11	S070112.d	1.	625SPIKE(100ppm) 02285	ICV 8270_TCL4.2_S	1 Jul 2004 17:12

Calibration Status Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	160	160	40	D:\MSDCHEM\DATA\S40701\S070110.D
2	60	60	40	D:\MSDCHEM\DATA\S40701\S070107.D
3	40	40	40	D:\MSDCHEM\DATA\S40701\S070106.D
4	120	120	40	D:\MSDCHEM\DATA\S40701\S070109.D
5	80	80	40	D:\MSDCHEM\DATA\S40701\S070108.D
6	10	10	40	D:\MSDCHEM\DATA\S40701\S070104.D
7	20	20	40	D:\MSDCHEM\DATA\S40701\S070105.D

#	ID	Update Time	Quant Time	Acquisition Time
1	160	Jul 02 10:43 2004	Jul 02 10:40 2004	
2	60	Jul 02 10:42 2004	Jul 02 10:40 2004	
3	40	Jul 02 10:42 2004	Jul 02 10:33 2004	
4	120	Jul 02 10:42 2004	Jul 02 10:39 2004	
5	80	Jul 02 10:42 2004	Jul 02 10:37 2004	
6	10	Jul 02 10:41 2004	Jul 02 10:28 2004	
7	20	Jul 02 10:41 2004	Jul 02 10:31 2004	

B070104.M Fri Jul 02 12:19:55 2004

Calibration Curve Review Checklist for 8270C/625

Matrix: **CH2CL2** Instrument: **MS-9** Date Prepared: **7/1/2004**

Curve ID: **B040701.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

To soil, 16 compounds lowest points below PQL,
to water, 11 compounds lowest points 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: **7/2/2004** Time: **2:10 pm**

Primary Reviewer: _____ Date: _____ Time: _____

Secondary Reviewer: _____ Date: _____ Time: _____

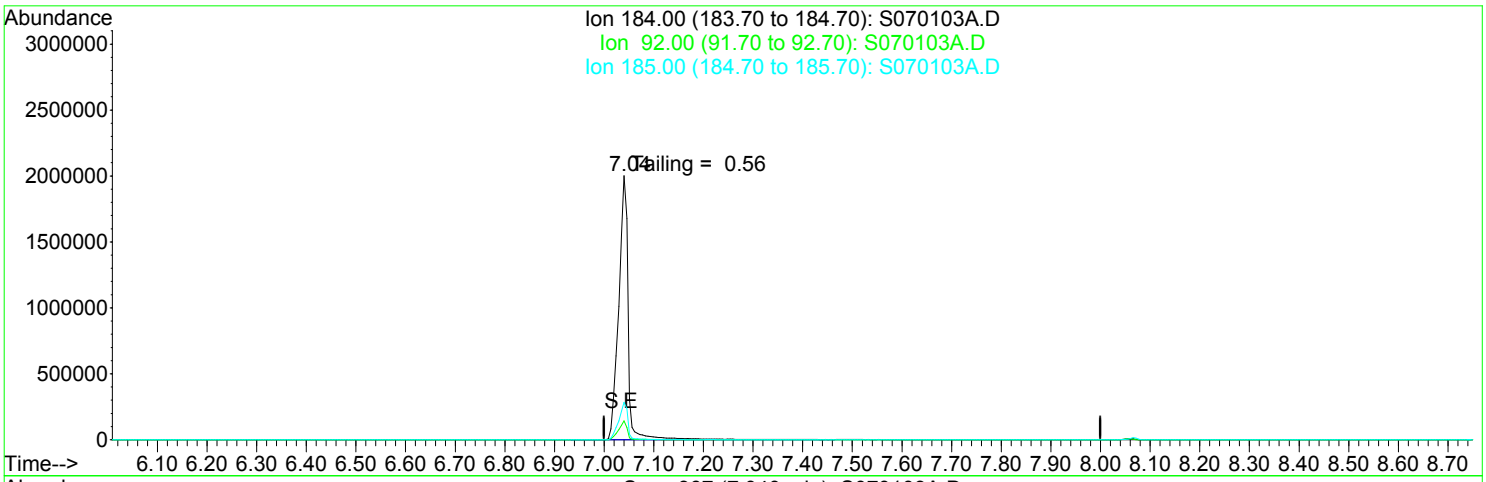
Comments:

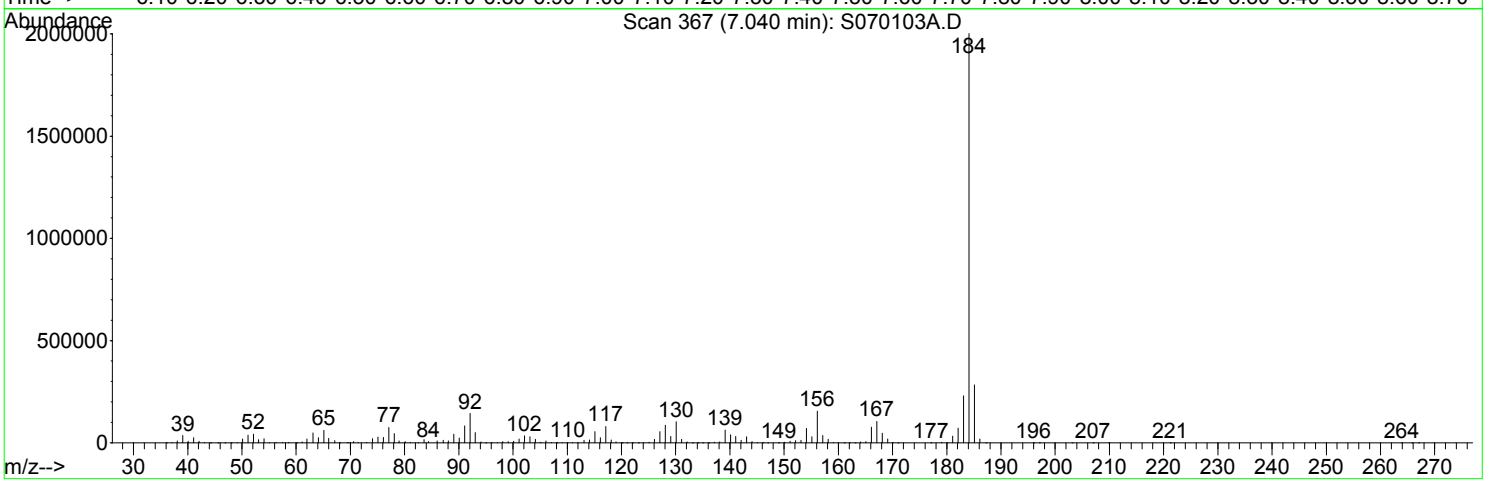
Benzidine failed in ICV standard (02271), passed in 625 spike solution(02285).

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070103A.D Vial: 1
Acq On : 1 Jul 2004 11:56 am Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:23 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: S070103A.D

(6) Benzidine (T)

7.04min 0.00ng

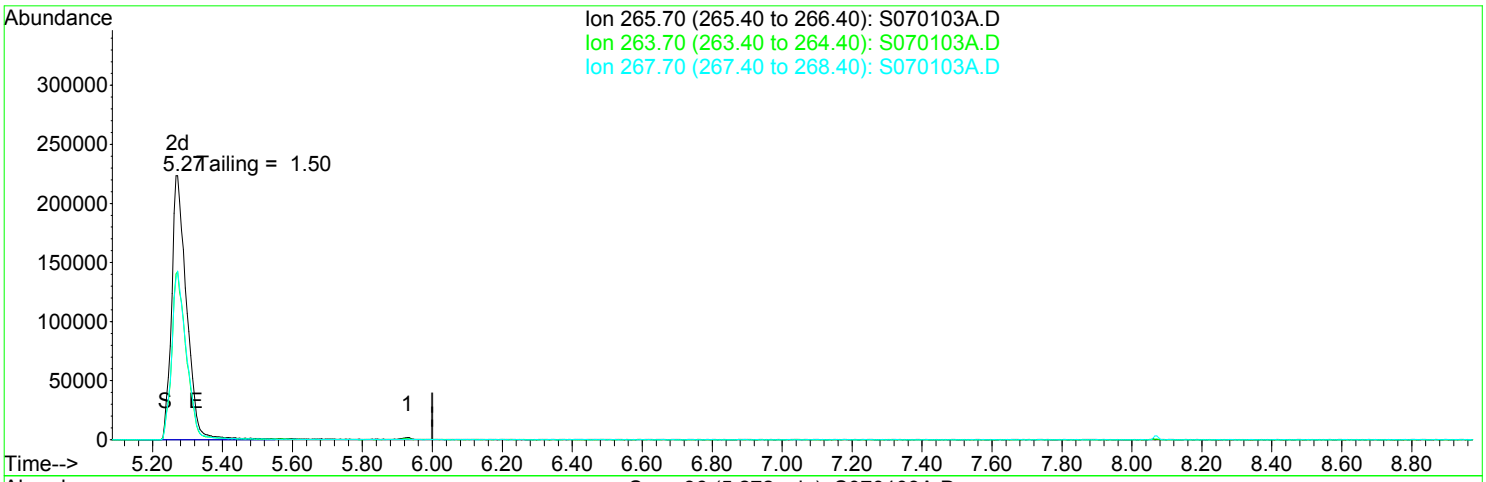
response 2581008

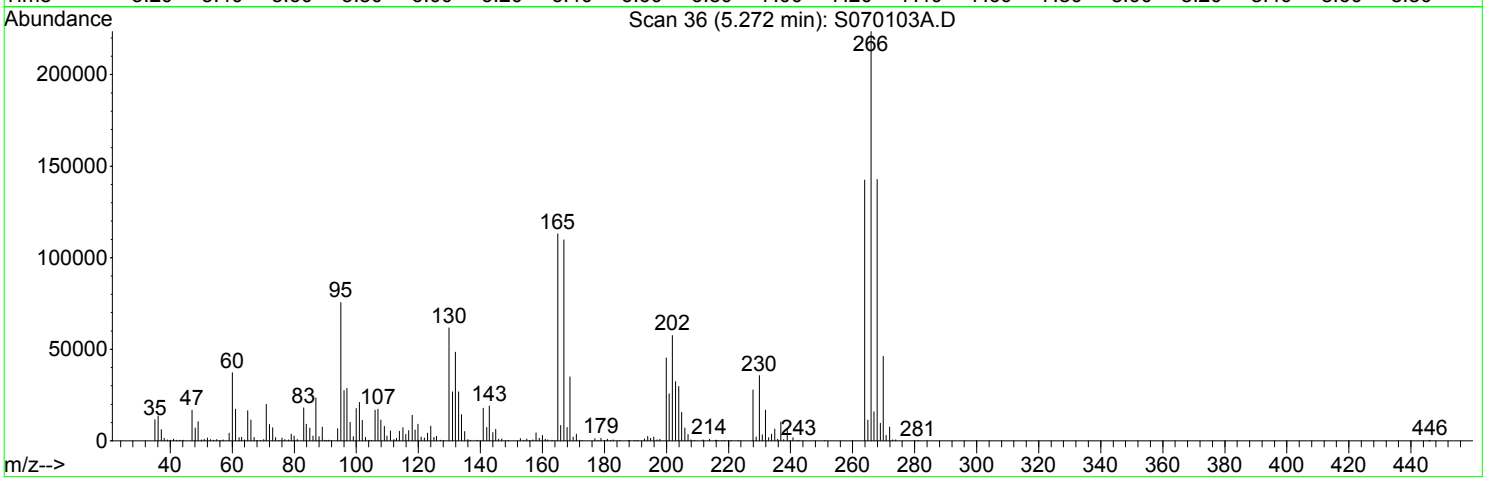
Ion	Exp%	Act%
184.00	100	100
92.00	10.50	6.56
185.00	14.80	13.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070103A.D Vial: 1
Acq On : 1 Jul 2004 11:56 am Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:23 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: S070103A.D

(3) Pentachlorophenol (CCC)

5.27min 54200.68ng m

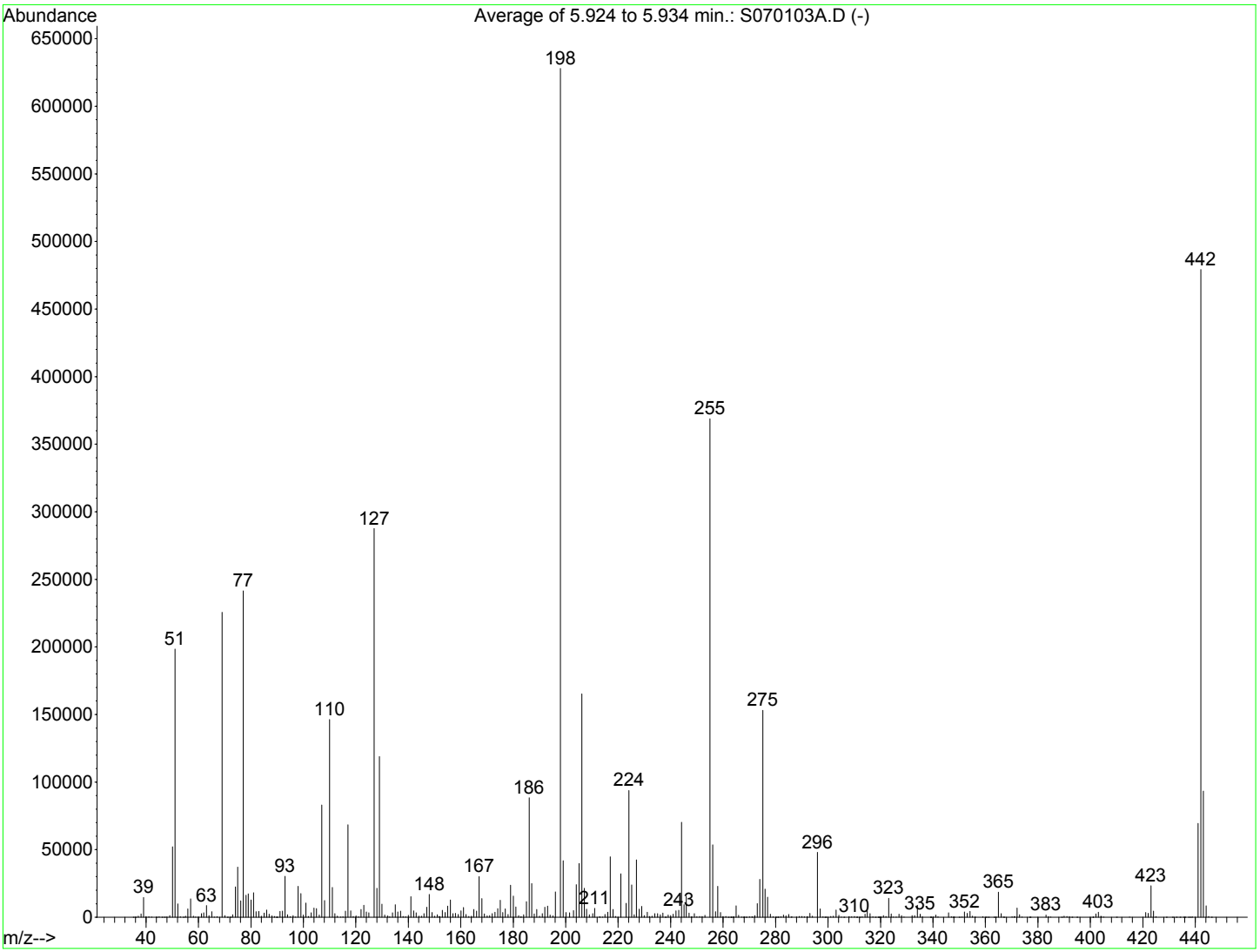
response 678618

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	0.00#
267.70	63.60	0.00#
0.00	0.00	0.00

S070103A.D TAILING.M Fri Jul 02 10:24:02 2004

DFTPP 625 Results

D:\MSDchem\DATA\S40701\S070103A.D **Thu Jul 01 12:09:13 2004**



Peak Apex is scan: 159
Average of 3 scans: 158,159,160 minus background scan 148

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	31.6	PASS
68	69	0	2	0.0	PASS
69	198	0	100	35.9	PASS
70	69	0	2	0.6	PASS
127	198	40	60	45.8	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.7	PASS
275	198	10	30	24.4	PASS
365	198	1	100	3.0	PASS
441	443	0	100	74.3	PASS
442	198	40	100	76.3	PASS
443	442	17	23	19.5	PASS

Information from Data File:
File: D:\MSDchem\DATA\S40701\S070103A.D
Operator: YH
Date Acquired: 1 Jul 2004 11:56 am
Method File: DFTPP
Sample Name: DFTPP 2256
Misc Info: TUNE DFTPP_4
Vial Number: 1

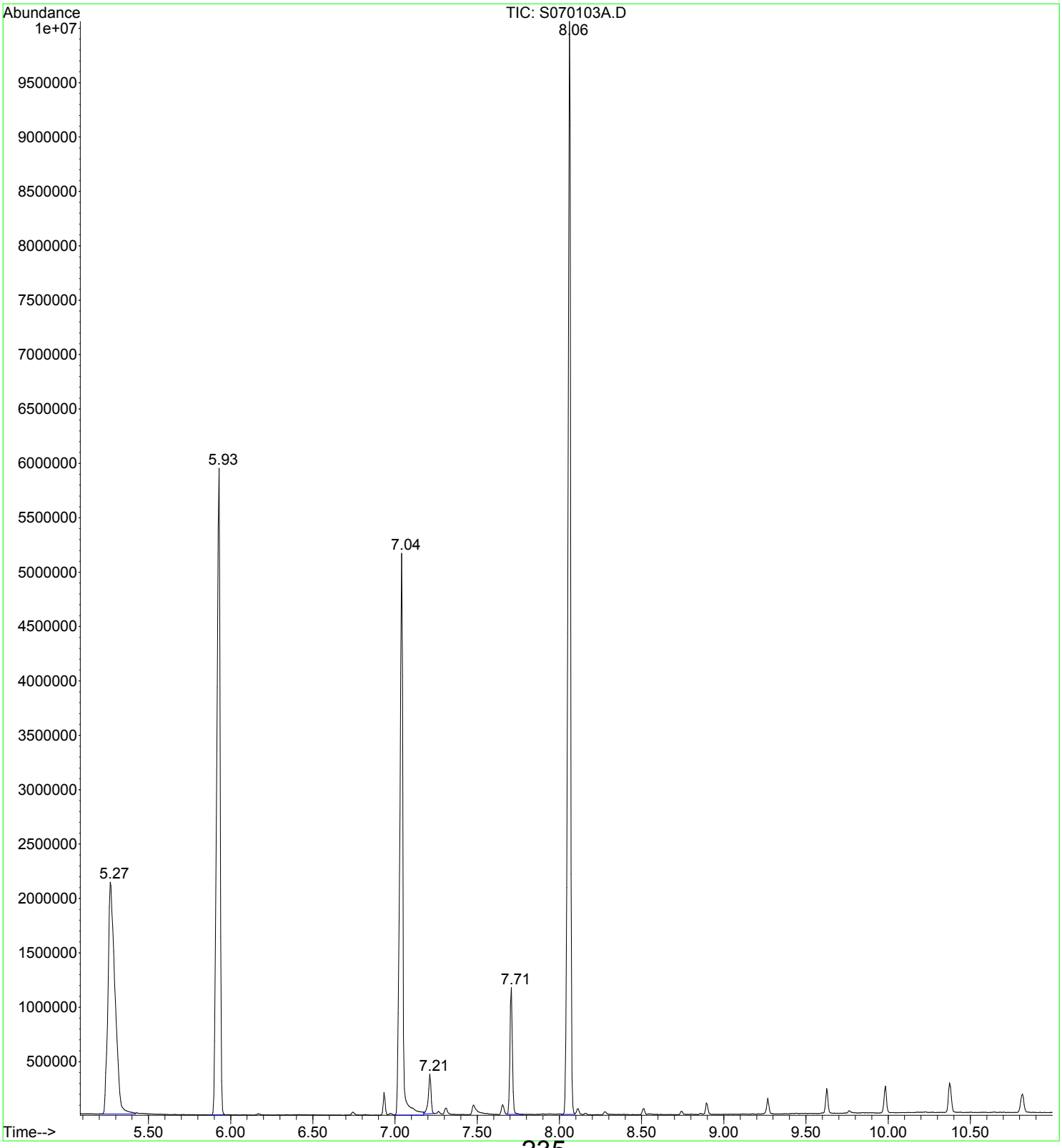
Search Libraries: C:\DATABASE\NIST98.L Minimum Quality: 0

Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	5.27	18.04	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
2	5.93	24.61	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	99
3	7.04	19.44	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	96
			Benzidine	78849	000092-87-5	95
			Benzidine	125548	000092-87-5	95
4	7.21	1.14	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	98
			Eicosanoic acid	5652	000506-30-9	60
			Hexadecanoic acid, 1,1-dimethyl...	15255	031158-91-5	49
5	7.71	3.44	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloroph...	127283	000072-54-8	96
			Mitotane	127290	000053-19-0	91
			1,1-Dichloro-2,2-bis(p-chloroph...	127280	000072-54-8	87
6	8.06	33.33	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloroph...	127281	000072-54-8	94
			Chlorophenothane	127284	000050-29-3	91
			Mitotane	127290	000053-19-0	91

Area Percent Report

Data File : D:\MSDchem\DATA\S40701\S070103A.D Vial: 1
Acq On : 1 Jul 2004 11:56 am 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\S40701\S070103A.D Vial: 1
Acq On : 1 Jul 2004 11:56 am 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	5.267	25	35	64	rBV	2131265	6347668	54.15%	18.045%
2	5.929	150	159	167	rBV2	5945520	8655990	73.84%	24.607%
3	7.040	359	367	392	rBV	5164228	6838345	58.33%	19.440%
4	7.211	393	399	405	rVB2	361435	400664	3.42%	1.139%
5	7.708	487	492	505	rVB	1166658	1211771	10.34%	3.445%
6	8.061	549	558	564	rBV	10047038	11723022	100.00%	33.325%

Sum of corrected areas: 35177460

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

Calibration Files
160 =S070110.D 60 =S070107.D 40 =S070106.D
120 =S070109.D 80 =S070108.D 10 =S070104.D

		Compound	160	60	40	120	80	10	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		Pyridine	1.065	1.159	1.037	1.140	1.187	0.947	1.100	7.94
3)	T	2-Picoline	0.972	0.879	0.948	1.022	0.952	0.738	0.910	10.31
4)	T	Methyl methanes	0.785	0.802	0.804	0.848	0.769	0.623	0.767	9.37
5)	S	2-Fluorophenol	1.133	1.045	1.052	1.160	1.074	0.796	1.032	11.82
6)	T	Ethyl methanesu	0.960	0.945	0.938	1.011	0.972	0.810	0.938	6.67
7)		Benzaldehyde		0.611	0.704		0.492	0.652	0.633	13.98
8)	T	Aniline	0.744	0.777	0.755	0.829	0.793	0.659	0.760	6.95
9)	S	Phenol-d5	1.740	1.682	1.597	1.849	1.730	1.407	1.651	8.81
10)	CCC	Phenol	1.603	1.549	1.529	1.694	1.603	1.474	1.557	5.42
11)	T	Bis(2-chloroeth	1.069	0.996	0.943	1.068	1.025	0.877	0.985	7.59
12)	T	2-Chlorophenol	1.405	1.352	1.306	1.439	1.351	1.267	1.345	4.55
13)	T	1,3-Dichloroben	1.584	1.530	1.501	1.578	1.538	1.485	1.528	2.79
14)	CCC	1,4-Dichloroben	1.673	1.611	1.599	1.676	1.610	1.627	1.621	2.71
15)	T	1,2-Dichloroben	1.565	1.524	1.502	1.575	1.533	1.492	1.530	2.02
16)	T	Benzyl alcohol	0.883	0.839	0.730	0.921	0.842	0.645	0.800	12.23
17)	T	Bis(2-chloroiso	2.434	2.462	2.461	2.461	2.466	2.453	2.458	0.46
18)	T	2-Methylphenol	1.118	1.146	1.139	1.146	1.117	1.094	1.129	1.75
19)	T	4-Methylphenol	1.444	1.460	1.368	1.518	1.428	1.293	1.413	5.18
20)	PC	N-Nitrosodi-n-p	1.260	1.237	1.227	1.317	1.266	1.198	1.239	3.95
21)	T	N-Nitrosodimeth	0.432	0.418	0.326	0.413	0.415	0.281	0.373	16.21
22)	T	Hexachloroethan	0.756	0.733	0.707	0.750	0.740	0.744	0.735	2.42
23)	I	Naphthalene-d8	----------ISTD----------							
24)	S	Nitrobenzene-d5	0.491	0.482	0.454	0.478	0.489	0.447	0.471	3.85
25)	T	Acetophenone	0.573	0.545	0.510	0.566	0.556	0.500	0.538	5.51
26)	M	Nitrobenzene	0.518	0.507	0.480	0.508	0.499	0.507	0.504	2.44
27)	T	N-Nitrosopiperi	0.180	0.178	0.169	0.179	0.180	0.157	0.172	5.29
28)	T	Isophorone	0.807	0.801	0.771	0.806	0.809	0.800	0.795	2.01
29)	CCC	2-Nitrophenol	0.208	0.203	0.192	0.204	0.203	0.162	0.194	8.26
30)	T	2,4-Dimethylphe	0.334	0.313	0.299	0.329	0.322	0.291	0.315	4.96
31)	T	Bis(2-chloroeth	0.413	0.413	0.392	0.408	0.418	0.386	0.404	2.90
32)	CCC	2,4-Dichlorophe	0.328	0.320	0.299	0.329	0.328	0.291	0.311	6.55
33)	T	1,2,4-Trichloro	0.389	0.373	0.354	0.380	0.378	0.358	0.372	3.32
34)	T	Naphthalene	1.196	1.163	1.116	1.185	1.175	1.136	1.159	2.47
35)	T	Benzoic acid	0.154	0.078		0.148	0.112		0.123	28.59
36)	T	2,6-Dichlorophe	0.339	0.325	0.315	0.341	0.329	0.307	0.323	4.67
37)	T	4-Chloroaniline	0.413	0.408	0.395	0.441	0.421	0.316	0.394	10.69

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

Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

Calibration Files
160 =S070110.D 60 =S070107.D 40 =S070106.D
120 =S070109.D 80 =S070108.D 10 =S070104.D

		Compound	160	60	40	120	80	10	Avg	%RSD
38)	CCC	Hexachlorobutad	0.255	0.242	0.230	0.250	0.245	0.230	0.241	4.06
39)	T	a,a-Dimethylphe	1.063	1.087	0.996	1.074	1.125	0.830	1.006	11.37
40)		Caprolactam	0.238	0.241	0.229	0.240	0.253	0.200	0.230	8.38
41)	CCC	4-Chloro-3-meth	0.366	0.361	0.335	0.369	0.363	0.320	0.349	5.85
42)	T	N-Nitrosodi-n-b	0.388	0.387	0.365	0.343	0.396	0.347	0.364	7.44
43)	T	2-Methylnaphtha	0.814	0.801	0.793	0.810	0.806	0.859	0.814	2.61
44)	T	1-Methylnaphtha	0.773	0.733	0.731	0.764	0.754	0.746	0.748	2.16
45)	I	Acenaphthene-d10	----------ISTD----------							
46)	T	1,2,4,5-Tetrach	0.679	0.638	0.617	0.661	0.648	0.622	0.644	3.36
47)	PC	Hexachlorocyclo	0.317		0.194	0.318	0.267	0.095	0.222	42.25#
48)	CCC	2,4,6-Trichloro	0.421	0.405	0.375	0.413	0.401	0.361	0.395	5.47
49)	T	2,4,5-Trichloro	0.449	0.429	0.401	0.434	0.419	0.374	0.414	6.26
50)	S	2-Fluorobipheny	1.529	1.463	1.396	1.502	1.475	1.410	1.463	3.22
51)		Biphenyl	1.987	1.782	1.700	1.975	1.822	1.703	1.816	6.64
52)	T	2-Chloronaphtha	1.420	1.301	1.225	1.436	1.323	1.136	1.299	8.21
53)	T	1-Chloronaphtha	1.203	1.187	1.191	1.168	1.178	1.296	1.213	3.97
54)	T	2-Nitroaniline	0.483	0.476	0.448	0.490	0.485	0.371	0.451	10.37
55)	T	3-Nitroaniline	0.355	0.347	0.318	0.369	0.348	0.223	0.319	16.40
56)	T	Pentachlorobenz	0.612	0.583	0.563	0.598	0.597	0.565	0.583	3.47
57)	T	4-Nitroaniline	0.329	0.314	0.270	0.341	0.327	0.165	0.281	23.39
58)	T	2-Naphthylamine	1.022	1.116	1.047	1.075	1.099	0.943	1.048	5.49
59)	T	1-Naphthylamine	0.873	0.998	0.915	0.955	0.974	0.843	0.926	5.92
60)	T	Dimethyl phthal	1.495	1.475	1.424	1.469	1.482	1.390	1.450	2.73
61)	T	Acenaphthylene	1.899	1.848	1.818	1.879	1.861	1.773	1.842	2.33
62)	T	2,6-Dinitrotolu	0.330	0.320	0.305	0.324	0.322	0.274	0.310	6.56
63)	CCC	Acenaphthene	1.303	1.256	1.189	1.308	1.269	1.193	1.248	3.94
64)	PC	2,4-Dinitrophen	0.185	0.126	0.085	0.180	0.146		0.123	52.51#
65)	T	Dibenzofuran	1.823	1.789	1.720	1.795	1.789	1.703	1.767	2.47
66)	PC	4-Nitrophenol	0.215	0.173	0.188	0.223	0.182	0.231	0.204	11.04
67)	M	2,4-Dinitrotolu	0.463	0.454	0.417	0.464	0.458	0.357	0.427	10.50
68)	T	2,3,4,6-Tetrach	0.388	0.365	0.316	0.384	0.369	0.283	0.344	12.13
69)	T	Diethyl phthala	1.749	1.681	1.556	1.760	1.705	1.529	1.642	6.42
70)	T	Fluorene	1.689	1.597	1.501	1.687	1.629	1.472	1.582	5.83
71)	T	4-Chlorophenyl	0.792	0.757	0.723	0.791	0.769	0.724	0.753	4.44
72)	S	2,4,6-Tribromop	0.259	0.250	0.225	0.263	0.253	0.209	0.240	8.82
73)	I	Phenanthrene-d10	----------ISTD----------							
74)	T	4,6-Dinitro-2-m	0.167	0.145	0.127	0.168	0.149	0.080	0.135	23.98

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

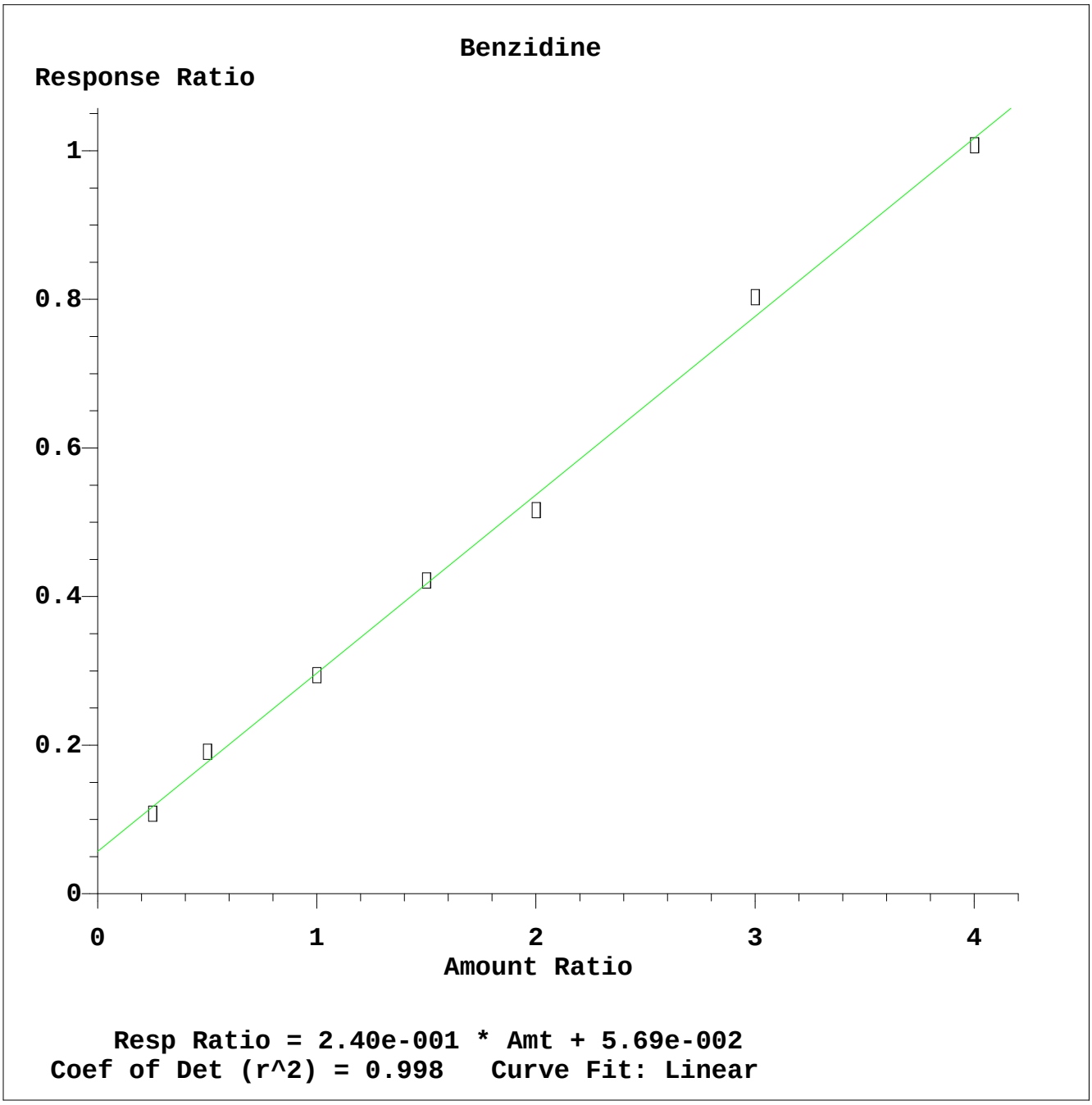
Response Factor Report GC MS9

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

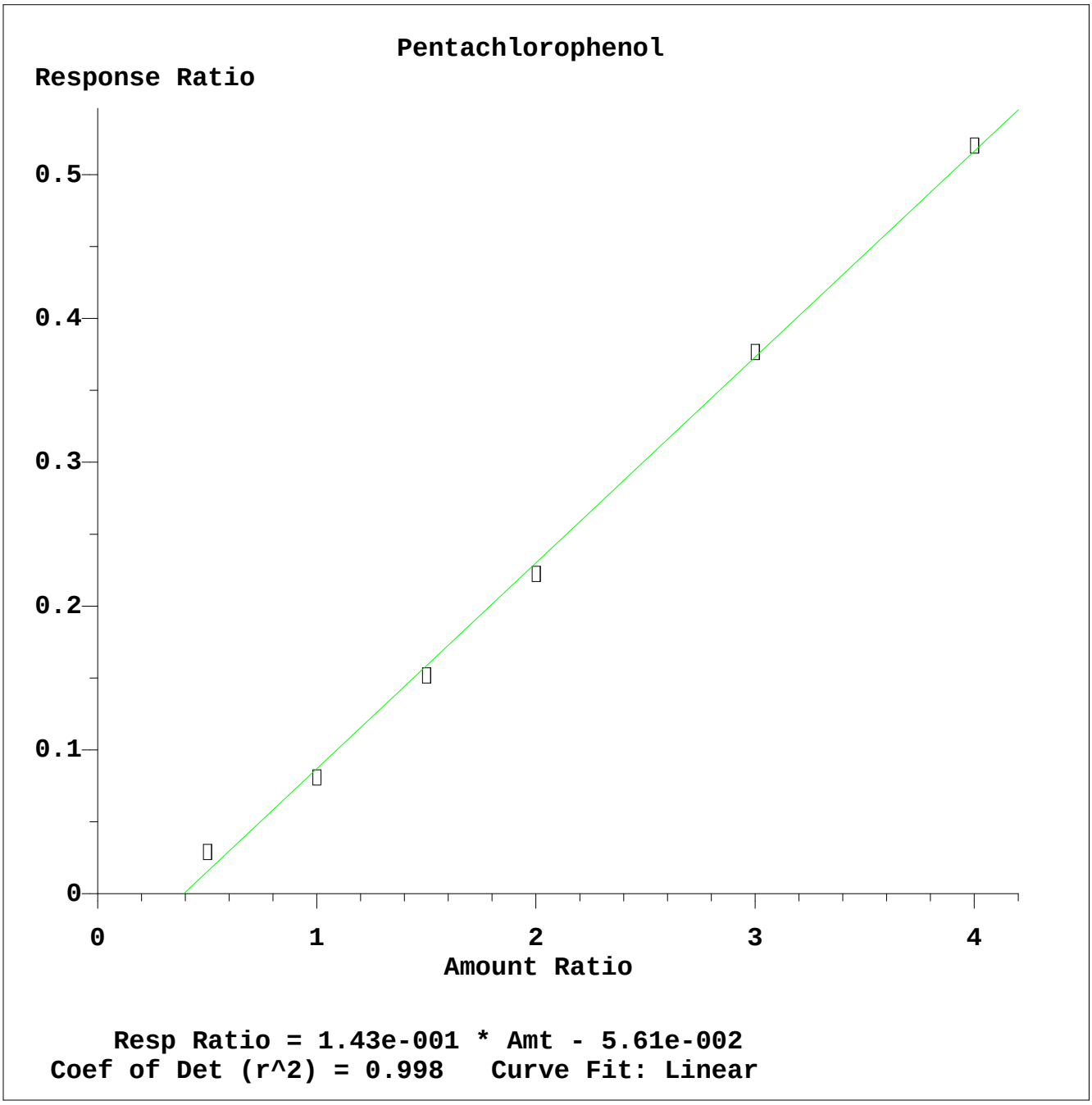
Calibration Files
160 =S070110.D 60 =S070107.D 40 =S070106.D
120 =S070109.D 80 =S070108.D 10 =S070104.D

		Compound	160	60	40	120	80	10	Avg	%RSD
75)	T	Azobenzene	1.196	1.110	0.920	1.182	1.152	0.945	1.066	11.30
76)	T	1,2-Diphenylhyd	0.236	0.219	0.216	0.236	0.221	0.214	0.223	4.16
77)	CCC	Diphenylamine	0.170	0.156	0.152	0.167	0.159	0.144	0.157	5.62
78)	T	N-Nitrosodiphen	0.842	0.798	0.774	0.848	0.813	0.765	0.803	4.06
79)	T	4-Bromophenyl p	0.242	0.238	0.234	0.239	0.240	0.230	0.236	1.91
80)	T	Phenacetin	0.430	0.424	0.381	0.427	0.420	0.293	0.386	14.26
81)	T	Hexachlorobenze	0.251	0.251	0.250	0.245	0.252	0.252	0.251	1.22
82)		Atrazine	0.237	0.243	0.228	0.233	0.235	0.221	0.231	3.36
83)	T	4-Aminobiphenyl	0.638	0.688	0.654	0.698	0.676	0.574	0.654	6.34
84)	CCC	Pentachlorophen	0.130	0.101	0.081	0.126	0.111		0.101	27.24#
85)	T	Pentachloronitr	0.136	0.132	0.128	0.134	0.135	0.120	0.131	4.25
86)	T	Pronamide	0.393	0.394	0.369	0.396	0.391	0.351	0.379	4.87
87)	T	Phenanthrene	1.213	1.206	1.164	1.202	1.198	1.193	1.195	1.35
88)	T	Anthracene	1.220	1.217	1.172	1.197	1.198	1.204	1.200	1.32
89)	T	Carbazole	1.145	1.137	1.060	1.140	1.138	1.040	1.102	4.37
90)	T	Di-n-butyl phth	1.464	1.477	1.371	1.452	1.443	1.269	1.398	5.88
91)	CCC	Fluoranthene	1.427	1.442	1.319	1.434	1.417	1.273	1.373	5.33
92)	I	Chrysene-d12	----------ISTD----------							
93)	T	Pyrene	1.380	1.341	1.349	1.366	1.333	1.379	1.357	1.35
94)	S	4-Terphenyl-d14	1.001	0.976	0.960	1.005	0.967	0.971	0.979	1.78
95)	T	Benzidine	0.252	0.281	0.294	0.268	0.258	0.431	0.309	22.43
96)	T	Dimethylaminoaz	0.290	0.288	0.270	0.294	0.290	0.254	0.277	6.31
97)	T	Butyl benzyl ph	0.649	0.649	0.620	0.643	0.658	0.602	0.631	3.89
98)	T	Benz(a)anthrace	1.414	1.383	1.320	1.379	1.393	1.319	1.362	2.90
99)	T	3,3'-Dichlorobe	0.527	0.483	0.479	0.514	0.492	0.450	0.488	5.22
100)	T	Chrysene	1.406	1.348	1.295	1.356	1.350	1.326	1.344	2.53
101)	T	Bis(2-ethylhexy	0.913	0.916	0.864	0.931	0.938	0.839	0.891	4.82
102)	CCC	Di-n-octyl phth	1.614	1.568	1.516	1.635	1.630	1.385	1.548	5.90
103)	T	3-Methylcholant	0.765	0.644	0.669	0.702	0.695	0.613	0.683	7.06
104)	T	Indeno[1,2,3-cd	1.917	1.479	1.533	1.723	1.596	1.362	1.600	11.17
105)	I	Perylene-d12	----------ISTD----------							
106)	T	Benzo[b]fluoran	1.657	1.523	1.421	1.757	1.517	1.394	1.522	9.25
107)	T	Benzo[k]fluoran	1.515	1.531	1.477	1.400	1.468	1.473	1.480	2.86
108)	CCC	Benzo[a]pyrene	1.479	1.427	1.389	1.453	1.467	1.312	1.414	4.20
109)	T	Dibenz(a,j)acri	1.607	1.410	1.403	1.535	1.473	1.274	1.438	7.69
110)	T	Dibenz(a,h)anth	1.817	1.535	1.550	1.726	1.606	1.447	1.593	8.51
111)	T	Benzo[g,h,i]per	2.023	1.744	1.712	1.928	1.841	1.634	1.794	7.95

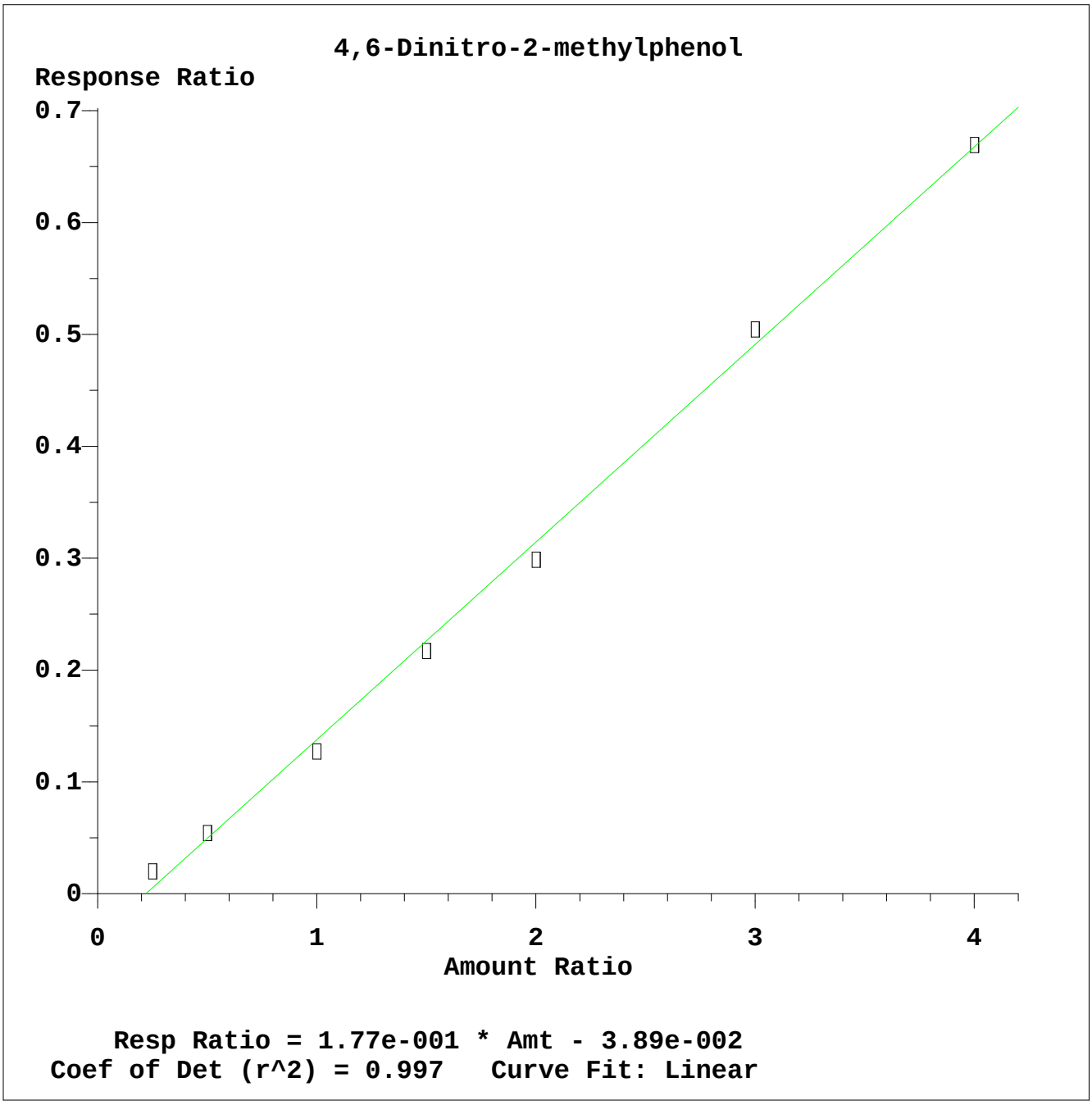
(#) = Out of Range ### Number of calibration levels exceeded format ###



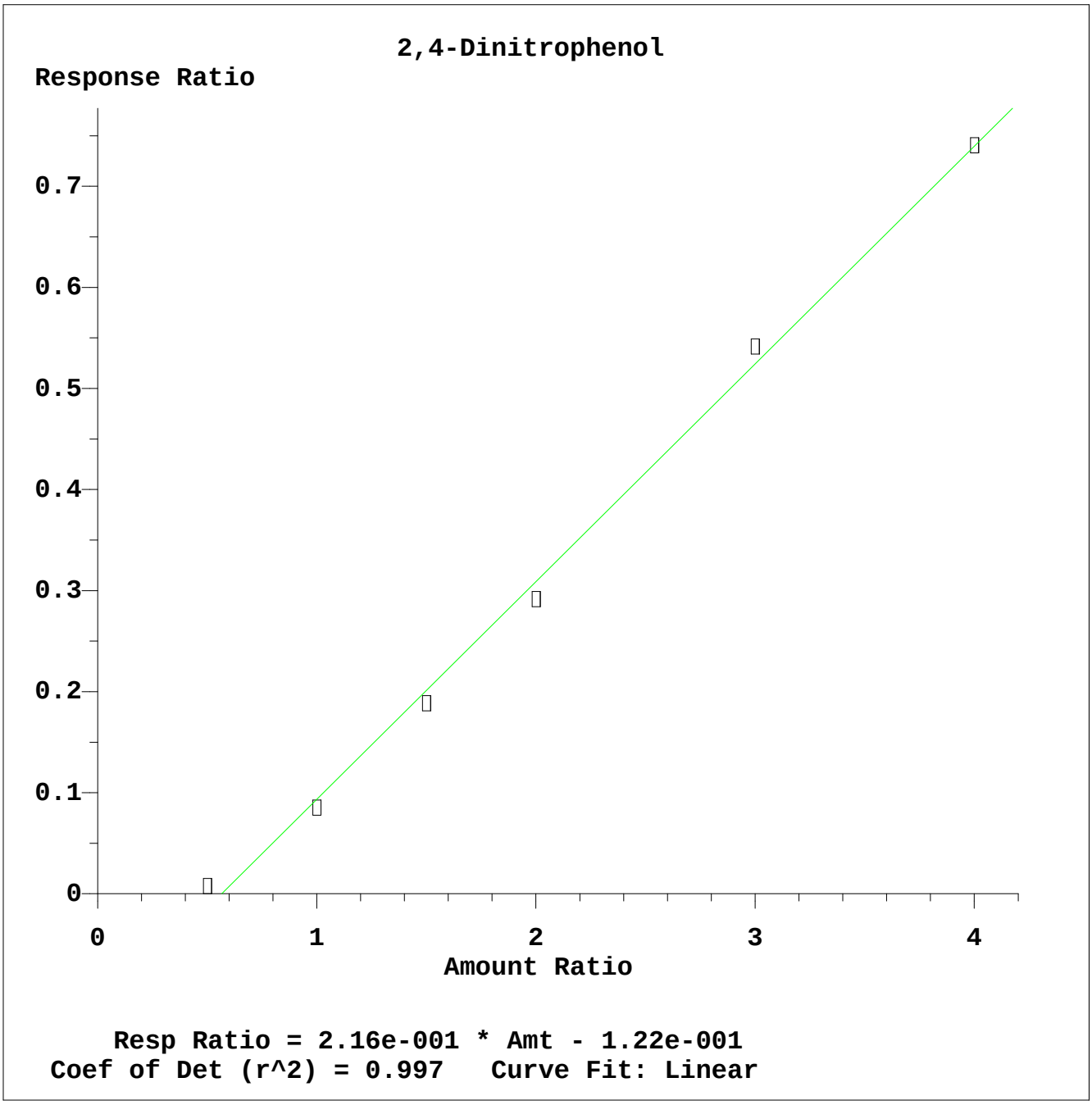
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



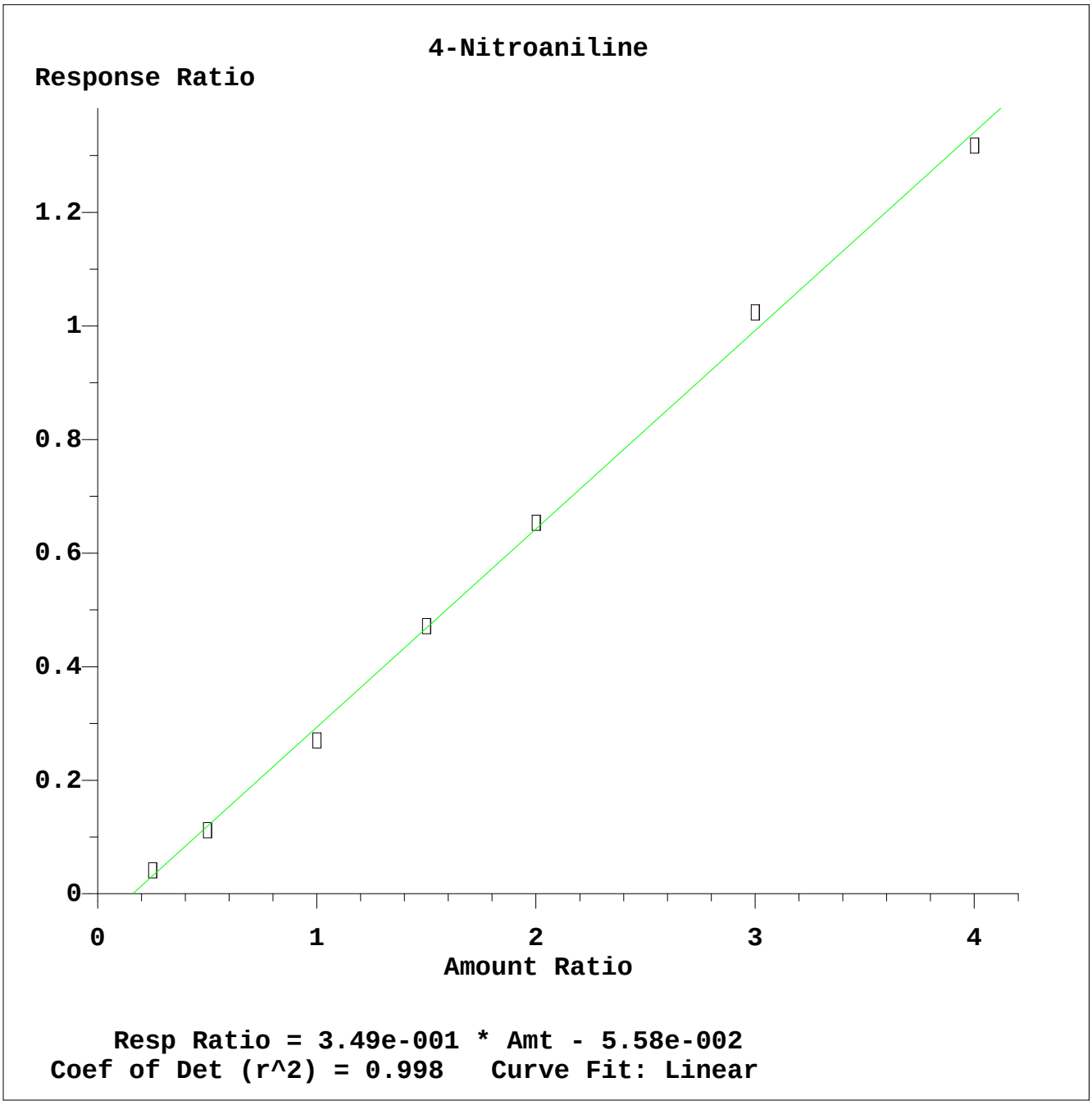
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



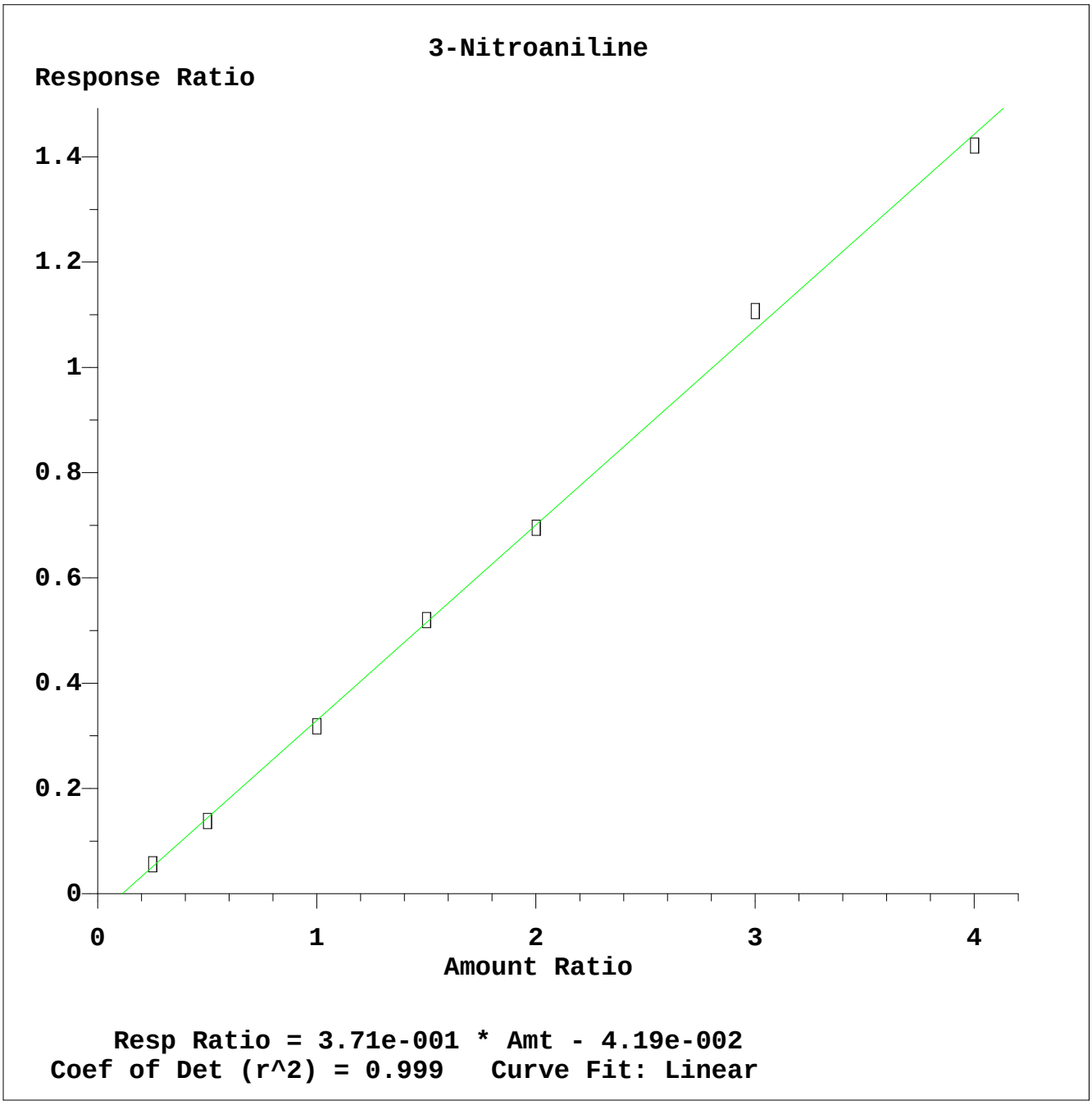
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



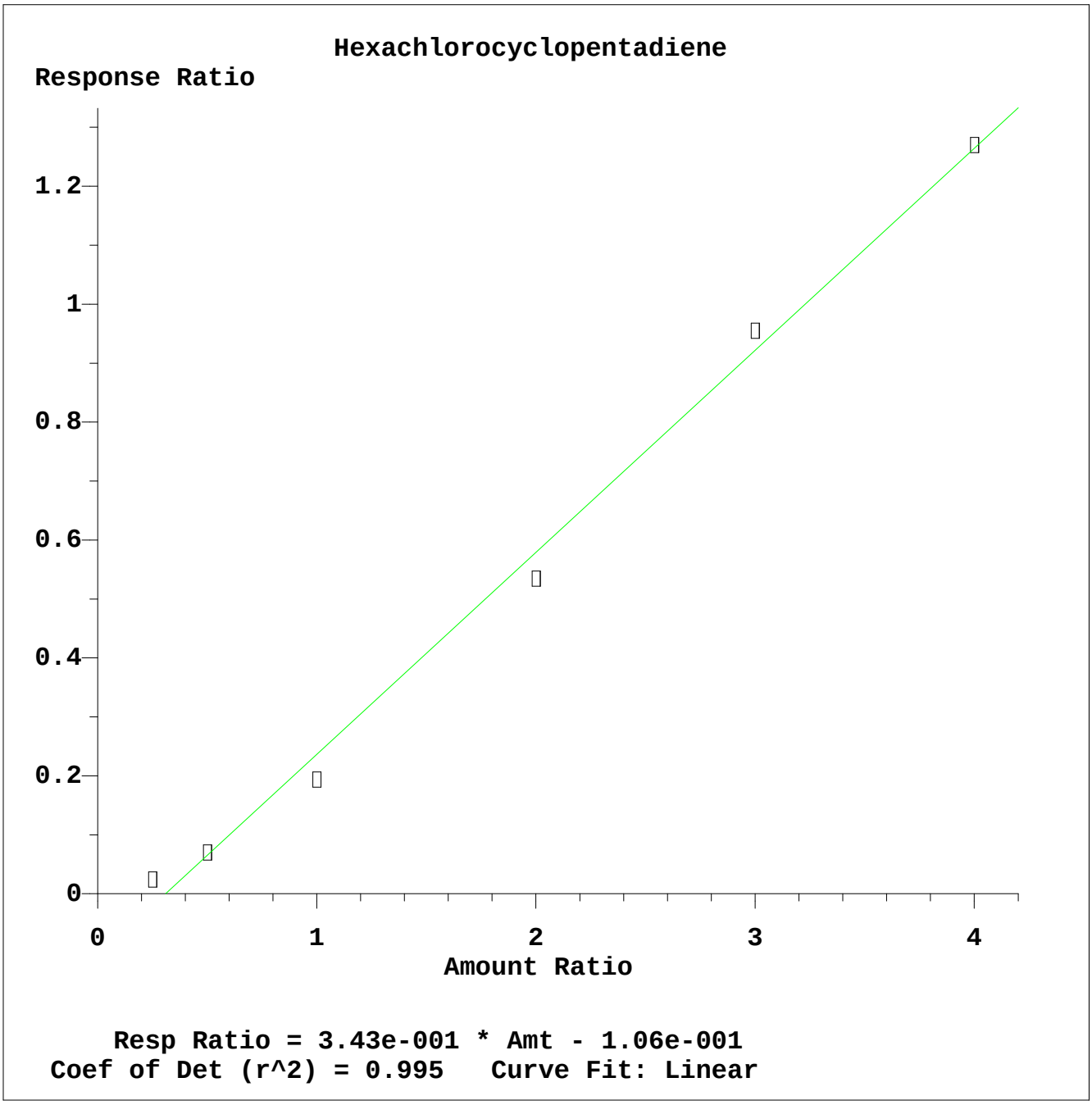
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



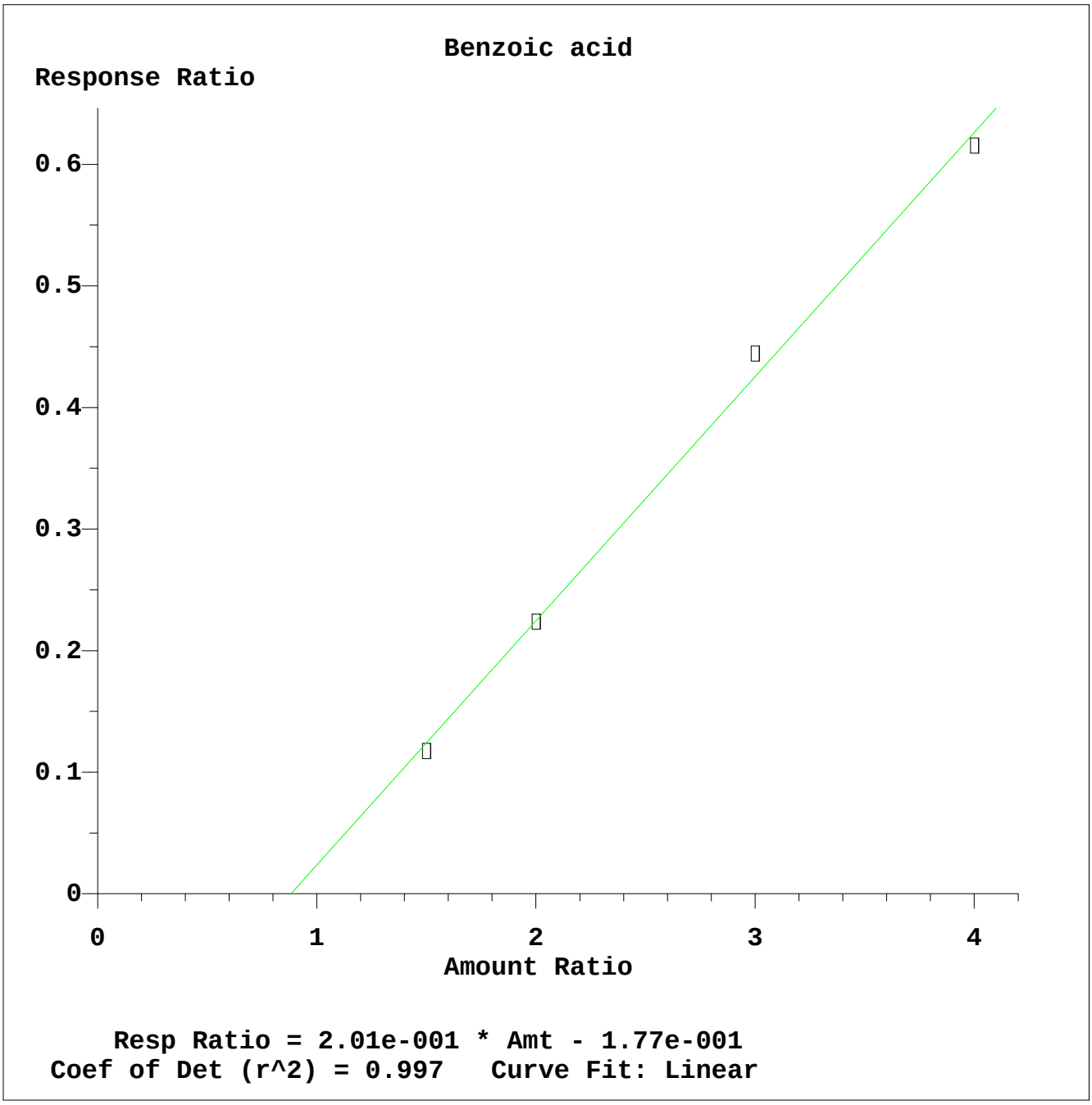
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



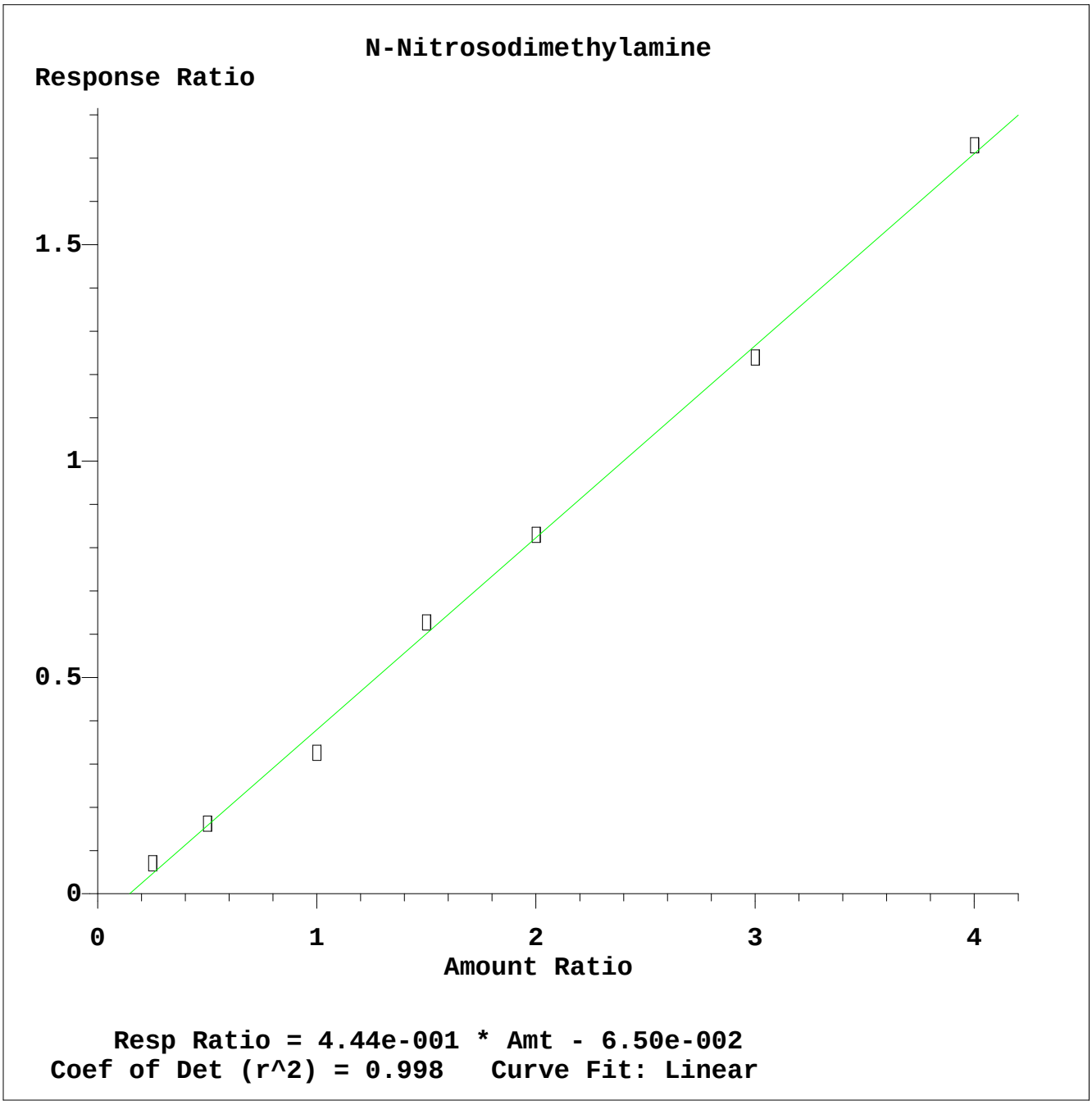
Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004



Method Name: C:\MSDCHEM\1\METHODS\B070104.M
Calibration Table Last Updated: Fri Jul 02 12:07:47 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:26:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	72836	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	281696	40.00	ng	0.00
45) Acenaphthene-d10	7.83	164	173590	40.00	ng	-0.01
73) Phenanthrene-d10	10.51	188	316283	40.00	ng	-0.01
92) Chrysene-d12	15.98	240	303159	40.00	ng	-0.01
105) Perylene-d12	19.26	264	282204	40.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	2.88	112	14499m	7.79	ng	0.04
Spiked Amount 100.000	Range 21 - 110		Recovery = 7.79%#			
9) Phenol-d5	3.98	99	25622	8.52	ng	0.03
Spiked Amount 100.000	Range 10 - 110		Recovery = 8.52%#			
24) Nitrobenzene-d5	4.70	82	31473	9.49	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 18.98%#			
50) 2-Fluorobiphenyl	6.81	172	61199	9.64	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 19.28%#			
72) 2,4,6-Tribromophenol	9.26	330	9089	8.73	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 8.73%#			
94) 4-Terphenyl-d14	13.87	244	73555	9.92	ng	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 19.84%#			

Target Compounds							Qvalue
2) Pyridine	0.90	79	17239	8.61	ng	#	92
3) 2-Picoline	1.78	93	13447m	8.22	ng		
4) Methyl methanesulfonate	2.59	80	11350	8.20	ng	#	73
6) Ethyl methanesulfonate	3.45	79	14749m	8.68	ng		
7) Benzaldehyde	3.69	105	11869	11.69	ng		97
8) Aniline	3.85	66	11999	8.67	ng		97
10) Phenol	3.99	94	26837	9.47	ng		92
11) Bis(2-chloroethyl)ether	3.92	63	15970	8.90	ng		99
12) 2-Chlorophenol	3.99	128	23079	9.42	ng		95
13) 1,3-Dichlorobenzene	4.07	146	27034	9.72	ng		99
14) 1,4-Dichlorobenzene	4.12	146	29629	10.04	ng		98
15) 1,2-Dichlorobenzene	4.31	146	27170	9.75	ng		99
16) Benzyl alcohol	4.34	108	11746	8.07	ng		98
17) Bis(2-chloroisopropyl)ethe	4.45	45	44659	9.98	ng		95
18) 2-Methylphenol	4.52	107	19913	9.69	ng	#	91

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:26:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	4.67	107	47099	18.31	ng		95
20)	N-Nitrosodi-n-propylamine	4.58	70	21810	9.67	ng	#	93
21)	N-Nitrosodimethylamine	0.91	42	5123	12.19	ng	#	98
22)	Hexachloroethane	4.59	117	13539	10.12	ng		93
25)	Acetophenone	4.55	105	70359	18.59	ng		97
26)	Nitrobenzene	4.71	77	35740	10.06	ng		93
27)	N-Nitrosopiperidine	4.86	114	11041	9.10	ng	#	88
28)	Isophorone	4.94	82	56325	10.06	ng		96
29)	2-Nitrophenol	5.05	139	11442	8.38	ng		98
30)	2,4-Dimethylphenol	5.16	122	20519	9.26	ng		98
31)	Bis(2-chloroethoxy)methane	5.21	93	27217	9.56	ng	#	89
32)	2,4-Dichlorophenol	5.37	162	20475	9.36	ng		89
33)	1,2,4-Trichlorobenzene	5.37	180	25223	9.63	ng		98
34)	Naphthalene	5.43	128	80022	9.80	ng		99
35)	Benzoic acid	0.00	122	0	N.D.	d		
36)	2,6-Dichlorophenol	5.57	162	21630	9.52	ng		96
37)	4-Chloroaniline	5.57	127	22274	8.03	ng		98
38)	Hexachlorobutadiene	5.64	225	16168	9.53	ng		99
39)	a,a-Dimethylphenethylamine	5.96	58	58459m	8.26	ng		
40)	Caprolactam	5.96	55	14114m	8.64	ng		
41)	4-Chloro-3-methylphenol	6.23	107	22525	9.16	ng	#	76
42)	N-Nitrosodi-n-butylamine	5.97	84	24424	9.52	ng		96
43)	2-Methylnaphthalene	6.27	142	60501	10.55	ng		92
44)	1-Methylnaphthalene	6.41	142	52553	9.97	ng		98
46)	1,2,4,5-Tetrachlorobenzene	6.55	216	26973	9.65	ng		98
47)	Hexachlorocyclopentadiene	6.58	237	4144	15.92	ng	#	32
48)	2,4,6-Trichlorophenol	6.74	196	15649	9.14	ng		96
49)	2,4,5-Trichlorophenol	6.87	196	16235	9.03	ng	#	85
51)	Biphenyl	6.94	154	73924	9.38	ng		99
52)	2-Chloronaphthalene	6.94	162	49321	8.75	ng		98
53)	1-Chloronaphthalene	6.98	162	56232	10.69	ng		96
54)	2-Nitroaniline	7.21	65	16119	8.24	ng		97
55)	3-Nitroaniline	7.89	138	9682m	10.52	ng		
56)	Pentachlorobenzene	8.20	250	24507	9.69	ng		97
57)	4-Nitroaniline	8.98	138	7172	10.74	ng	#	80
58)	2-Naphthylamine	8.32	143	40932	9.00	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:26:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.46	143	36603	9.11 ng	#	93
60)	Dimethyl phthalate	7.52	163	60341	9.59 ng	#	93
61)	Acenaphthylene	7.58	152	76931	9.62 ng		99
62)	2,6-Dinitrotoluene	7.63	165	11900	8.85 ng		99
63)	Acenaphthene	7.88	154	51764	9.56 ng		100
64)	2,4-Dinitrophenol	0.00	184	0	N.D.		
65)	Dibenzofuran	8.16	168	73925	9.64 ng		96
66)	4-Nitrophenol	8.75	65	10020	10.55 ng	#	34
67)	2,4-Dinitrotoluene	8.29	165	15475	8.35 ng		96
68)	2,3,4,6-Tetrachlorophenol	8.51	232	12302	8.23 ng	#	85
69)	Diethyl phthalate	8.75	149	66369	9.31 ng		98
70)	Fluorene	8.76	166	63865	9.30 ng		100
71)	4-Chlorophenyl phenyl ethe	8.81	204	31413	9.62 ng		99
74)	4,6-Dinitro-2-methylphenol	9.01	198	6289	13.32 ng	#	18
75)	Azobenzene	9.08	77	74710	8.86 ng		84
76)	1,2-Diphenylhydrazine	9.08	182	16948	9.61 ng	#	72
77)	Diphenylamine	9.04	170	11378	9.14 ng	#	89
78)	N-Nitrosodiphenylamine	9.05	168	60461	9.52 ng		97
79)	4-Bromophenyl phenyl ether	9.70	248	18217	9.75 ng		98
80)	Phenacetin	9.79	108	23137	7.58 ng		96
81)	Hexachlorobenzene	9.93	284	19954	10.06 ng		97
82)	Atrazine	10.19	200	17461	9.54 ng		98
83)	4-Aminobiphenyl	10.23	169	45358	8.77 ng		96
84)	Pentachlorophenol	0.00	266	0	N.D.		
85)	Pentachloronitrobenzene	10.46	237	9485	9.19 ng		97
86)	Pronamide	10.50	173	27724	9.24 ng		99
87)	Phenanthrene	10.55	178	94304	9.98 ng		99
88)	Anthracene	10.64	178	95164	10.03 ng		97
89)	Carbazole	11.05	167	82267	9.44 ng		97
90)	Di-n-butyl phthalate	11.98	149	100340	9.08 ng		99
91)	Fluoranthene	12.96	202	100672	9.28 ng		99
93)	Pyrene	13.41	202	104487	10.16 ng		99
95)	Benzidine	13.38	184	32696	6.47 ng	#	76
96)	Dimethylaminoazobenzene	14.22	225	19263	9.17 ng		97
97)	Butyl benzyl phthalate	15.06	149	45616	9.53 ng		100
98)	Benz(a)anthracene	15.94	228	99980	9.69 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:26:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

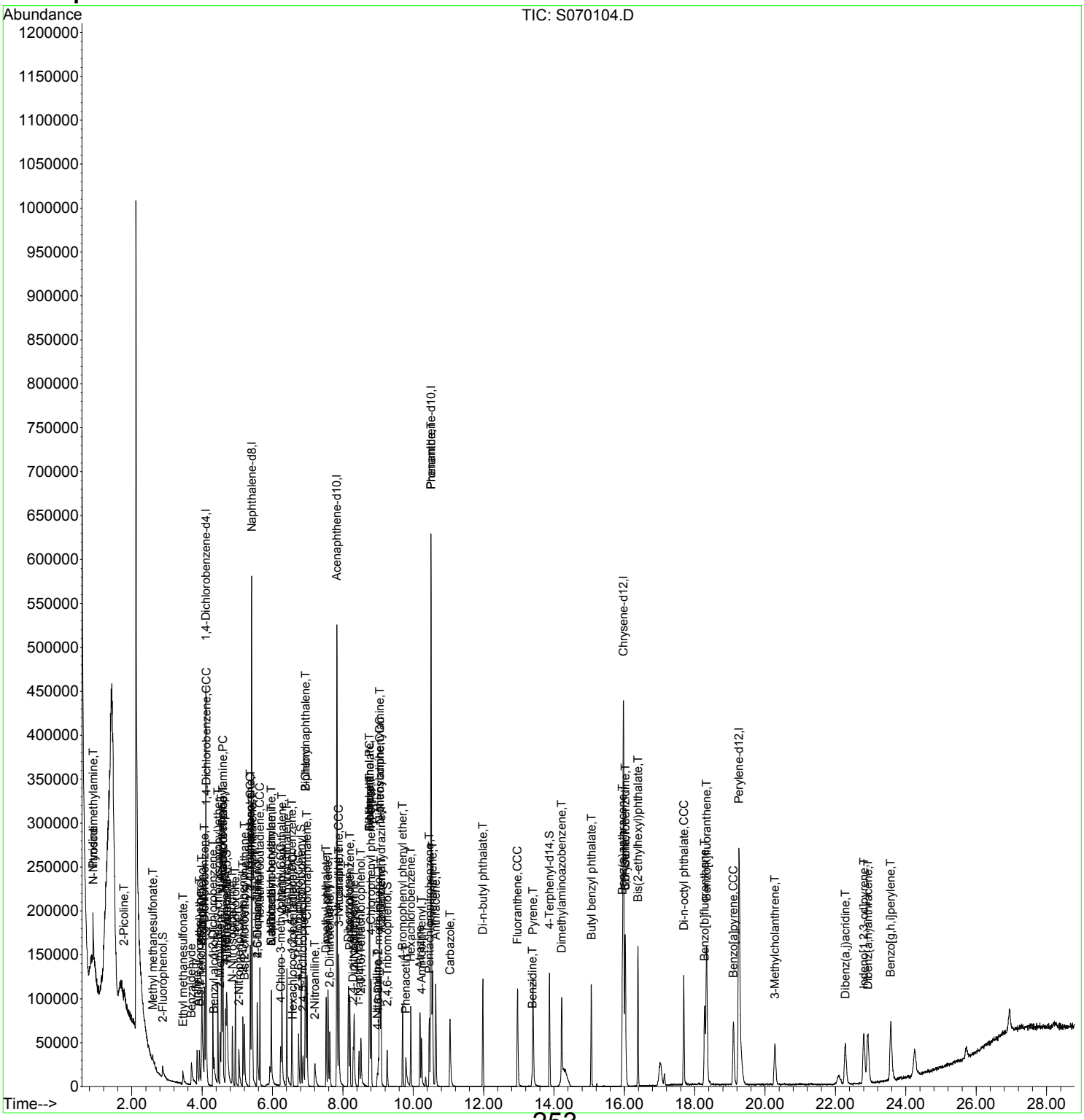
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.02	252	34106	9.21	ng		99
100)	Chrysene	16.03	228	100506	9.86	ng		98
101)	Bis(2-ethylhexyl)phthalate	16.39	149	63564	9.41	ng		100
102)	Di-n-octyl phthalate	17.69	149	105003	8.95	ng	#	94
103)	3-Methylcholanthrene	20.28	268	46469	8.98	ng		90
104)	Indeno[1,2,3-cd]pyrene	22.81	276	103254	8.53	ng	#	99
106)	Benzo[b]fluoranthene	18.28	252	98338	9.08	ng		98
107)	Benzo[k]fluoranthene	18.34	252	103895	9.96	ng		99
108)	Benzo[a]pyrene	19.10	252	92593	9.28	ng		98
109)	Dibenz(a,j)acridine	22.29	279	89852	8.86	ng		98
110)	Dibenz(a,h)anthracene	22.93	278	102105	9.09	ng		99
111)	Benzo[g,h,i]perylene	23.57	276	115252	9.11	ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: B070104.RES

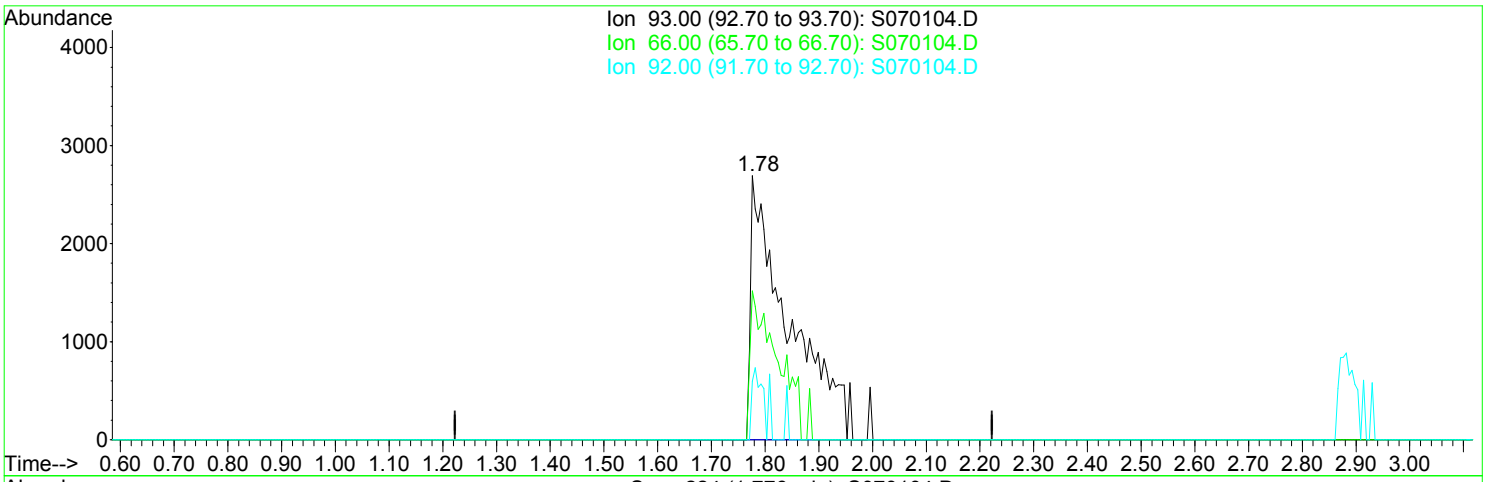
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

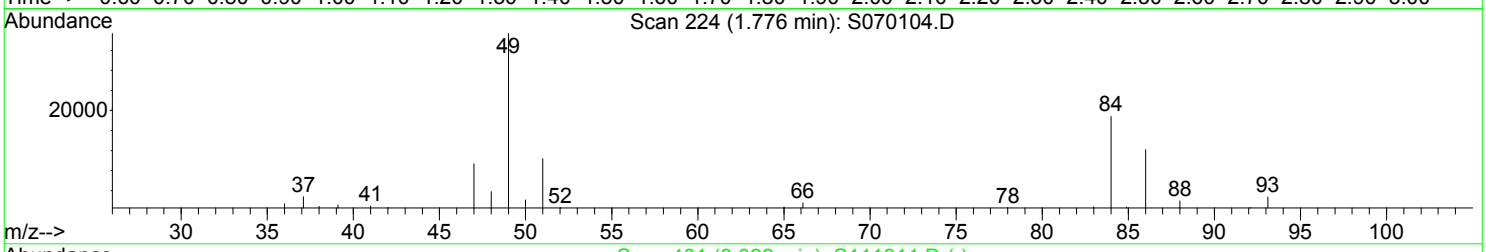


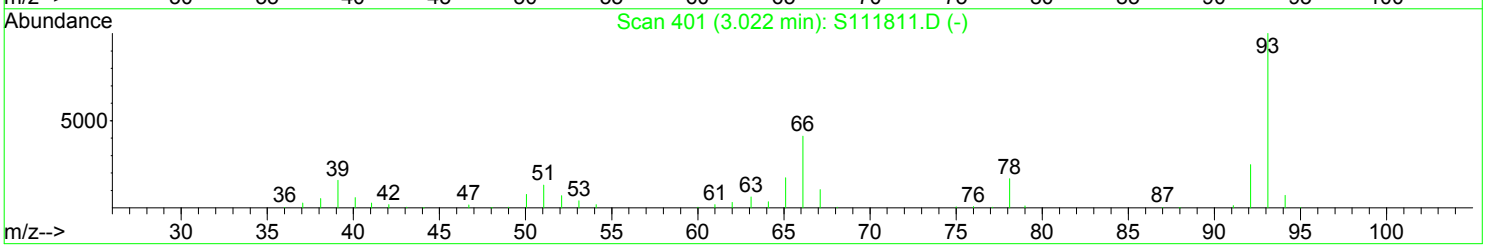
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070104.D

(3) 2-Picoline (T)

1.78min 8.22ng m

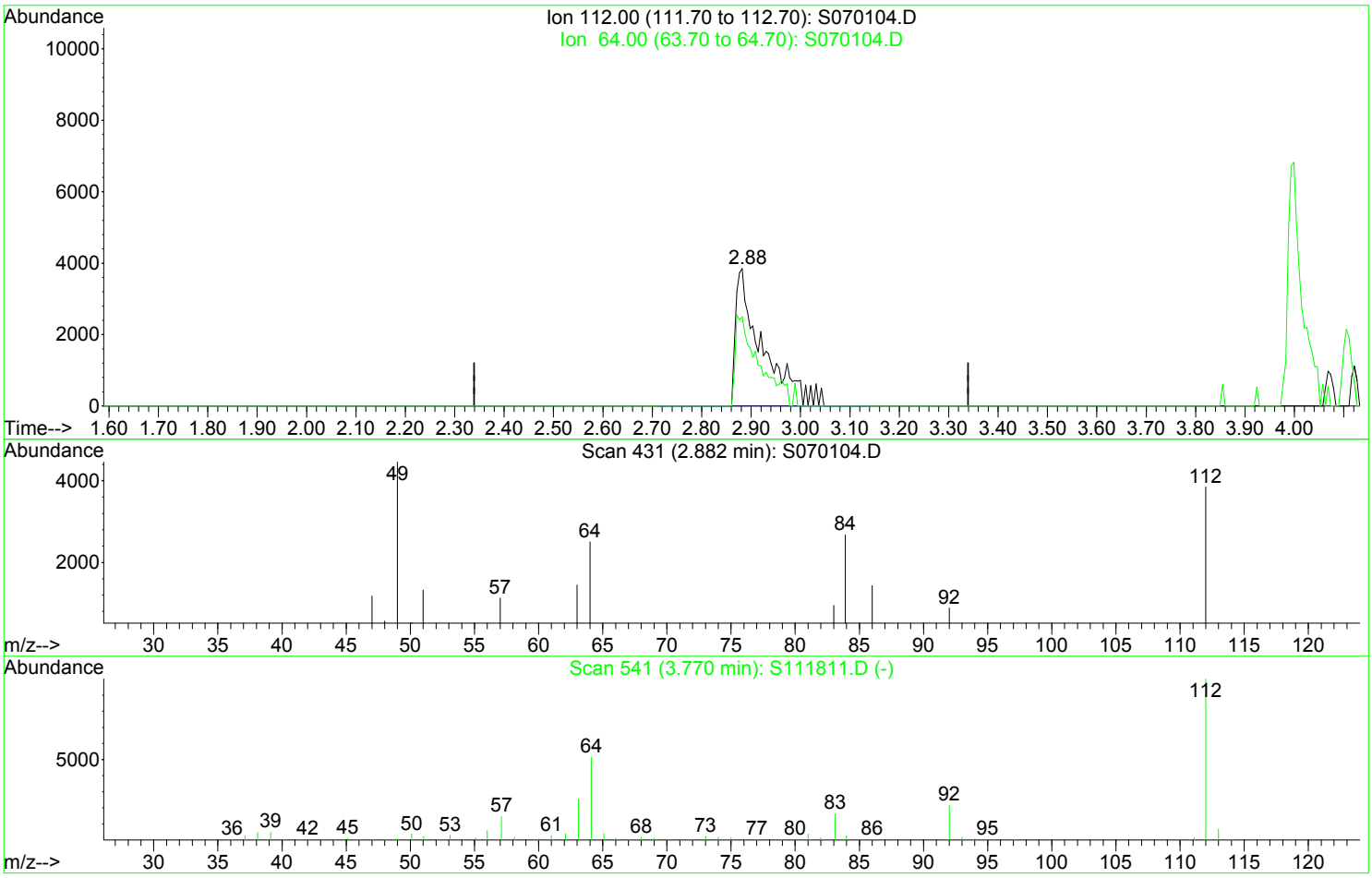
response 13447

Ion	Exp%	Act%
93.00	100	100
66.00	49.50	31.57
92.00	24.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070104.D

(5) 2-Fluorophenol (S)

2.88min 7.79ng m

response 14499

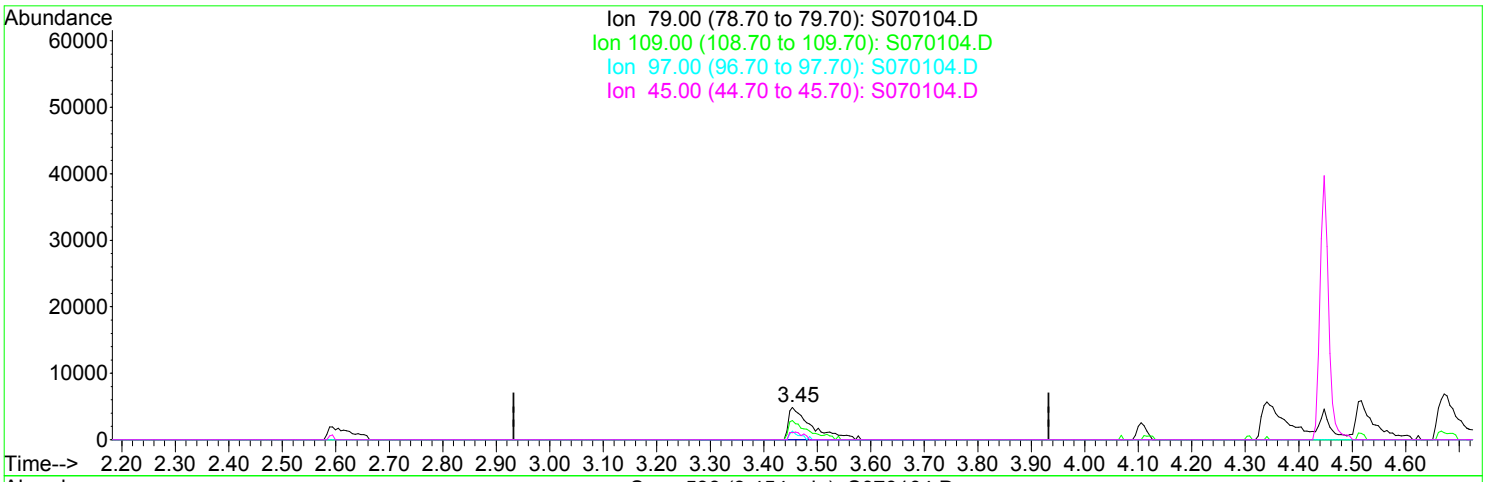
Ion	Exp%	Act%
112.00	100	100
64.00	65.80	53.99
0.00	0.00	0.00
0.00	0.00	0.00

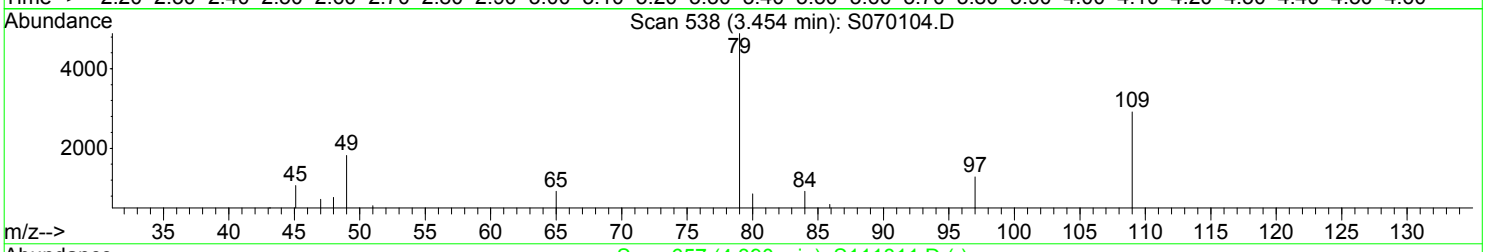
S070104.D B070104.M Fri Jul 02 12:21:27 2004

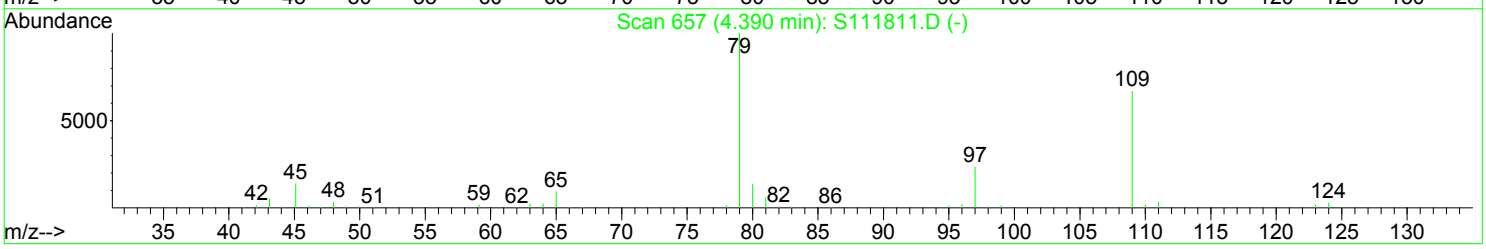
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070104.D

(6) Ethyl methanesulfonate (T)

3.45min 8.68ng m

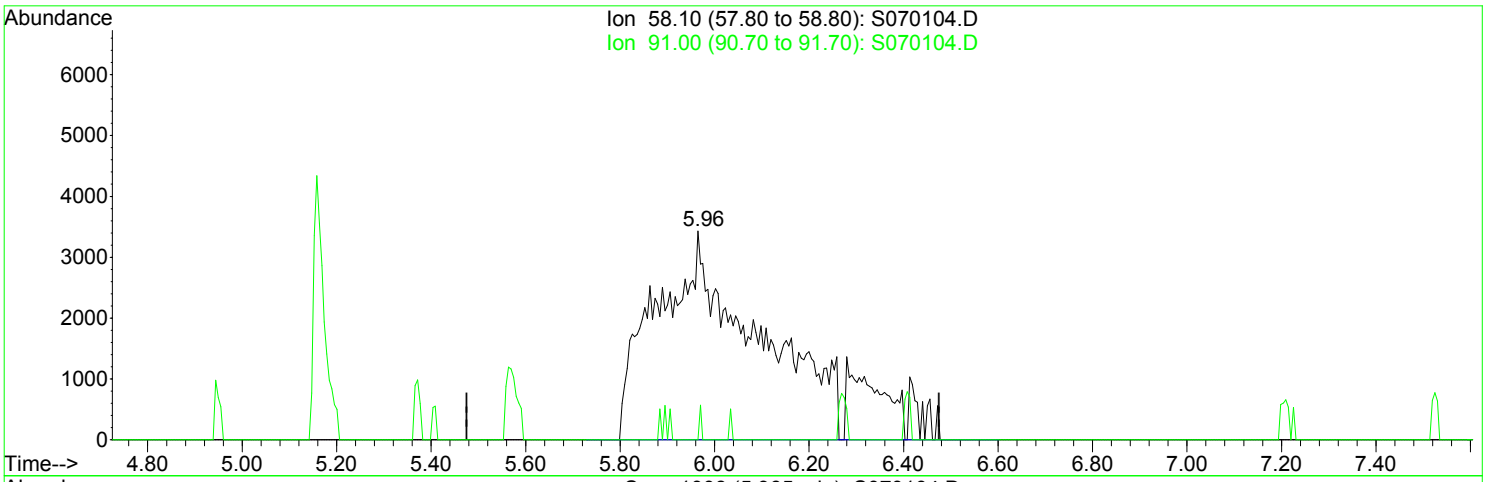
response 14749

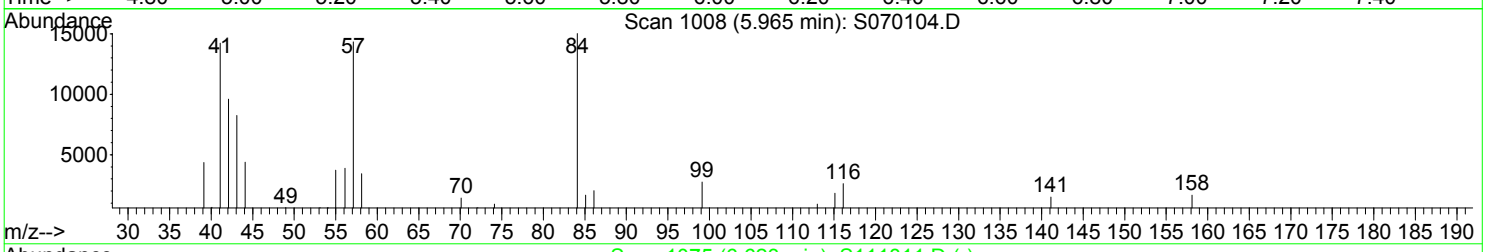
Ion	Exp%	Act%
79.00	100	100
109.00	55.80	46.69
97.00	18.50	0.00
45.00	21.10	0.00#

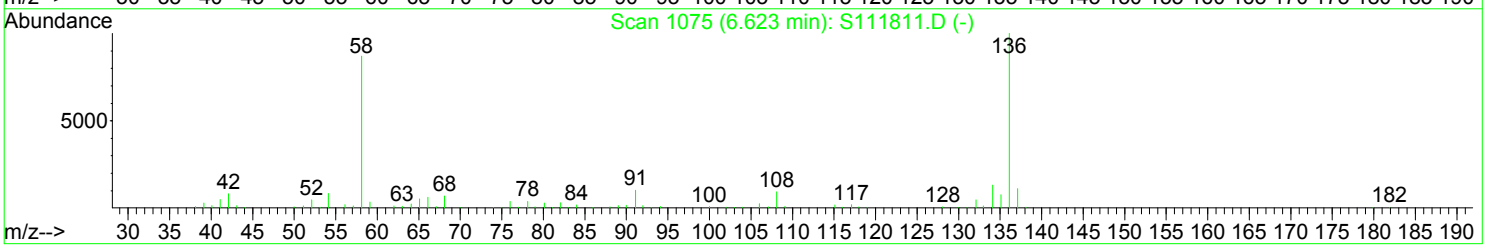
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070104.D

(39) a,a-Dimethylphenethylamine (T)

5.96min 8.26ng m

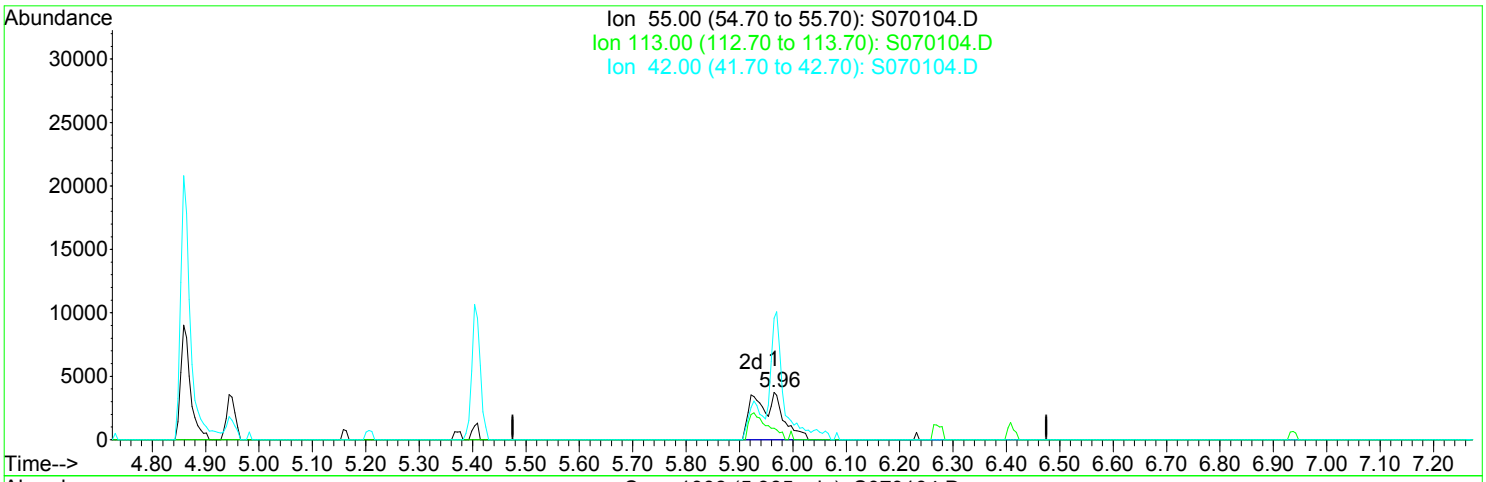
response 58459

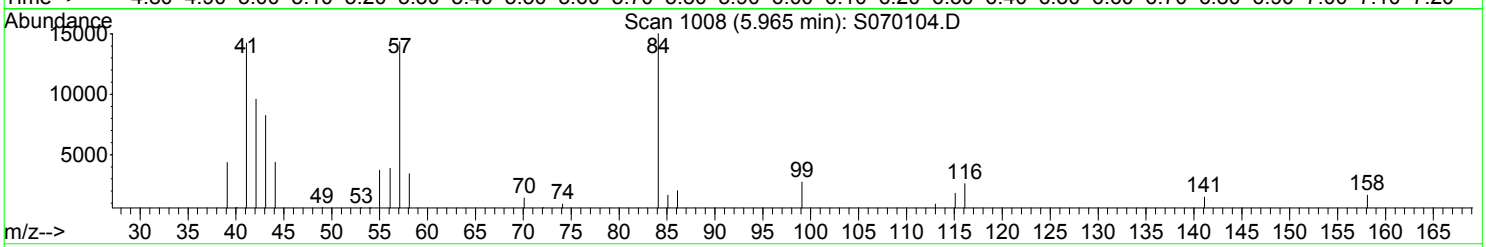
Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

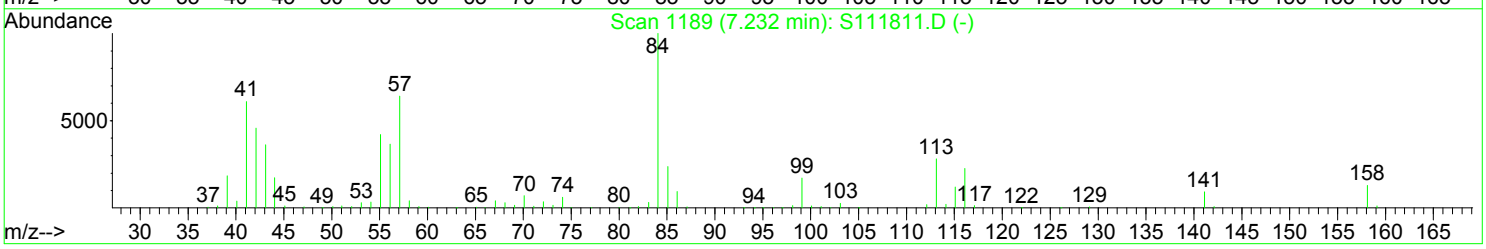
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D **Vial: 3**
Acq On : 1 Jul 2004 12:15 pm **Operator: YH**
Sample : BNA10 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070104.D

(40) Caprolactam

5.96min 8.64ng m

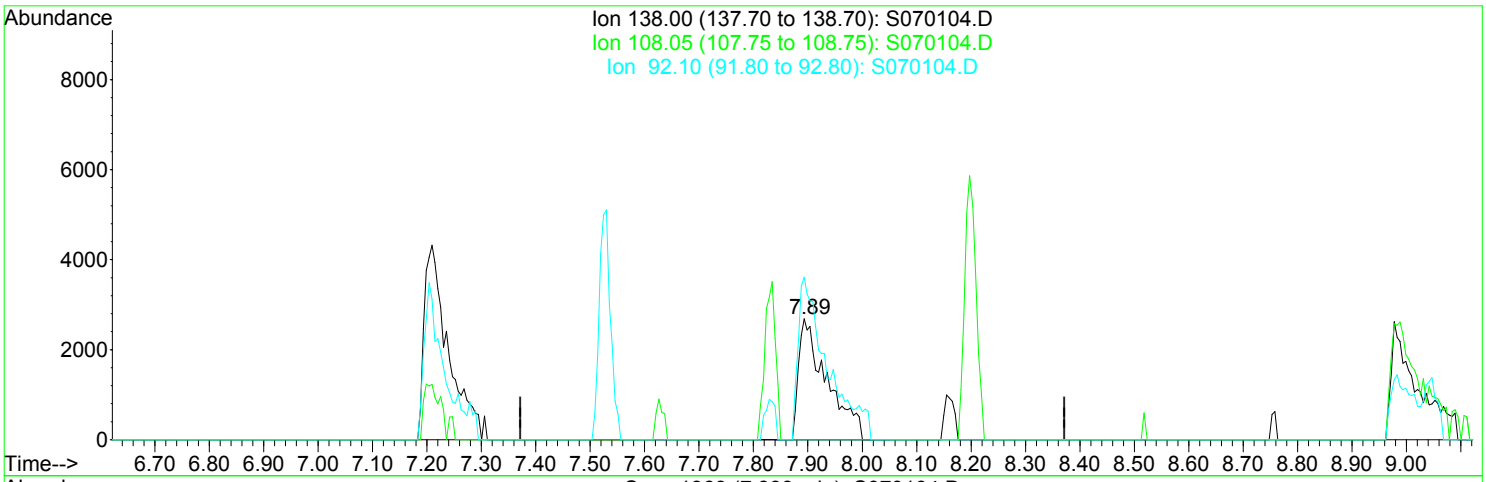
response 14114

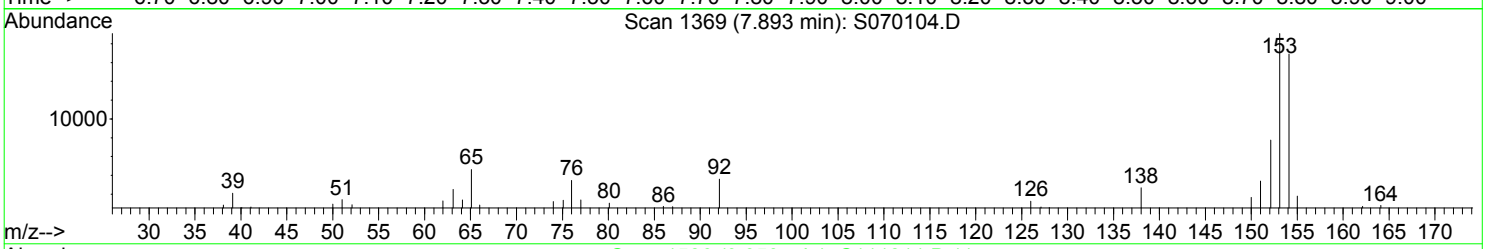
Ion	Exp%	Act%
55.00	100	100
113.00	47.40	0.00#
42.00	129.70	101.57#
0.00	0.00	0.00

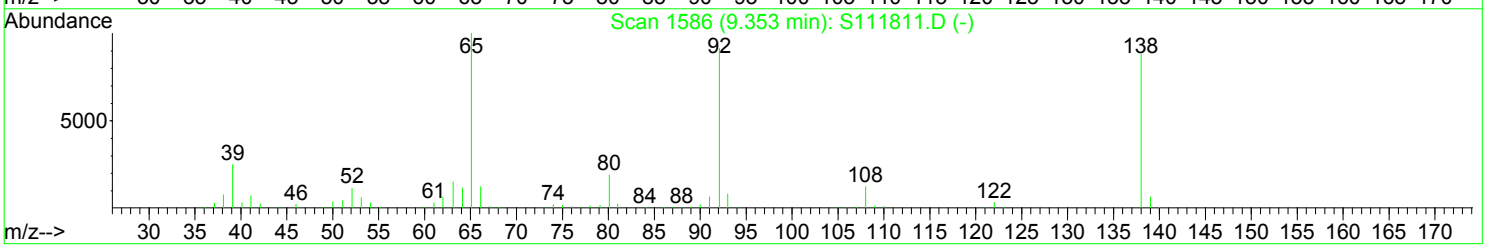
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070104.D Vial: 3
Acq On : 1 Jul 2004 12:15 pm Operator: YH
Sample : BNA10 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070104.D

(55) 3-Nitroaniline (T)

7.89min 10.52ng m

response 9682

Ion	Exp%	Act%
138.00	100	100
108.05	10.90	0.00#
92.10	127.80	127.89
0.00	0.00	0.00

S070104.D B070104.M Fri Jul 02 12:22:32 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:29:44 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	66254	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	252280	40.00	ng	0.00
45) Acenaphthene-d10	7.83	164	149041	40.00	ng	0.00
73) Phenanthrene-d10	10.51	188	269383	40.00	ng	0.00
92) Chrysene-d12	15.98	240	273537	40.00	ng	-0.01
105) Perylene-d12	19.27	264	273528	40.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	2.86	112	31925m	18.85	ng	0.02
Spiked Amount 100.000	Range 21 - 110		Recovery = 18.85%#			
9) Phenol-d5	3.97	99	51389	18.79	ng	0.02
Spiked Amount 100.000	Range 10 - 110		Recovery = 18.79%			
24) Nitrobenzene-d5	4.69	82	57593	19.38	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 38.76%			
50) 2-Fluorobiphenyl	6.81	172	109038	20.01	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 40.02%#			
72) 2,4,6-Tribromophenol	9.26	330	16434	18.38	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 18.38%			
94) 4-Terphenyl-d14	13.88	244	132791	19.84	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 39.68%			

Target Compounds							Qvalue
2) Pyridine	0.89	79	38626	21.20	ng	#	89
3) 2-Picoline	1.74	93	28367m	19.06	ng		
4) Methyl methanesulfonate	2.58	80	24461m	19.42	ng		
6) Ethyl methanesulfonate	3.44	79	30852m	19.96	ng		
7) Benzaldehyde	3.69	105	23410	25.35	ng		92
8) Aniline	3.85	66	25153	19.99	ng		93
10) Phenol	3.98	94	47963	18.60	ng		94
11) Bis(2-chloroethyl)ether	3.92	63	30428	18.64	ng		99
12) 2-Chlorophenol	3.99	128	42893	19.25	ng		91
13) 1,3-Dichlorobenzene	4.07	146	48954	19.35	ng		98
14) 1,4-Dichlorobenzene	4.12	146	51323	19.12	ng		97
15) 1,2-Dichlorobenzene	4.30	146	50249	19.83	ng		99
16) Benzyl alcohol	4.33	108	24472	18.48	ng		93
17) Bis(2-chloroisopropyl)ethe	4.45	45	81703	20.07	ng		98
18) 2-Methylphenol	4.51	107	37807	20.22	ng	#	92

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:29:44 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	4-Methylphenol	4.66	107	91270	39.00 ng		96
20)	N-Nitrosodi-n-propylamine	4.58	70	38632	18.83 ng	#	90
21)	N-Nitrosodimethylamine	0.90	42	10735	20.46 ng	#	88
22)	Hexachloroethane	4.59	117	23719	19.48 ng		99
25)	Acetophenone	4.54	105	129369	38.16 ng		99
26)	Nitrobenzene	4.71	77	64657	20.32 ng		95
27)	N-Nitrosopiperidine	4.86	114	20766	19.11 ng		93
28)	Isophorone	4.95	82	97663	19.47 ng		98
29)	2-Nitrophenol	5.05	139	23271	19.04 ng		98
30)	2,4-Dimethylphenol	5.16	122	39475	19.90 ng		95
31)	Bis(2-chloroethoxy)methane	5.21	93	50350	19.75 ng		98
32)	2,4-Dichlorophenol	5.36	162	35344	18.03 ng		98
33)	1,2,4-Trichlorobenzene	5.37	180	46585	19.87 ng		99
34)	Naphthalene	5.43	128	144027	19.70 ng		100
35)	Benzoic acid	5.16	122	39475	39.32 ng	#	11
36)	2,6-Dichlorophenol	5.56	162	38194	18.76 ng		99
37)	4-Chloroaniline	5.56	127	45562	18.35 ng		98
38)	Hexachlorobutadiene	5.64	225	29718	19.55 ng		99
39)	a,a-Dimethylphenethylamine	5.97	58	109565m	17.29 ng		
40)	Caprolactam	5.93	55	26163m	17.88 ng		
41)	4-Chloro-3-methylphenol	6.23	107	41472	18.84 ng		85
42)	N-Nitrosodi-n-butylamine	5.97	84	40899	17.80 ng		87
43)	2-Methylnaphthalene	6.27	142	102953	20.05 ng		96
44)	1-Methylnaphthalene	6.41	142	92993	19.71 ng		99
46)	1,2,4,5-Tetrachlorobenzene	6.55	216	48011	20.01 ng		98
47)	Hexachlorocyclopentadiene	6.58	237	10411	21.28 ng	#	87
48)	2,4,6-Trichlorophenol	6.74	196	28770	19.57 ng		96
49)	2,4,5-Trichlorophenol	6.86	196	29341	19.01 ng		96
51)	Biphenyl	6.94	154	129722	19.17 ng		99
52)	2-Chloronaphthalene	6.94	162	93217	19.26 ng		98
53)	1-Chloronaphthalene	6.99	162	94218	20.85 ng		99
54)	2-Nitroaniline	7.20	65	29918	17.82 ng		99
55)	3-Nitroaniline	7.88	138	20554	19.37 ng	#	94
56)	Pentachlorobenzene	8.20	250	41793	19.25 ng		99
57)	4-Nitroaniline	8.97	138	16643	18.83 ng		90
58)	2-Naphthylamine	8.33	143	76875	19.69 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:29:44 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.46	143	68858	19.96 ng		98
60)	Dimethyl phthalate	7.53	163	105514	19.53 ng		98
61)	Acenaphthylene	7.58	152	135417	19.73 ng		99
62)	2,6-Dinitrotoluene	7.63	165	21795	18.88 ng		96
63)	Acenaphthene	7.88	154	90767	19.52 ng		98
64)	2,4-Dinitrophenol	8.10	184	1109m	24.09 ng		
65)	Dibenzofuran	8.16	168	130325	19.80 ng		97
66)	4-Nitrophenol	8.51	65	16096m	19.74 ng		
67)	2,4-Dinitrotoluene	8.29	165	27997	17.60 ng		92
68)	2,3,4,6-Tetrachlorophenol	8.51	232	22808	17.77 ng		98
69)	Diethyl phthalate	8.76	149	112992	18.46 ng		99
70)	Fluorene	8.76	166	111528	18.92 ng		100
71)	4-Chlorophenyl phenyl ethe	8.81	204	53049	18.92 ng		99
74)	4,6-Dinitro-2-methylphenol	9.02	198	14615	21.10 ng	#	1
75)	Azobenzene	9.08	77	129106	17.98 ng		88
76)	1,2-Diphenylhydrazine	9.09	182	29418	19.59 ng	#	71
77)	Diphenylamine	9.05	170	20689	19.52 ng		99
78)	N-Nitrosodiphenylamine	9.05	168	105297	19.47 ng		99
79)	4-Bromophenyl phenyl ether	9.70	248	31120	19.56 ng		98
80)	Phenacetin	9.79	108	44351	17.05 ng		97
81)	Hexachlorobenzene	9.93	284	34362	20.33 ng		99
82)	Atrazine	10.20	200	30062	19.28 ng		98
83)	4-Aminobiphenyl	10.24	169	87912	19.95 ng		98
84)	Pentachlorophenol	10.35	266	7835	20.99 ng		99
85)	Pentachloronitrobenzene	10.46	237	17309	19.68 ng		97
86)	Pronamide	10.51	173	48789	19.09 ng		98
87)	Phenanthrene	10.55	178	160085	19.89 ng		100
88)	Anthracene	10.64	178	161059	19.92 ng		99
89)	Carbazole	11.05	167	141570	19.08 ng		99
90)	Di-n-butyl phthalate	11.98	149	176464	18.74 ng		100
91)	Fluoranthene	12.97	202	174597	18.89 ng		100
93)	Pyrene	13.41	202	184836	19.92 ng		100
95)	Benzidine	13.38	184	52259	20.62 ng	#	93
96)	Dimethylaminoazobenzene	14.22	225	34798	18.35 ng		99
97)	Butyl benzyl phthalate	15.06	149	81722	18.93 ng		99
98)	Benz(a)anthracene	15.94	228	181249	19.46 ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:29:44 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

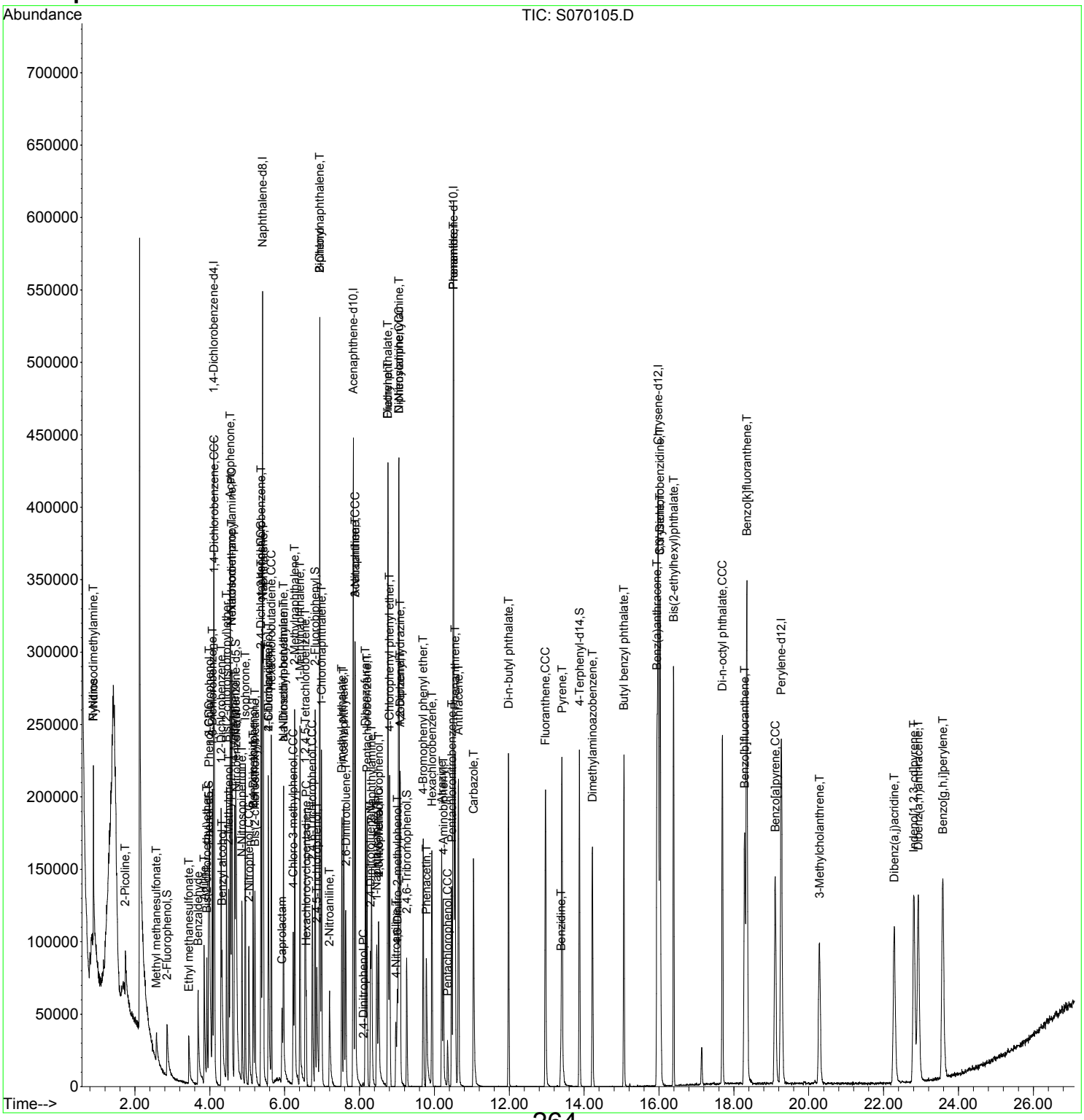
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.02	252	64962	19.45	ng		98
100)	Chrysene	16.03	228	181974	19.79	ng		99
101)	Bis(2-ethylhexyl)phthalate	16.39	149	114681	18.82	ng		99
102)	Di-n-octyl phthalate	17.70	149	203587	19.23	ng	#	98
103)	3-Methylcholanthrene	20.28	268	94660	20.27	ng		90
104)	Indeno[1,2,3-cd]pyrene	22.81	276	217023	19.87	ng	#	98
106)	Benzo[b]fluoranthene	18.28	252	189278	18.04	ng		99
107)	Benzo[k]fluoranthene	18.35	252	204174	20.19	ng		99
108)	Benzo[a]pyrene	19.11	252	187959	19.43	ng		99
109)	Dibenz(a,j)acridine	22.29	279	186748	18.99	ng		99
110)	Dibenz(a,h)anthracene	22.93	278	200797	18.44	ng		98
111)	Benzo[g,h,i]perylene	23.59	276	228841	18.66	ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: B070104.RES

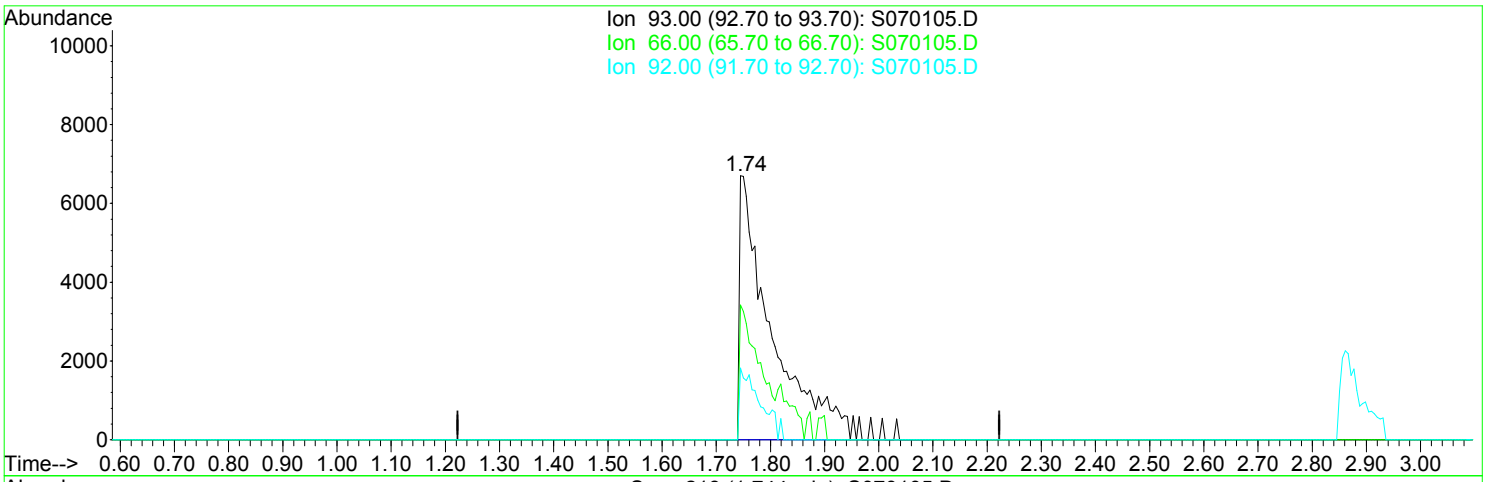
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

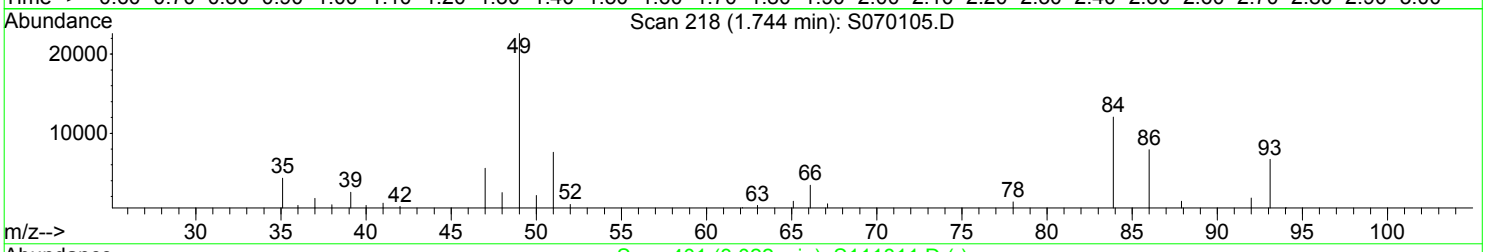


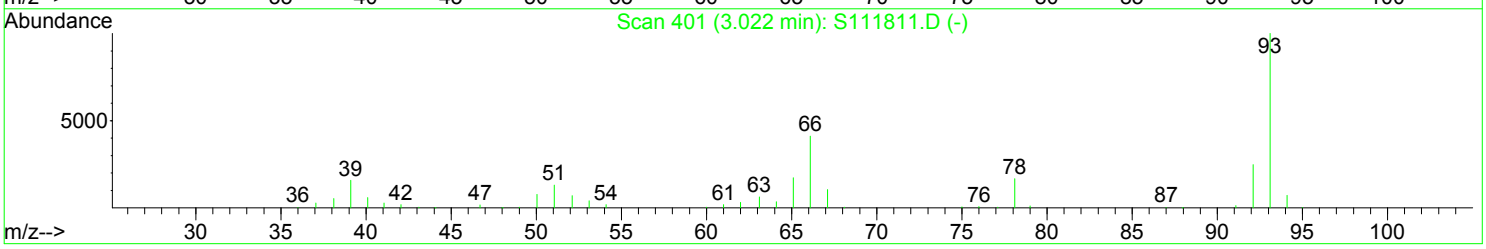
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(3) 2-Picoline (T)

1.74min 19.06ng m

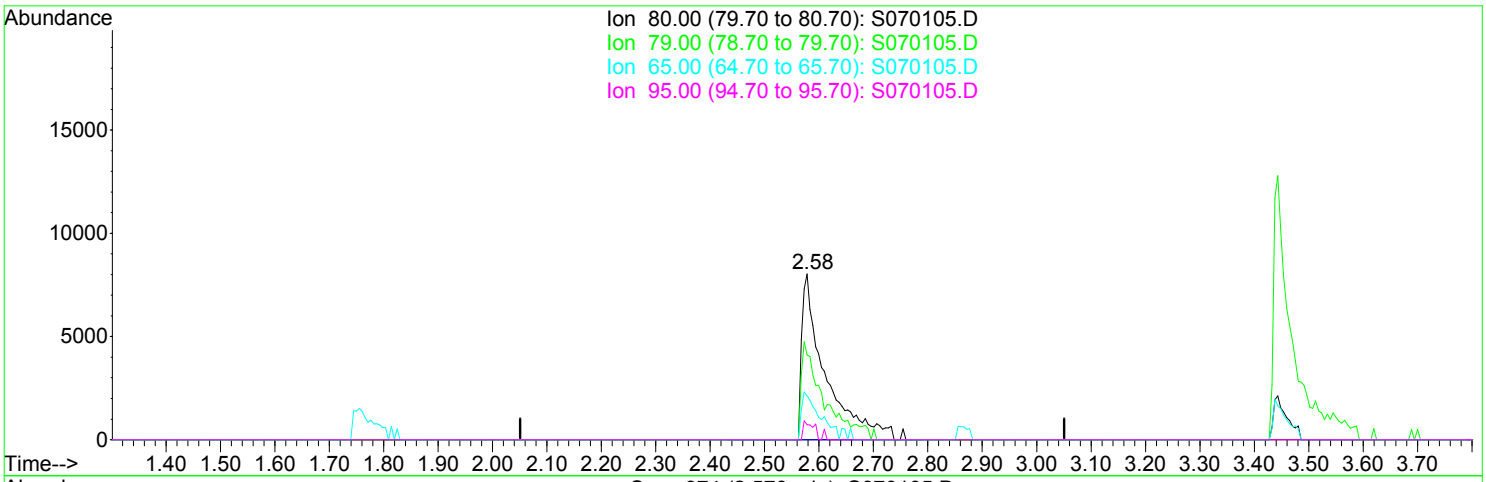
response 28367

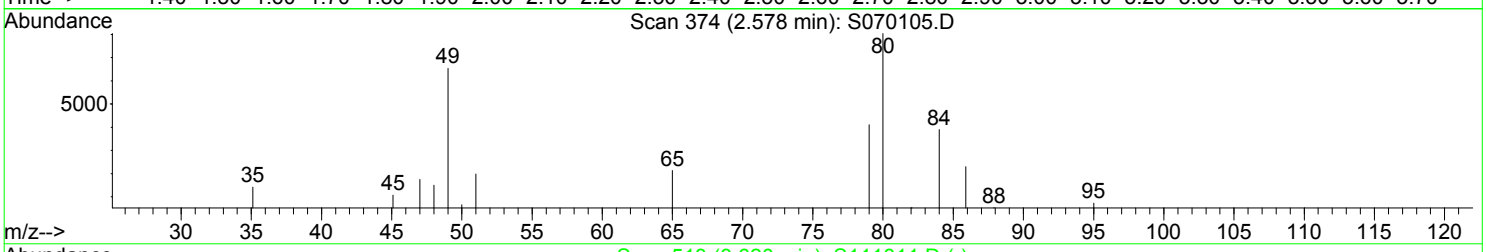
Ion	Exp%	Act%
93.00	100	100
66.00	49.50	30.79
92.00	24.30	16.97
0.00	0.00	0.00

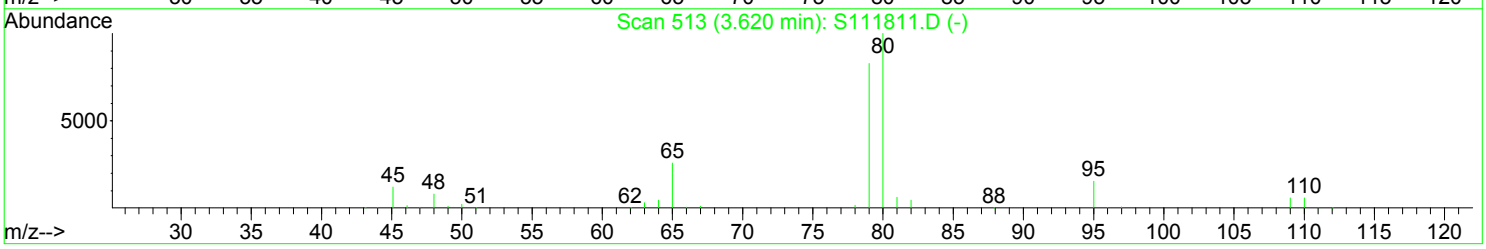
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(4) Methyl methanesulfonate (T)

2.58min 19.42ng m

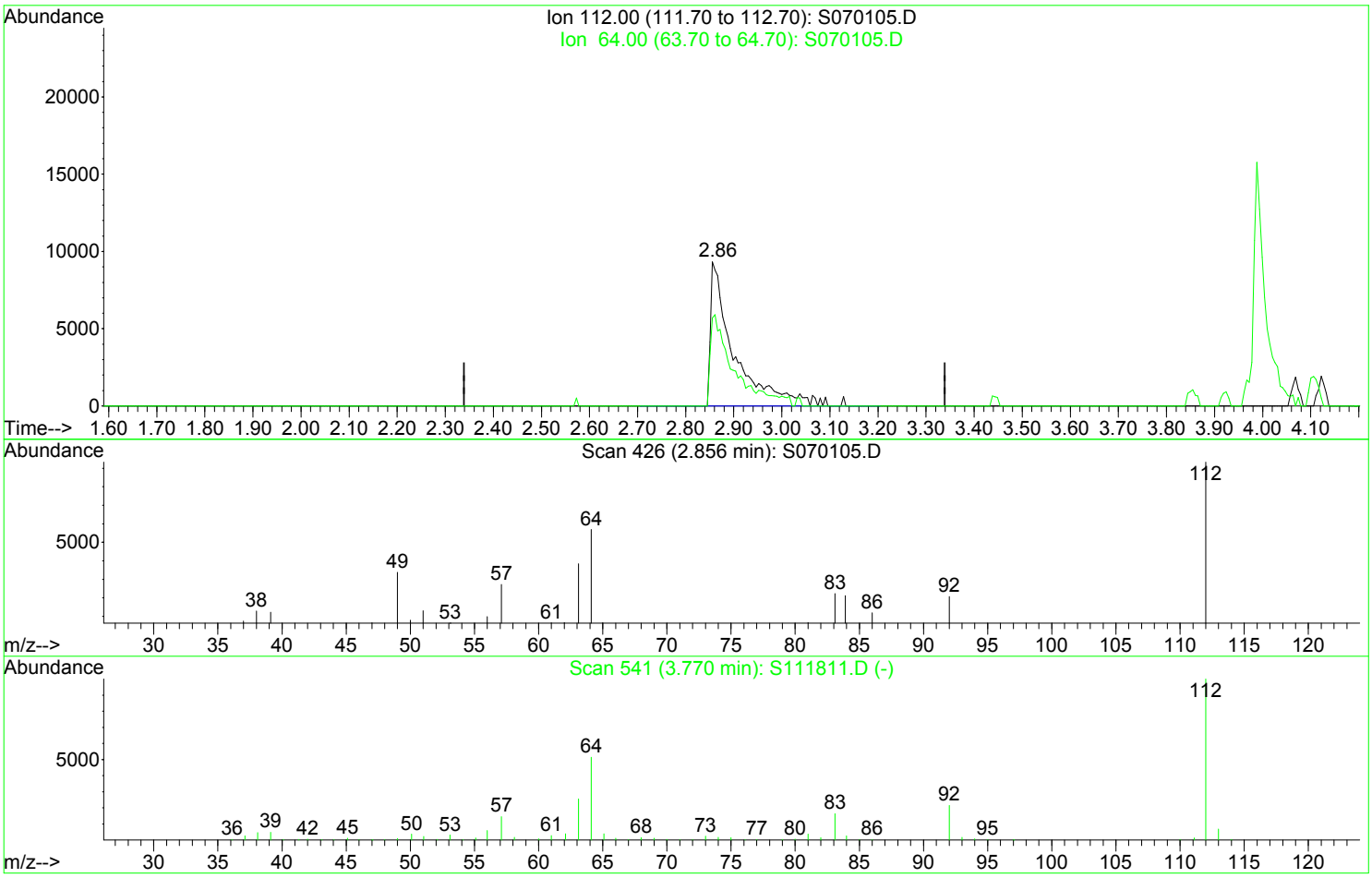
response 24461

Ion	Exp%	Act%
80.00	100	100
79.00	62.20	51.70
65.00	29.30	21.91
95.00	9.90	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070105.D

(5) 2-Fluorophenol (S)

2.86min 18.85ng m

response 31925

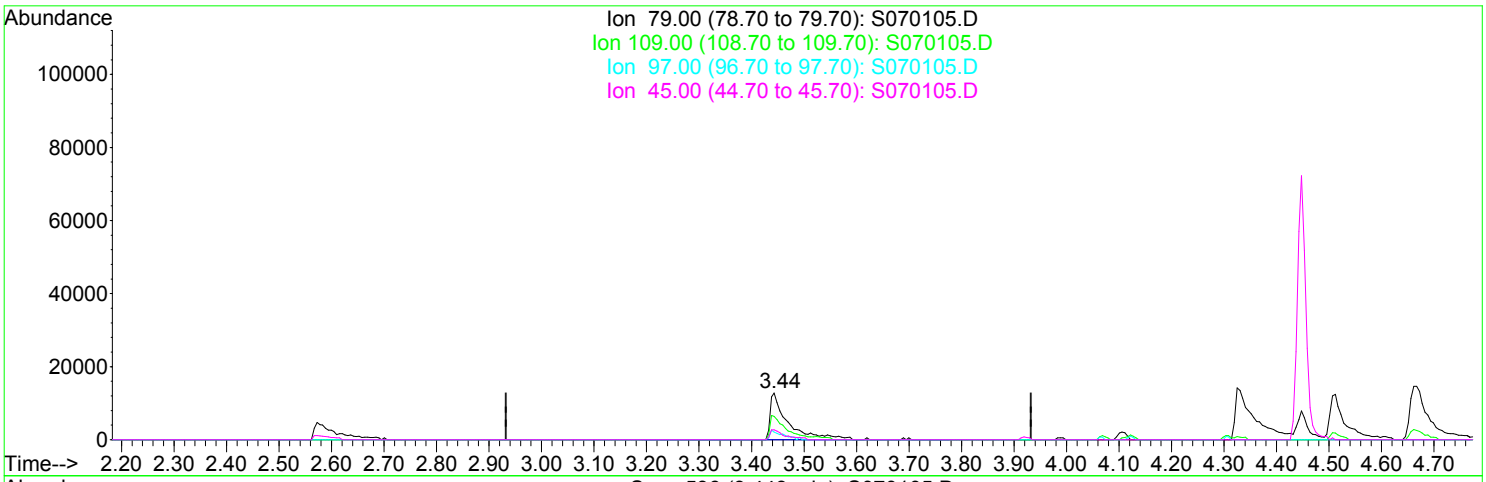
Ion	Exp%	Act%
112.00	100	100
64.00	65.80	53.65
0.00	0.00	0.00
0.00	0.00	0.00

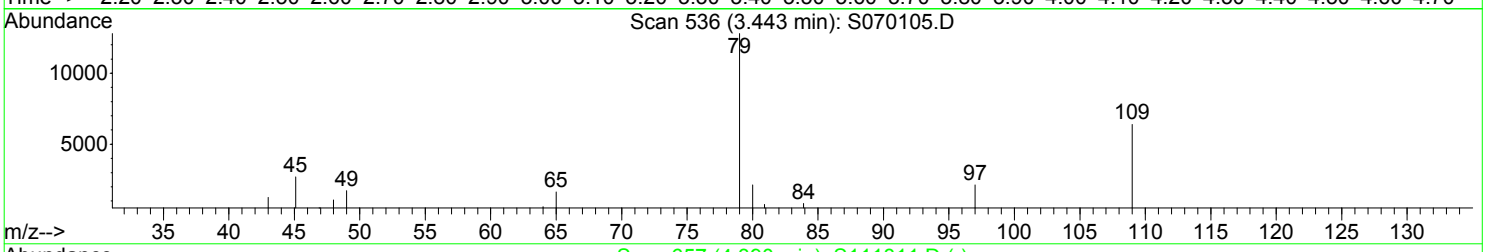
S070105.D B070104.M Fri Jul 02 12:23:50 2004

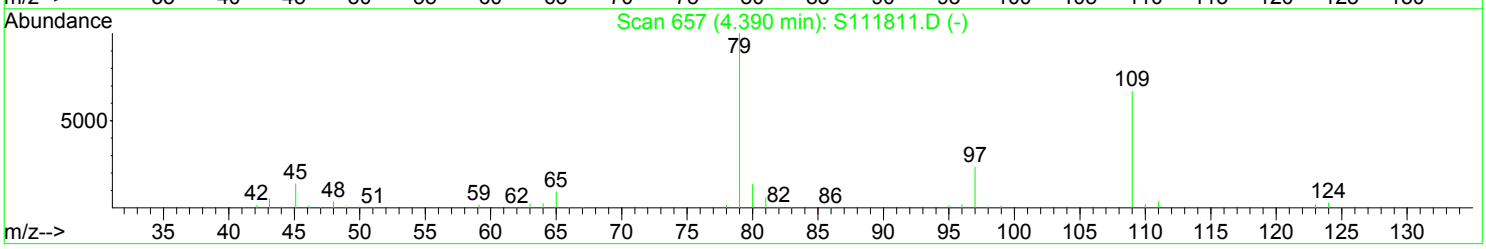
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D **Vial: 4**
Acq On : 1 Jul 2004 12:53 pm **Operator: YH**
Sample : BNA20 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(6) Ethyl methanesulfonate (T)

3.44min 19.96ng m

response 30852

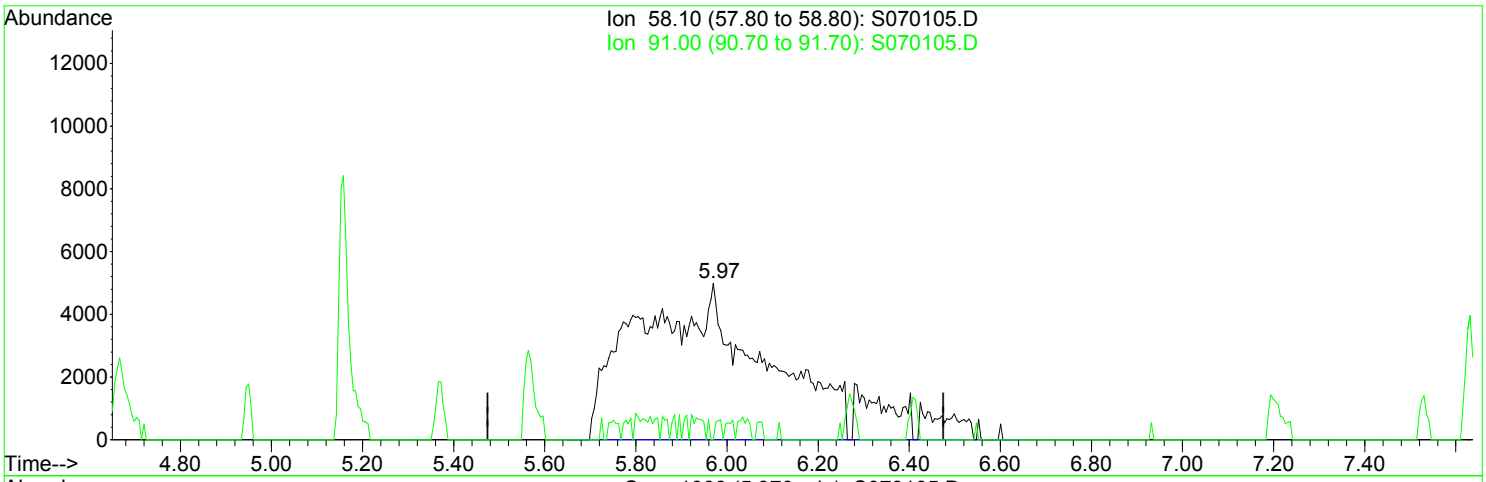
Ion	Exp%	Act%
79.00	100	100
109.00	55.80	46.18
97.00	18.50	14.83
45.00	21.10	17.95

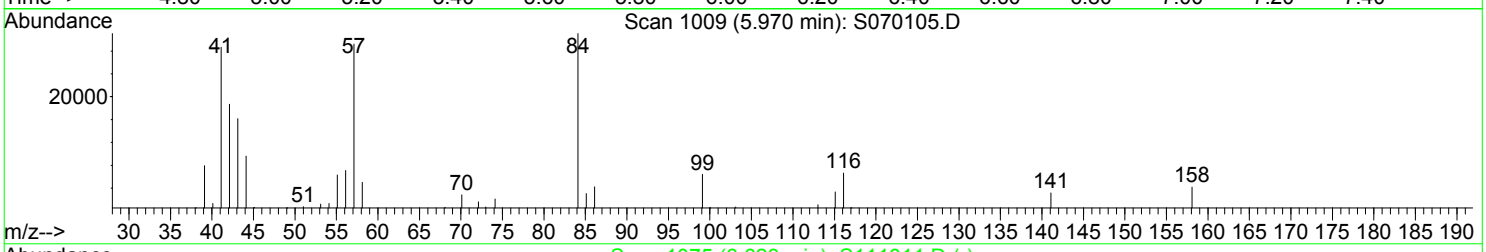
S070105.D B070104.M Fri Jul 02 12:24:02 2004

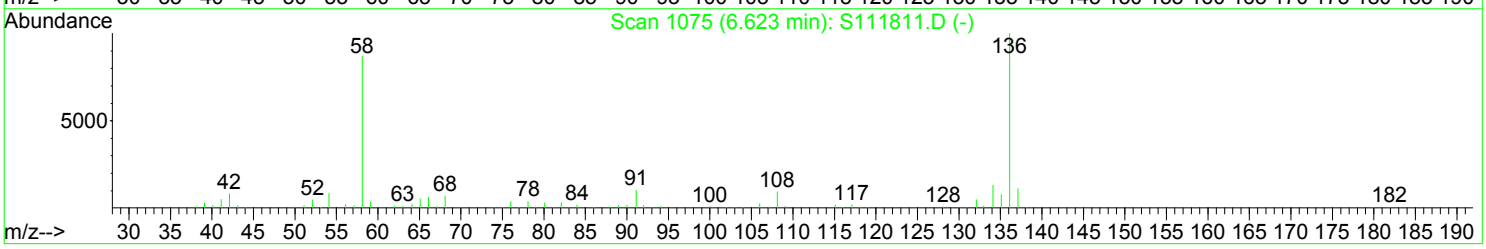
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D **Vial: 4**
Acq On : 1 Jul 2004 12:53 pm **Operator: YH**
Sample : BNA20 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(39) a,a-Dimethylphenethylamine (T)

5.97min 17.29ng m

response 109565

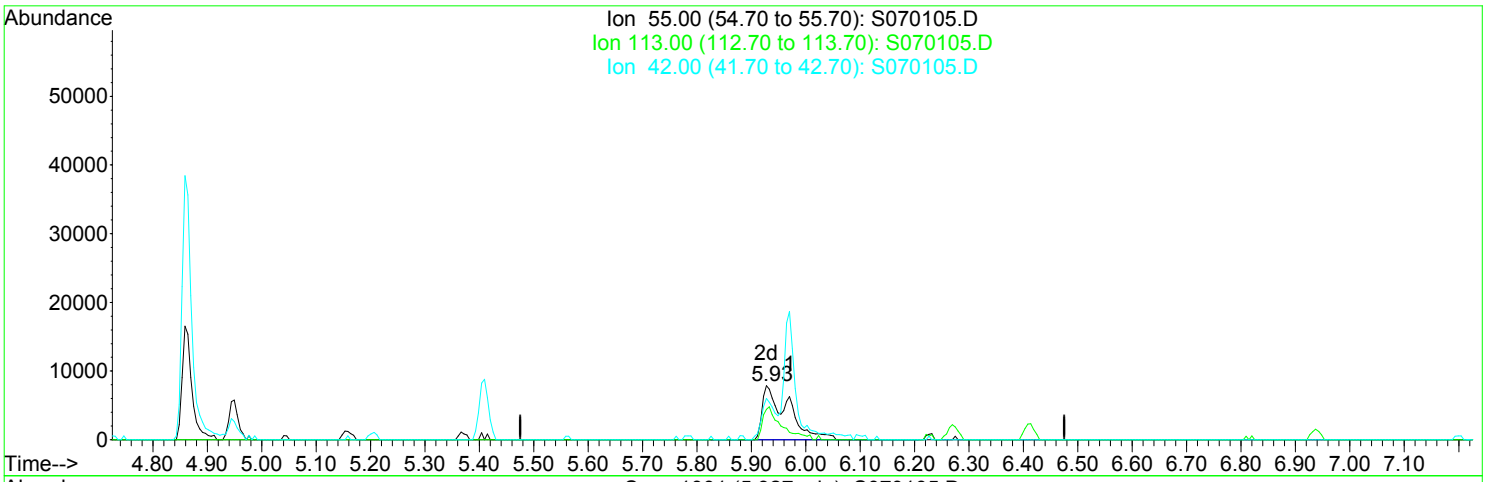
Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

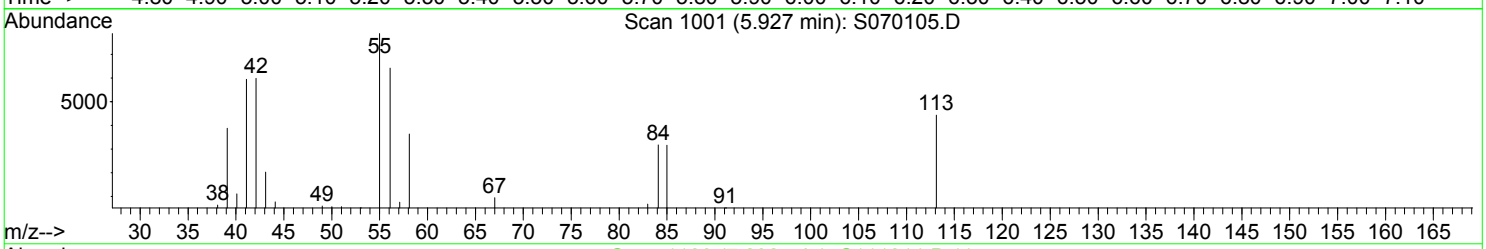
S070105.D B070104.M Fri Jul 02 12:24:27 2004

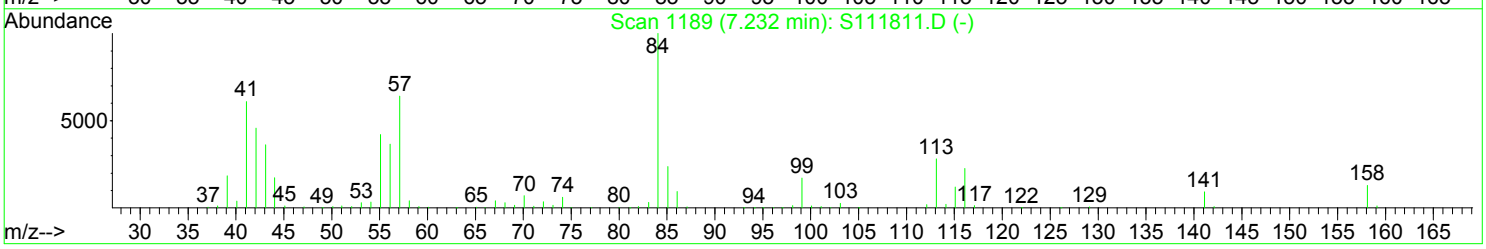
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D **Vial: 4**
Acq On : 1 Jul 2004 12:53 pm **Operator: YH**
Sample : BNA20 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(40) Caprolactam

5.93min 17.88ng m

response 26163

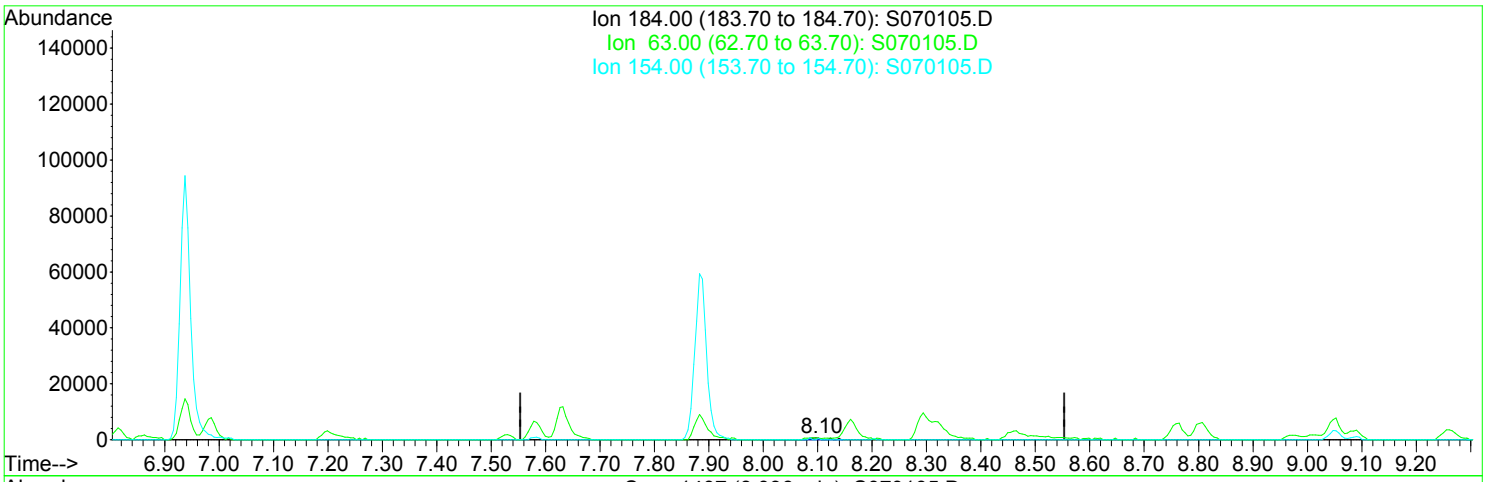
Ion	Exp%	Act%
55.00	100	100
113.00	47.40	0.00#
42.00	129.70	113.46
0.00	0.00	0.00

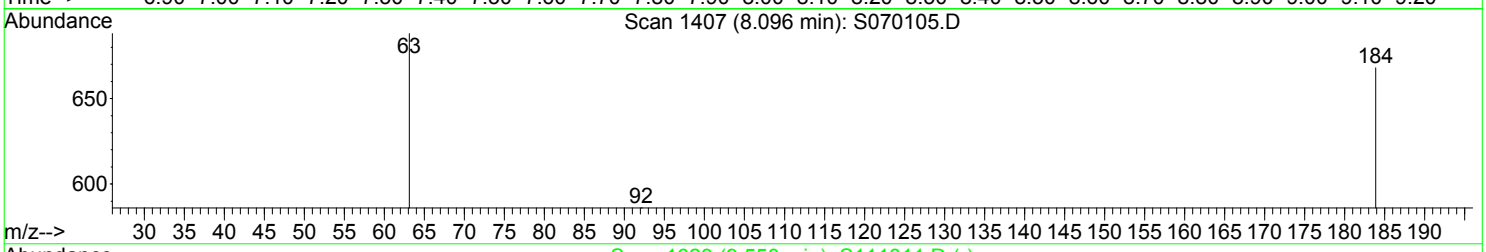
S070105.D B070104.M Fri Jul 02 12:24:39 2004

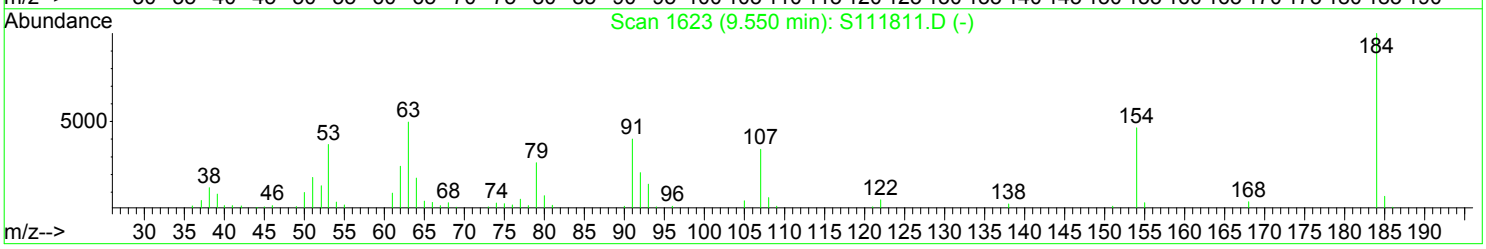
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(64) 2,4-Dinitrophenol (PC)

8.10min 24.09ng m

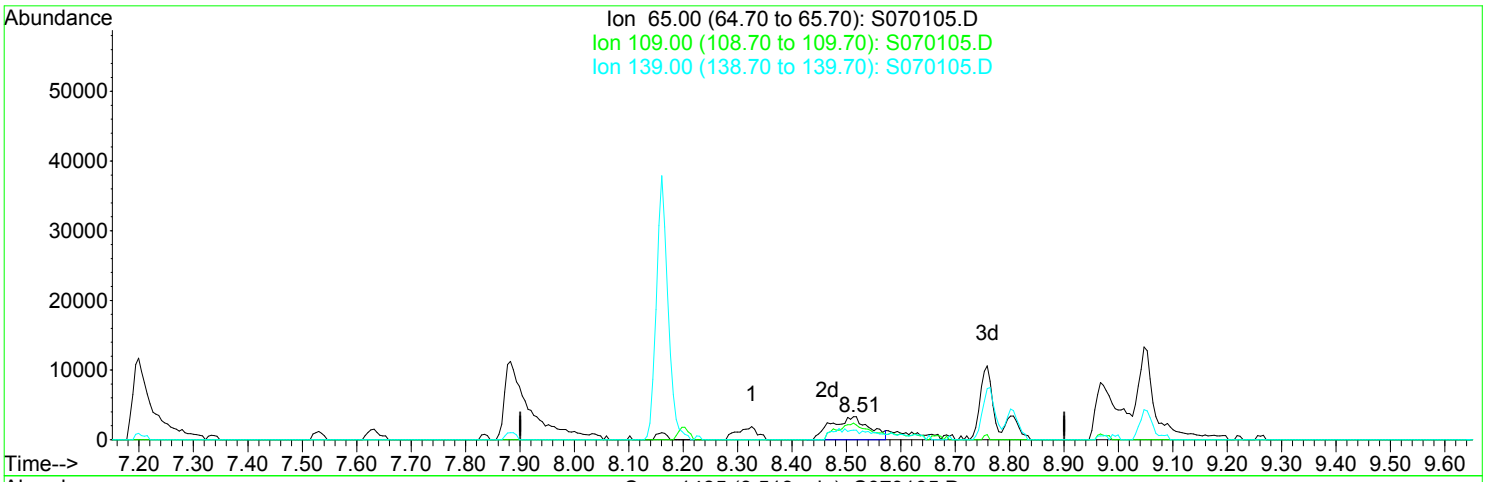
response 1109

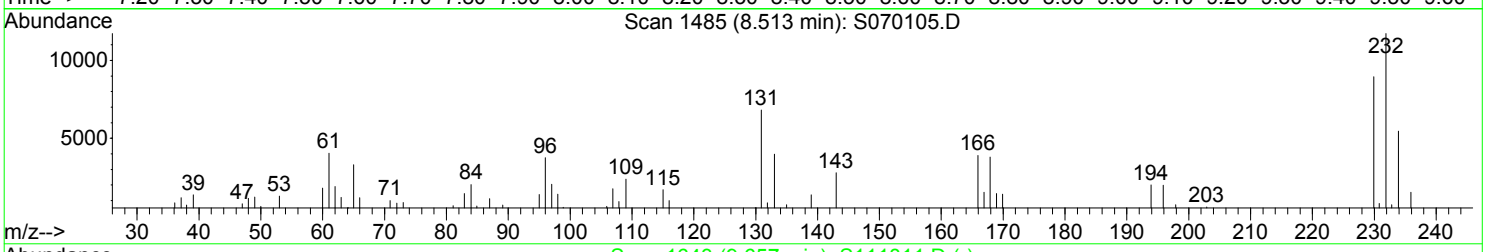
Ion	Exp%	Act%
184.00	100	100
63.00	80.00	0.00#
154.00	72.30	0.00#
0.00	0.00	0.00

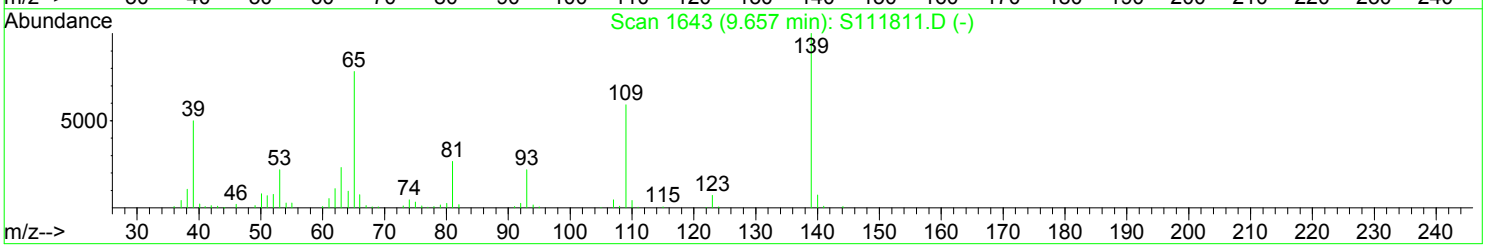
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070105.D Vial: 4
Acq On : 1 Jul 2004 12:53 pm Operator: YH
Sample : BNA20 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:31 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070105.D

(66) 4-Nitrophenol (PC)

8.51min 19.74ng m

response 16096

Ion	Exp%	Act%
65.00	100	100
109.00	94.10	0.00#
139.00	116.80	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:32:13 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	66729	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	261043	40.00	ng	0.00
45) Acenaphthene-d10	7.84	164	158272	40.00	ng	0.00
73) Phenanthrene-d10	10.52	188	297381	40.00	ng	0.00
92) Chrysene-d12	15.99	240	306338	40.00	ng	0.00
105) Perylene-d12	19.27	264	293957	40.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	2.85	112	70166m	41.14	ng	0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 41.14%			
9) Phenol-d5	3.96	99	106559	38.69	ng	0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 38.69%			
24) Nitrobenzene-d5	4.69	82	118557	38.56	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 77.12%			
50) 2-Fluorobiphenyl	6.82	172	221010	38.18	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 76.36%			
72) 2,4,6-Tribromophenol	9.27	330	35637	37.52	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 37.52%			
94) 4-Terphenyl-d14	13.88	244	294157	39.25	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 78.50%			

Target Compounds							Qvalue
2) Pyridine	0.89	79	69183	37.70	ng		96
3) 2-Picoline	1.73	93	63249m	42.19	ng		
4) Methyl methanesulfonate	2.56	80	53651m	42.30	ng		
6) Ethyl methanesulfonate	3.43	79	62562m	40.18	ng		
7) Benzaldehyde	3.68	105	46978	50.52	ng		99
8) Aniline	3.85	66	50398	39.77	ng		100
10) Phenol	3.97	94	102015	39.27	ng		96
11) Bis(2-chloroethyl)ether	3.92	63	62926	38.28	ng	#	78
12) 2-Chlorophenol	3.98	128	87160	38.84	ng		96
13) 1,3-Dichlorobenzene	4.07	146	100148	39.30	ng		99
14) 1,4-Dichlorobenzene	4.12	146	106709	39.47	ng		100
15) 1,2-Dichlorobenzene	4.31	146	100195	39.26	ng		99
16) Benzyl alcohol	4.32	108	48695	36.50	ng		93
17) Bis(2-chloroisopropyl)ethe	4.45	45	164250	40.06	ng		99
18) 2-Methylphenol	4.51	107	76014	40.37	ng		93

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:32:13 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	4-Methylphenol	4.66	107	182575	77.47 ng		98
20)	N-Nitrosodi-n-propylamine	4.59	70	81857	39.61 ng		98
21)	N-Nitrosodimethylamine	0.89	42	21741	35.21 ng	#	84
22)	Hexachloroethane	4.60	117	47189	38.49 ng		99
25)	Acetophenone	4.55	105	266456	75.96 ng		99
26)	Nitrobenzene	4.71	77	125276	38.06 ng		98
27)	N-Nitrosopiperidine	4.87	114	44007	39.14 ng		98
28)	Isophorone	4.95	82	201212	38.77 ng		99
29)	2-Nitrophenol	5.05	139	50038	39.57 ng		98
30)	2,4-Dimethylphenol	5.15	122	77984	37.99 ng		99
31)	Bis(2-chloroethoxy)methane	5.21	93	102395	38.82 ng		99
32)	2,4-Dichlorophenol	5.36	162	78067	38.50 ng		95
33)	1,2,4-Trichlorobenzene	5.38	180	92497	38.12 ng		99
34)	Naphthalene	5.44	128	291454	38.54 ng		99
35)	Benzoic acid	5.15	122	77984	80.18 ng	#	10
36)	2,6-Dichlorophenol	5.57	162	82154	39.01 ng		96
37)	4-Chloroaniline	5.56	127	103166	40.16 ng		98
38)	Hexachlorobutadiene	5.65	225	60025	38.17 ng		99
39)	a,a-Dimethylphenethylamine	5.98	58	260069m	39.66 ng		
40)	Caprolactam	5.94	55	59651m	39.40 ng		
41)	4-Chloro-3-methylphenol	6.23	107	87424	38.38 ng		91
42)	N-Nitrosodi-n-butylamine	5.98	84	95371	40.11 ng		98
43)	2-Methylnaphthalene	6.27	142	207078	38.97 ng		97
44)	1-Methylnaphthalene	6.41	142	190702	39.05 ng		98
46)	1,2,4,5-Tetrachlorobenzene	6.55	216	97706	38.34 ng		98
47)	Hexachlorocyclopentadiene	6.58	237	30658	35.70 ng	#	92
48)	2,4,6-Trichlorophenol	6.74	196	59405	38.04 ng		100
49)	2,4,5-Trichlorophenol	6.85	196	63421	38.70 ng		94
51)	Biphenyl	6.94	154	269135	37.46 ng		100
52)	2-Chloronaphthalene	6.94	162	193840	37.72 ng		99
53)	1-Chloronaphthalene	6.99	162	188577	39.30 ng		99
54)	2-Nitroaniline	7.19	65	70863	39.74 ng		99
55)	3-Nitroaniline	7.88	138	50346	38.79 ng		94
56)	Pentachlorobenzene	8.21	250	89143	38.67 ng		99
57)	4-Nitroaniline	8.97	138	42690	37.00 ng		97
58)	2-Naphthylamine	8.33	143	165705	39.97 ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:32:13 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.46	143	144863	39.54 ng		94
60)	Dimethyl phthalate	7.54	163	225354	39.27 ng		99
61)	Acenaphthylene	7.58	152	287798	39.48 ng		99
62)	2,6-Dinitrotoluene	7.64	165	48258	39.37 ng		99
63)	Acenaphthene	7.89	154	188237	38.12 ng		99
64)	2,4-Dinitrophenol	8.07	184	13489	38.52 ng		83
65)	Dibenzofuran	8.17	168	272264	38.94 ng		98
66)	4-Nitrophenol	8.46	65	29706	34.31 ng	#	58
67)	2,4-Dinitrotoluene	8.30	165	65941	39.04 ng		96
68)	2,3,4,6-Tetrachlorophenol	8.51	232	50004	36.69 ng		99
69)	Diethyl phthalate	8.76	149	246306	37.90 ng		100
70)	Fluorene	8.77	166	237510	37.95 ng		99
71)	4-Chlorophenyl phenyl ethe	8.81	204	114404	38.42 ng		99
74)	4,6-Dinitro-2-methylphenol	9.02	198	37760	37.58 ng	#	1
75)	Azobenzene	9.10	77	273677	34.53 ng		87
76)	1,2-Diphenylhydrazine	9.10	182	64093	38.67 ng	#	67
77)	Diphenylamine	9.06	170	45251	38.68 ng		99
78)	N-Nitrosodiphenylamine	9.06	168	230277	38.57 ng		99
79)	4-Bromophenyl phenyl ether	9.70	248	69502	39.58 ng		99
80)	Phenacetin	9.79	108	113155	39.41 ng		100
81)	Hexachlorobenzene	9.94	284	74381	39.87 ng		99
82)	Atrazine	10.21	200	67888	39.45 ng		99
83)	4-Aminobiphenyl	10.24	169	194382	39.96 ng		99
84)	Pentachlorophenol	10.36	266	24004	35.88 ng		97
85)	Pentachloronitrobenzene	10.47	237	38186	39.34 ng		100
86)	Pronamide	10.52	173	109721	38.89 ng		99
87)	Phenanthrene	10.56	178	346040	38.95 ng		99
88)	Anthracene	10.65	178	348481	39.05 ng		99
89)	Carbazole	11.05	167	315272	38.50 ng		99
90)	Di-n-butyl phthalate	11.99	149	407596	39.22 ng		100
91)	Fluoranthene	12.97	202	392228	38.44 ng		99
93)	Pyrene	13.41	202	413213	39.76 ng		100
95)	Benzidine	13.37	184	90095	38.15 ng		95
96)	Dimethylaminoazobenzene	14.23	225	82713	38.95 ng		98
97)	Butyl benzyl phthalate	15.07	149	190041	39.30 ng		99
98)	Benz(a)anthracene	15.95	228	404216	38.76 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:32:13 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

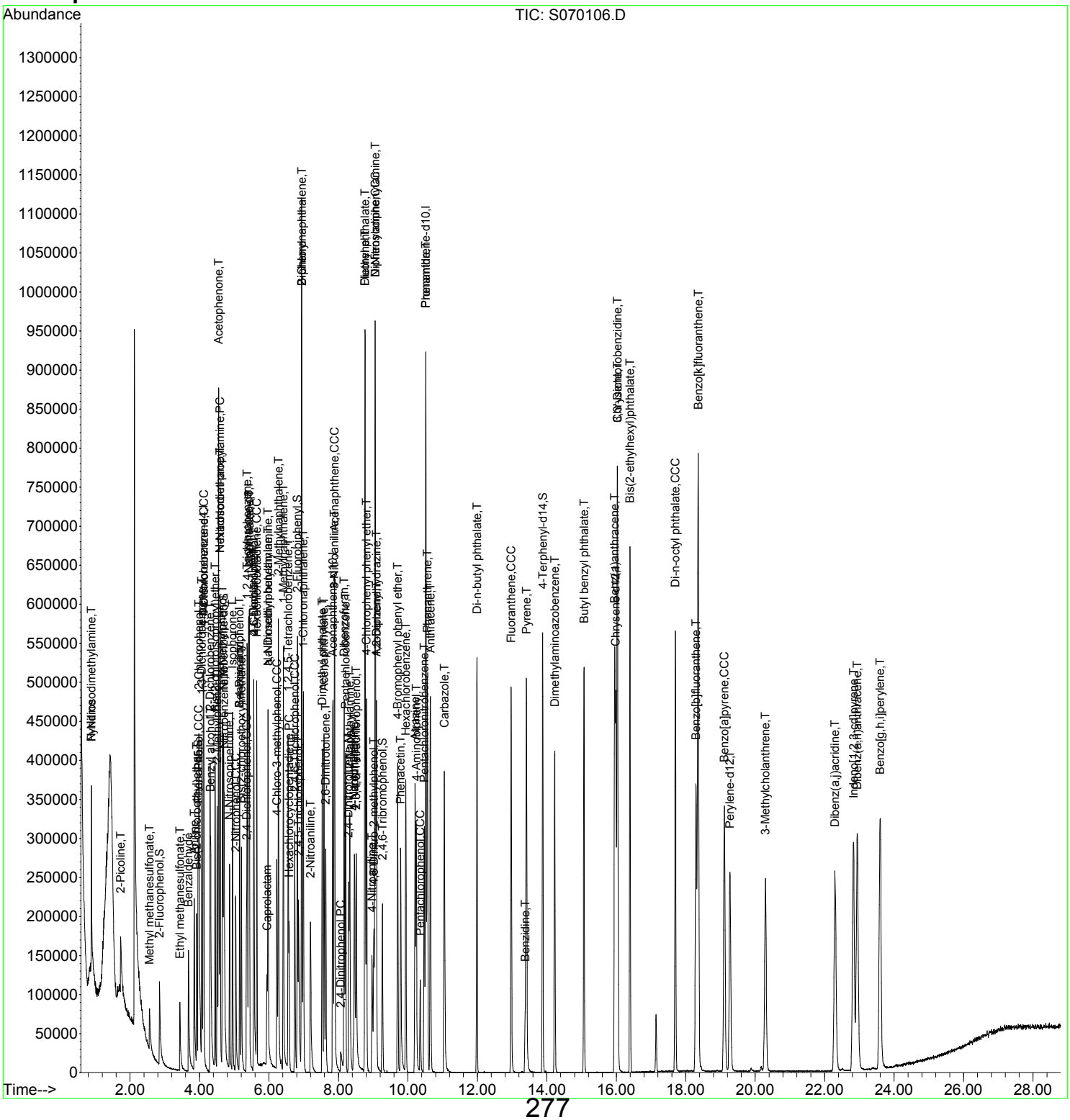
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.02	252	146858	39.26	ng		100
100)	Chrysene	16.03	228	396599	38.52	ng		99
101)	Bis(2-ethylhexyl)phthalate	16.39	149	264600	38.77	ng		100
102)	Di-n-octyl phthalate	17.70	149	464342	39.16	ng		100
103)	3-Methylcholanthrene	20.29	268	204900	39.18	ng		99
104)	Indeno[1,2,3-cd]pyrene	22.83	276	469634	38.39	ng	#	99
106)	Benzo[b]fluoranthene	18.30	252	417716	37.04	ng		99
107)	Benzo[k]fluoranthene	18.36	252	434258	39.95	ng		98
108)	Benzo[a]pyrene	19.11	252	408327	39.28	ng		100
109)	Dibenz(a,j)acridine	22.30	279	412368	39.02	ng		99
110)	Dibenz(a,h)anthracene	22.94	278	455530	38.92	ng		100
111)	Benzo[g,h,i]perylene	23.60	276	503261	38.18	ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 Quant Results File: B070104.RES

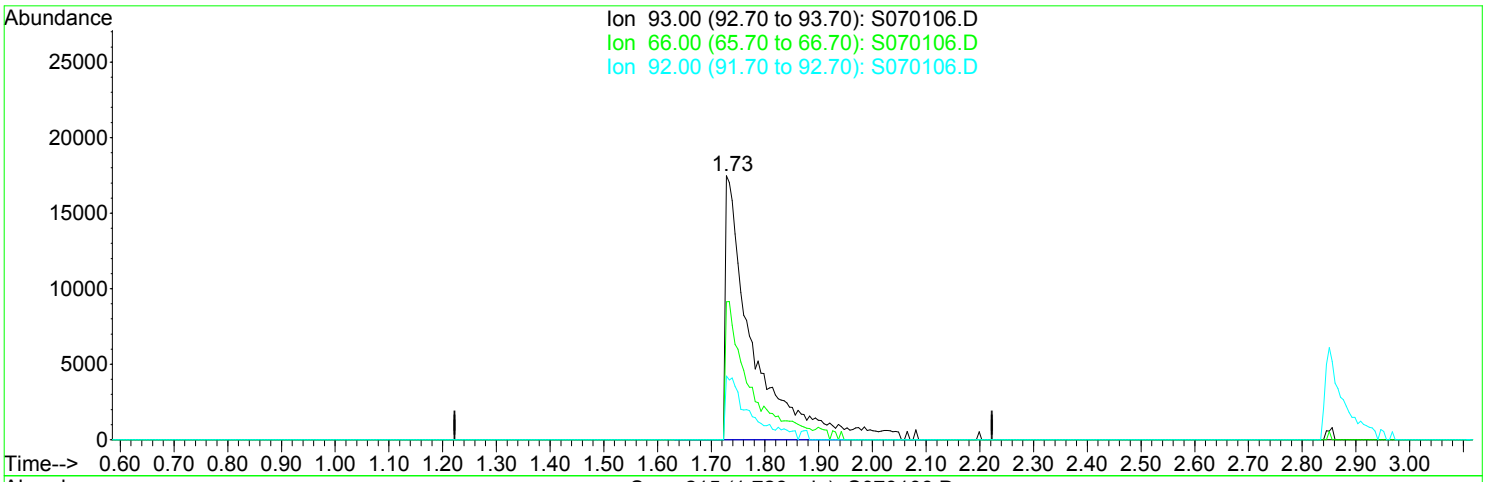
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

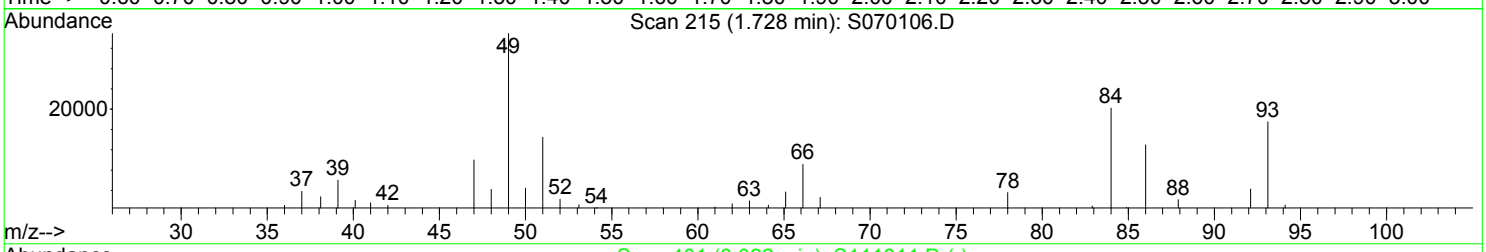


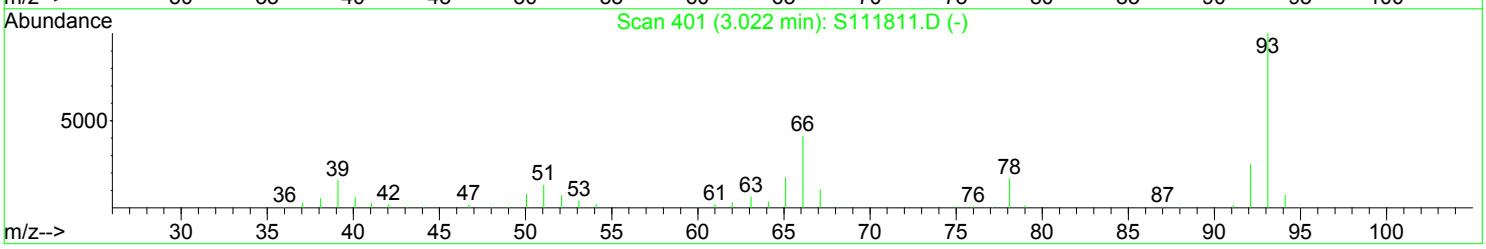
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070106.D

(3) 2-Picoline (T)

1.73min 42.19ng m

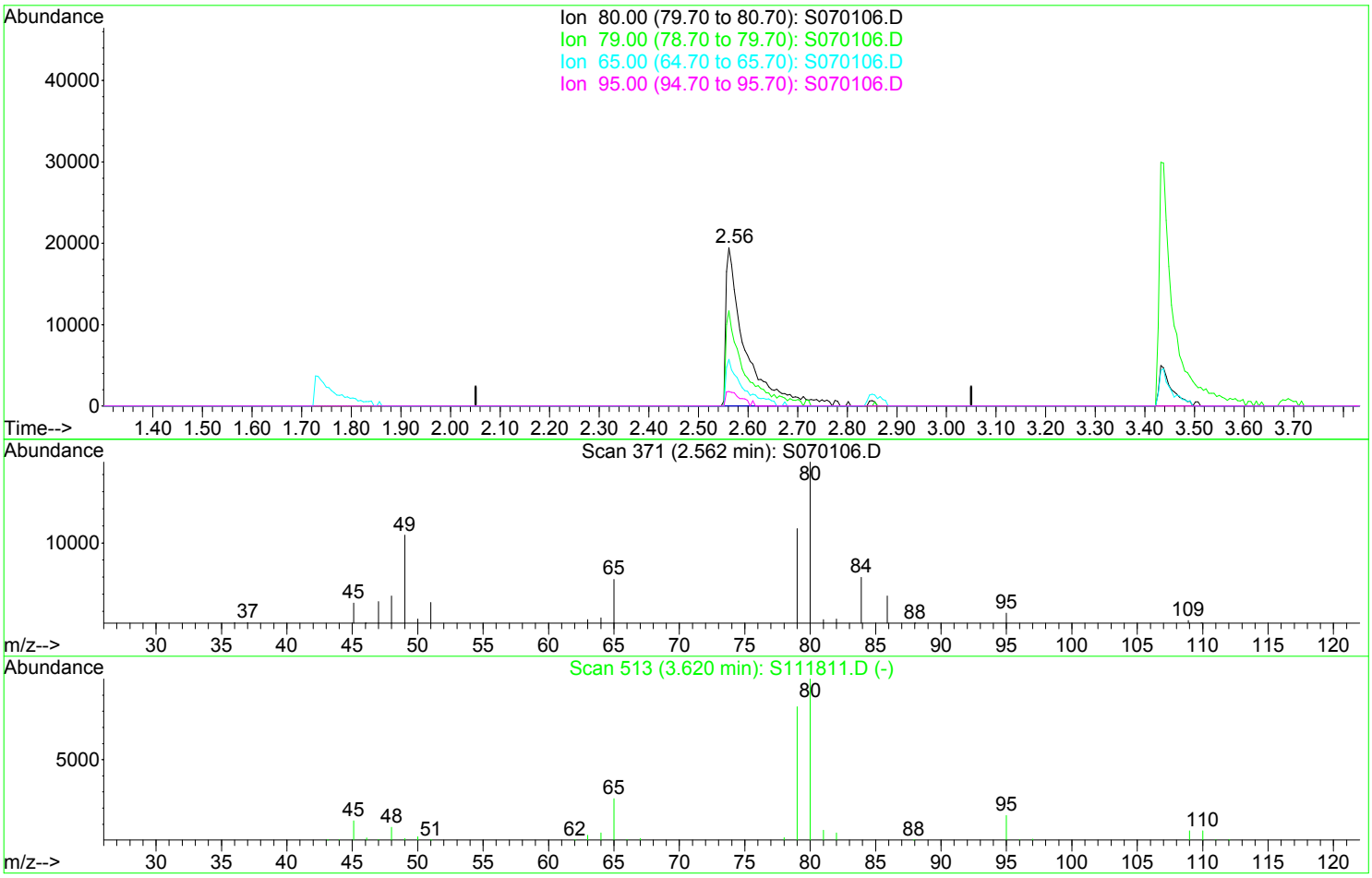
response 63249

Ion	Exp%	Act%
93.00	100	100
66.00	49.50	44.89
92.00	24.30	18.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070106.D

(4) Methyl methanesulfonate (T)

2.56min 42.30ng m

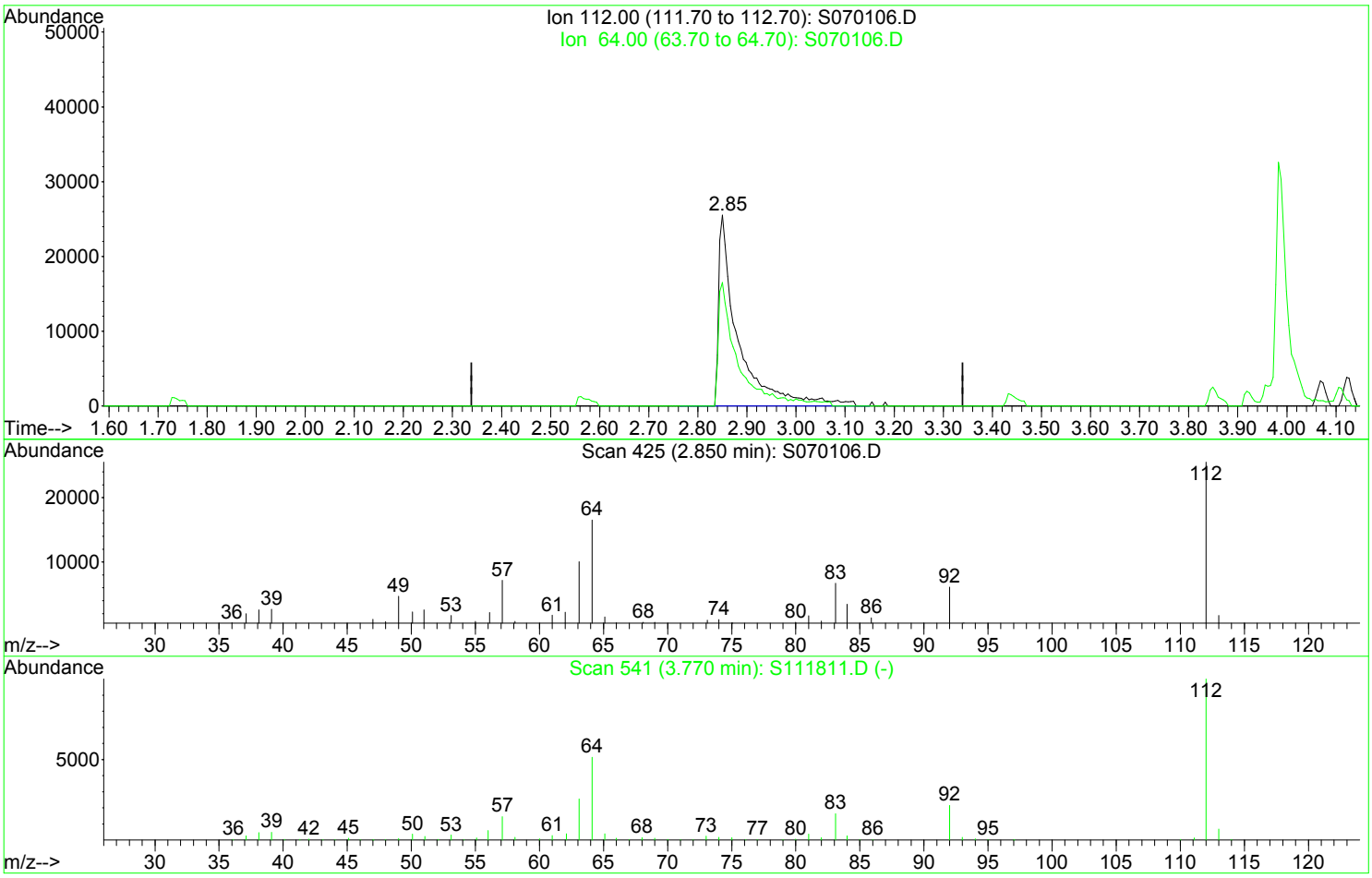
response 53651

Ion	Exp%	Act%
80.00	100	100
79.00	62.20	55.53
65.00	29.30	24.46
95.00	9.90	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070106.D

(5) 2-Fluorophenol (S)

2.85min 41.14ng m

response 70166

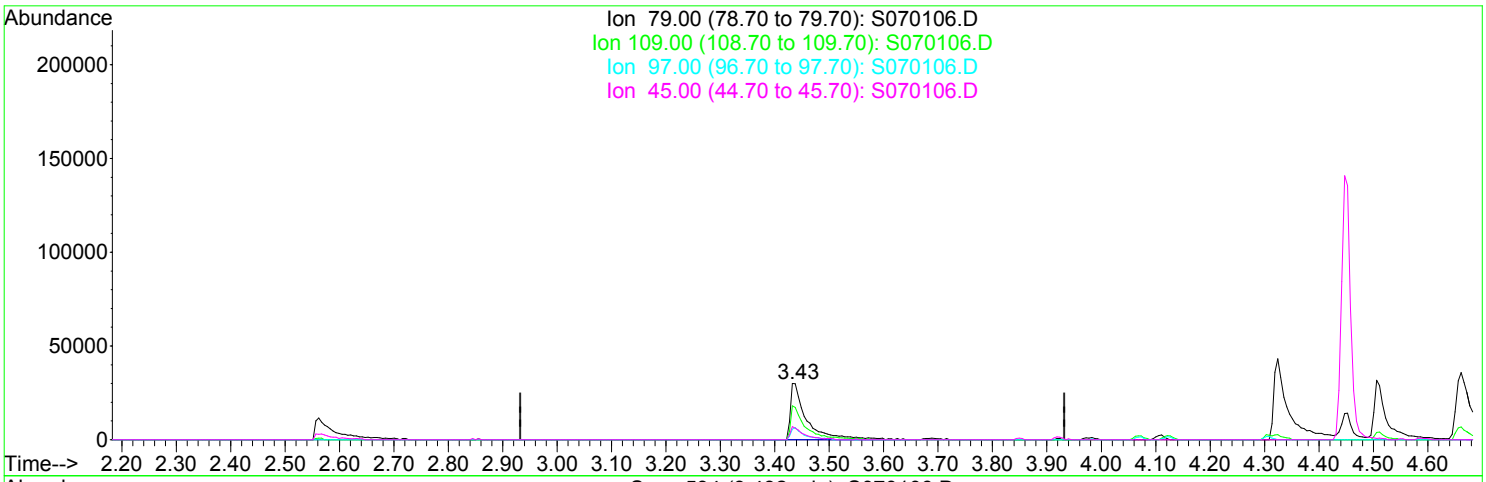
Ion	Exp%	Act%
112.00	100	100
64.00	65.80	61.18
0.00	0.00	0.00
0.00	0.00	0.00

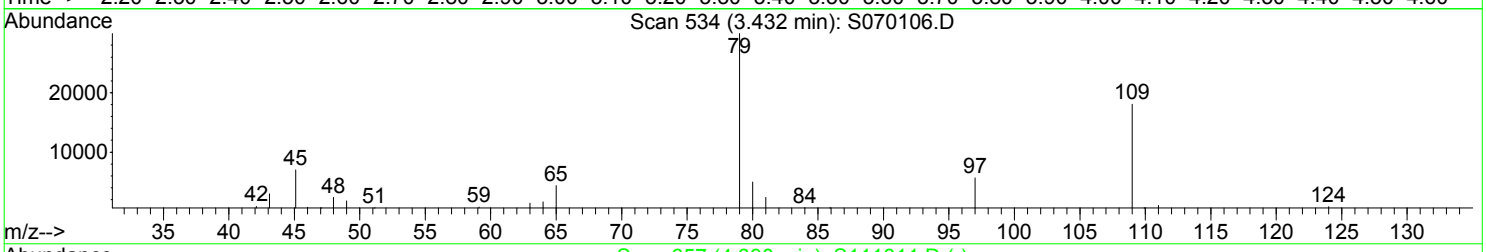
S070106.D B070104.M Fri Jul 02 12:26:24 2004

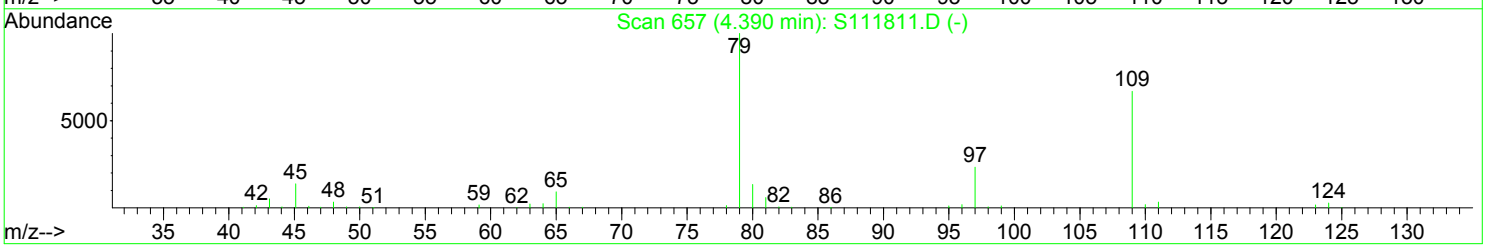
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D Vial: 5
Acq On : 1 Jul 2004 1:29 pm Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070106.D

(6) Ethyl methanesulfonate (T)

3.43min 40.18ng m

response 62562

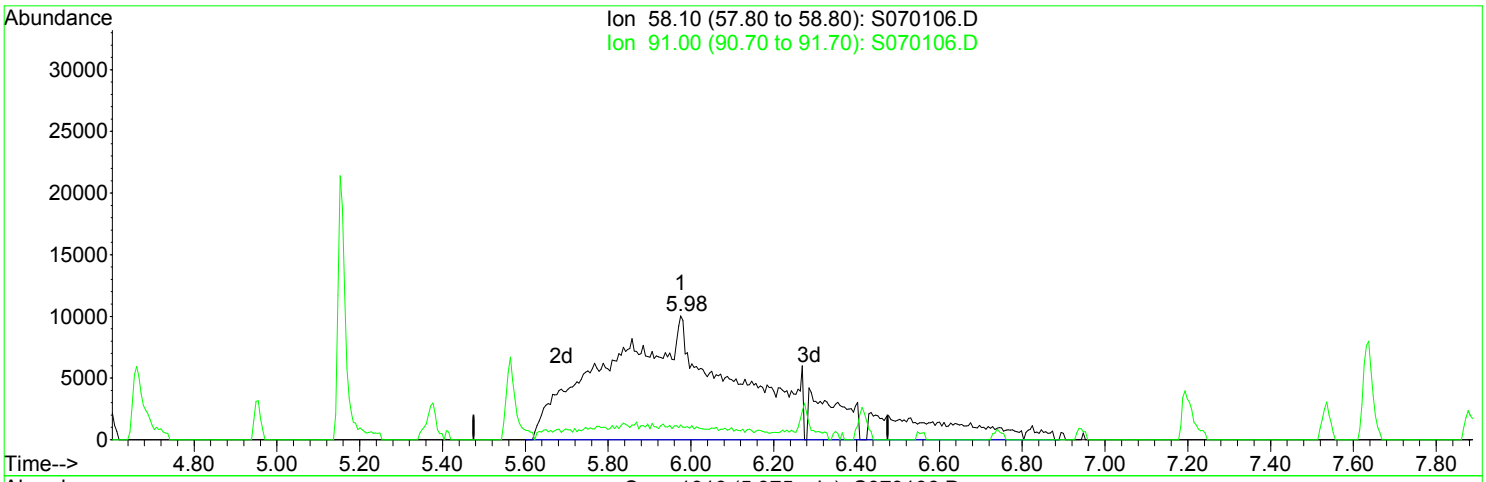
Ion	Exp%	Act%
79.00	100	100
109.00	55.80	55.99
97.00	18.50	17.71
45.00	21.10	19.50

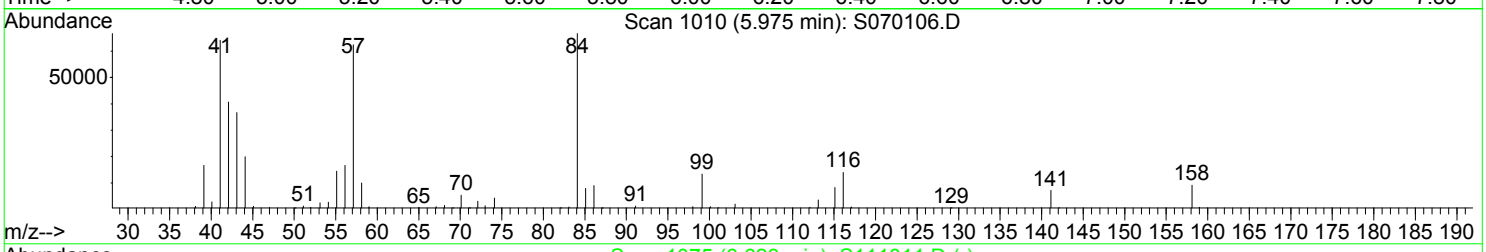
S070106.D B070104.M Fri Jul 02 12:26:38 2004

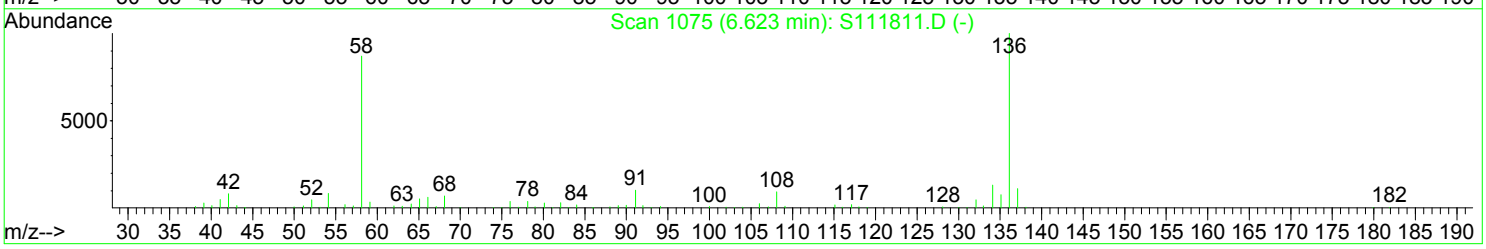
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D **Vial: 5**
Acq On : 1 Jul 2004 1:29 pm **Operator: YH**
Sample : BNA40 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070106.D

(39) a,a-Dimethylphenethylamine (T)

5.98min 39.66ng m

response 260069

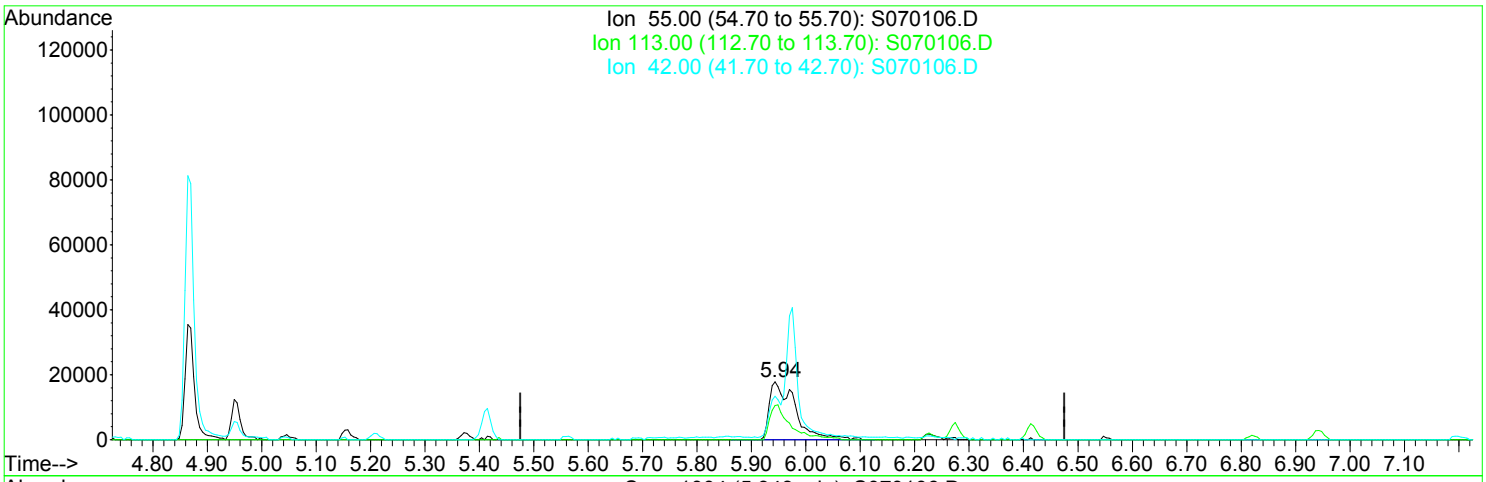
Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

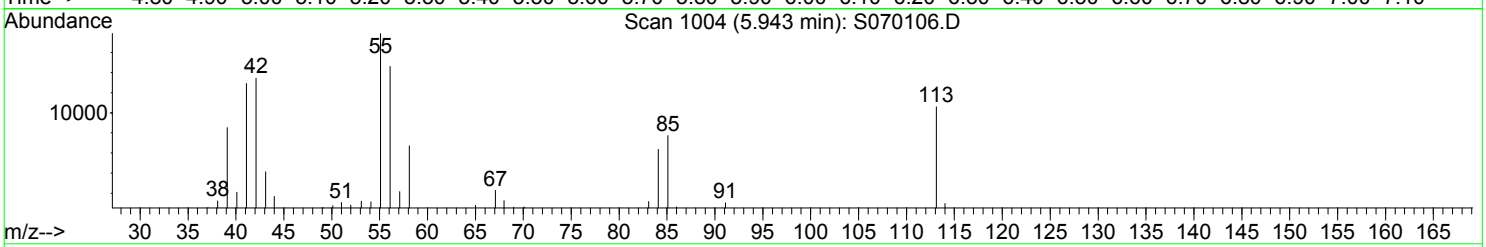
S070106.D B070104.M Fri Jul 02 12:27:06 2004

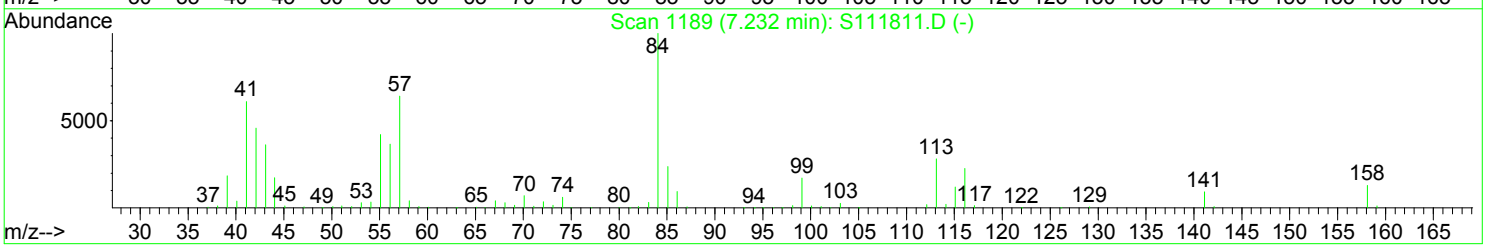
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070106.D **Vial: 5**
Acq On : 1 Jul 2004 1:29 pm **Operator: YH**
Sample : BNA40 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:33 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070106.D

(40) Caprolactam

5.94min 39.40ng m

response 59651

Ion	Exp%	Act%
55.00	100	100
113.00	47.40	48.33
42.00	129.70	31.33#
0.00	0.00	0.00

S070106.D B070104.M Fri Jul 02 12:27:21 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D Vial: 6
Acq On : 1 Jul 2004 2:06 pm Operator: YH
Sample : BNA60 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:33:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.10	152	68638	40.00 ng	0.00
23) Naphthalene-d8	5.40	136	261295	40.00 ng	-0.01
45) Acenaphthene-d10	7.83	164	159504	40.00 ng	-0.01
73) Phenanthrene-d10	10.51	188	312263	40.00 ng	-0.01
92) Chrysene-d12	15.97	240	356134	40.00 ng	-0.02
105) Perylene-d12	19.26	264	322685	40.00 ng	-0.02

System Monitoring Compounds					
5) 2-Fluorophenol	2.84	112	107577	61.32 ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 61.32%		
9) Phenol-d5	3.95	99	173189	61.13 ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 61.13%		
24) Nitrobenzene-d5	4.69	82	188933	61.38 ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 122.76%#		
50) 2-Fluorobiphenyl	6.81	172	350051	60.01 ng	-0.01
Spiked Amount 50.000	Range 43 - 116		Recovery = 120.02%#		
72) 2,4,6-Tribromophenol	9.26	330	59864	62.54 ng	-0.01
Spiked Amount 100.000	Range 10 - 123		Recovery = 62.54%		
94) 4-Terphenyl-d14	13.87	244	521542	59.85 ng	-0.01
Spiked Amount 50.000	Range 33 - 141		Recovery = 119.70%		

Target Compounds					Qvalue
2) Pyridine	0.88	79	119303	63.20 ng	97
3) 2-Picoline	1.72	93	90534	58.71 ng	95
4) Methyl methanesulfonate	2.55	80	82545	63.27 ng	96
6) Ethyl methanesulfonate	3.43	79	97247	60.72 ng	99
7) Benzaldehyde	3.68	105	62903	65.76 ng	94
8) Aniline	3.84	66	80007	61.38 ng	99
10) Phenol	3.96	94	159491	59.69 ng	100
11) Bis(2-chloroethyl)ether	3.91	63	102596	60.68 ng	99
12) 2-Chlorophenol	3.98	128	139201	60.31 ng	92
13) 1,3-Dichlorobenzene	4.06	146	157505	60.08 ng	100
14) 1,4-Dichlorobenzene	4.12	146	165827	59.63 ng	99
15) 1,2-Dichlorobenzene	4.30	146	156933	59.78 ng	99
16) Benzyl alcohol	4.31	108	86373	62.94 ng	100
17) Bis(2-chloroisopropyl)ethe	4.44	45	253489	60.11 ng	100
18) 2-Methylphenol	4.50	107	117958	60.90 ng	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D Vial: 6
Acq On : 1 Jul 2004 2:06 pm Operator: YH
Sample : BNA60 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:33:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	4-Methylphenol	4.65	107	300619	124.01 ng		97
20)	N-Nitrosodi-n-propylamine	4.59	70	127332	59.91 ng		97
21)	N-Nitrosodimethylamine	0.89	42	43015	62.33 ng	#	97
22)	Hexachloroethane	4.59	117	75422	59.80 ng		99
25)	Acetophenone	4.54	105	427318	121.70 ng		100
26)	Nitrobenzene	4.70	77	198660	60.29 ng		98
27)	N-Nitrosopiperidine	4.86	114	69647	61.88 ng		99
28)	Isophorone	4.94	82	313833	60.40 ng		100
29)	2-Nitrophenol	5.04	139	79547	62.84 ng		98
30)	2,4-Dimethylphenol	5.15	122	122788	59.75 ng		99
31)	Bis(2-chloroethoxy)methane	5.20	93	161810	61.29 ng		99
32)	2,4-Dichlorophenol	5.34	162	125585	61.87 ng		99
33)	1,2,4-Trichlorobenzene	5.37	180	146131	60.17 ng		100
34)	Naphthalene	5.43	128	455699	60.19 ng		100
35)	Benzoic acid	5.35	122	30656	28.08 ng		98
36)	2,6-Dichlorophenol	5.56	162	127370	60.42 ng		98
37)	4-Chloroaniline	5.55	127	159750	62.12 ng		99
38)	Hexachlorobutadiene	5.64	225	94880	60.27 ng		100
39)	a,a-Dimethylphenethylamine	5.96	58	426221m	64.93 ng		
40)	Caprolactam	5.96	55	94620	62.43 ng		99
41)	4-Chloro-3-methylphenol	6.22	107	141564	62.10 ng		95
42)	N-Nitrosodi-n-butylamine	5.96	84	151807	63.79 ng		99
43)	2-Methylnaphthalene	6.26	142	314115	59.05 ng		99
44)	1-Methylnaphthalene	6.40	142	287248	58.77 ng		99
46)	1,2,4,5-Tetrachlorobenzene	6.54	216	152536	59.39 ng		99
47)	Hexachlorocyclopentadiene	6.57	237	59356	56.47 ng		99
48)	2,4,6-Trichlorophenol	6.73	196	96932	61.60 ng		99
49)	2,4,5-Trichlorophenol	6.84	196	102576	62.11 ng		97
51)	Biphenyl	6.93	154	426441	58.89 ng		100
52)	2-Chloronaphthalene	6.93	162	311357	60.11 ng		100
53)	1-Chloronaphthalene	6.98	162	284020	58.74 ng		99
54)	2-Nitroaniline	7.18	65	113949	63.41 ng		99
55)	3-Nitroaniline	7.86	138	82925	60.53 ng		99
56)	Pentachlorobenzene	8.20	250	139531	60.06 ng		99
57)	4-Nitroaniline	8.96	138	75132	60.14 ng		97
58)	2-Naphthylamine	8.32	143	266987	63.91 ng		98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D Vial: 6
Acq On : 1 Jul 2004 2:06 pm Operator: YH
Sample : BNA60 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:33:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.45	143	238824	64.68 ng		100
60)	Dimethyl phthalate	7.52	163	352917	61.03 ng		100
61)	Acenaphthylene	7.57	152	442200	60.19 ng		100
62)	2,6-Dinitrotoluene	7.63	165	76498	61.93 ng		99
63)	Acenaphthene	7.88	154	300458	60.38 ng		100
64)	2,4-Dinitrophenol	8.05	184	30061	57.66 ng		98
65)	Dibenzofuran	8.16	168	428011	60.75 ng		100
66)	4-Nitrophenol	8.40	65	41452m	47.51 ng		
67)	2,4-Dinitrotoluene	8.29	165	108618	63.81 ng		98
68)	2,3,4,6-Tetrachlorophenol	8.50	232	87296	63.56 ng		98
69)	Diethyl phthalate	8.76	149	402071	61.39 ng		100
70)	Fluorene	8.76	166	382197	60.60 ng		100
71)	4-Chlorophenyl phenyl ethe	8.80	204	181109	60.36 ng		99
74)	4,6-Dinitro-2-methylphenol	9.01	198	67737	57.97 ng	#	1
75)	Azobenzene	9.08	77	519840	62.45 ng		96
76)	1,2-Diphenylhydrazine	9.08	182	102708	59.01 ng		95
77)	Diphenylamine	9.05	170	73119	59.52 ng		99
78)	N-Nitrosodiphenylamine	9.05	168	373907	59.64 ng		99
79)	4-Bromophenyl phenyl ether	9.69	248	111339	60.38 ng		99
80)	Phenacetin	9.79	108	198774	65.92 ng		99
81)	Hexachlorobenzene	9.93	284	117660	60.06 ng		99
82)	Atrazine	10.20	200	113663	62.90 ng		99
83)	4-Aminobiphenyl	10.23	169	322284	63.10 ng		99
84)	Pentachlorophenol	10.35	266	47382	56.36 ng		98
85)	Pentachloronitrobenzene	10.46	237	61843	60.67 ng		98
86)	Pronamide	10.51	173	184682	62.34 ng		98
87)	Phenanthrene	10.55	178	564800	60.55 ng		100
88)	Anthracene	10.64	178	569887	60.82 ng		99
89)	Carbazole	11.03	167	532567	61.93 ng		100
90)	Di-n-butyl phthalate	11.98	149	691809	63.40 ng		100
91)	Fluoranthene	12.96	202	675293	63.02 ng		100
93)	Pyrene	13.40	202	716507	59.30 ng		100
95)	Benzidine	13.36	184	150062	59.79 ng		95
96)	Dimethylaminoazobenzene	14.21	225	154059	62.40 ng		100
97)	Butyl benzyl phthalate	15.06	149	346685	61.68 ng		100
98)	Benz(a)anthracene	15.94	228	738637	60.92 ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D Vial: 6
Acq On : 1 Jul 2004 2:06 pm Operator: YH
Sample : BNA60 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:33:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

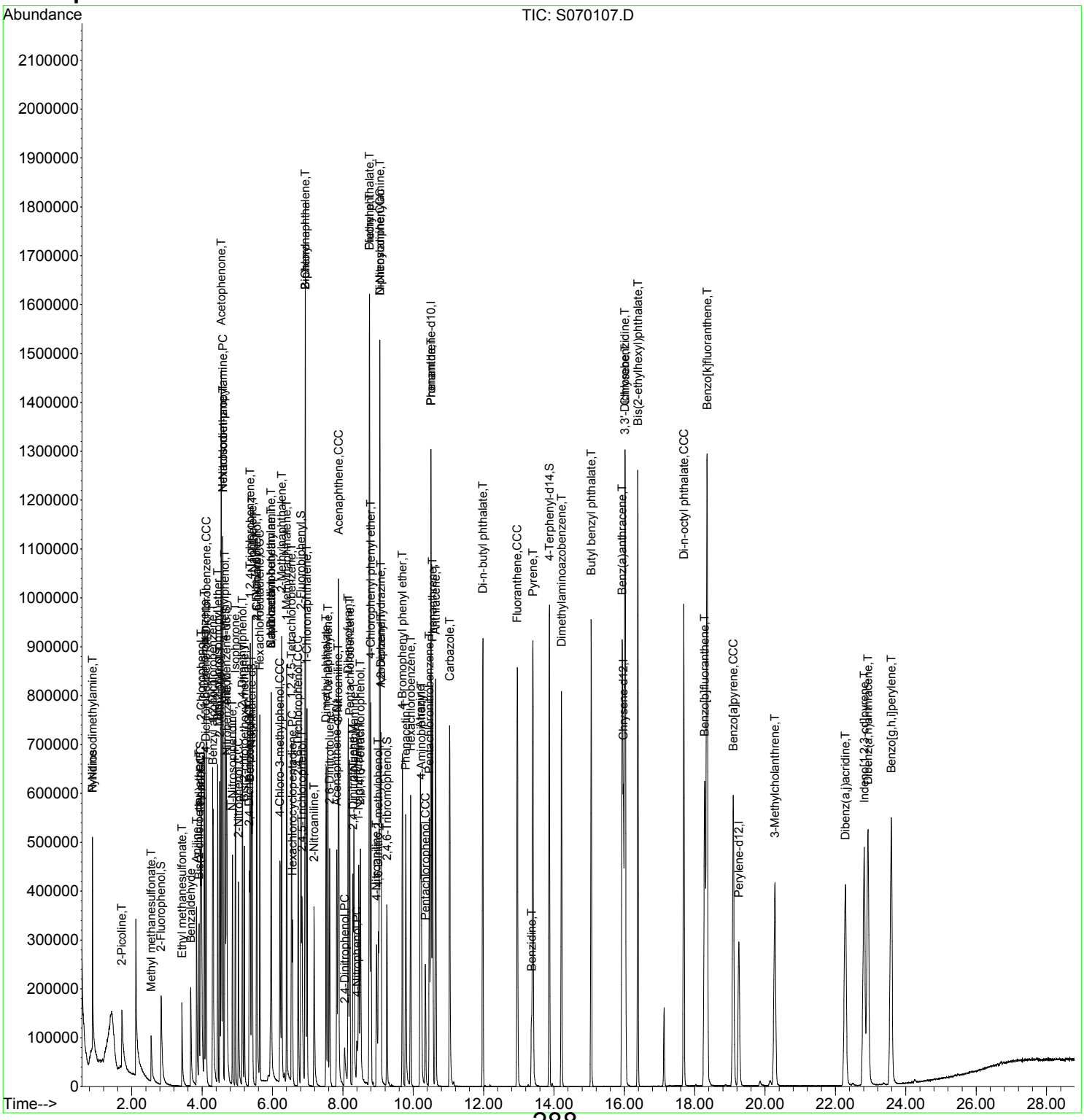
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.01	252	257764	59.27	ng		100
100)	Chrysene	16.02	228	720035	60.15	ng		99
101)	Bis(2-ethylhexyl)phthalate	16.38	149	489375	61.68	ng		100
102)	Di-n-octyl phthalate	17.69	149	837667	60.77	ng		100
103)	3-Methylcholanthrene	20.28	268	343973	56.58	ng		99
104)	Indeno[1,2,3-cd]pyrene	22.82	276	789859	55.54	ng	#	100
106)	Benzo[b]fluoranthene	18.28	252	737340	59.56	ng		98
107)	Benzo[k]fluoranthene	18.35	252	741185	62.12	ng		98
108)	Benzo[a]pyrene	19.10	252	690757	60.54	ng		99
109)	Dibenz(a,j)acridine	22.29	279	682482	58.83	ng		99
110)	Dibenz(a,h)anthracene	22.93	278	742939	57.82	ng		99
111)	Benzo[g,h,i]perylene	23.59	276	844319	58.35	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D Vial: 6
Acq On : 1 Jul 2004 2:06 pm Operator: YH
Sample : BNA60 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:40 2004 Quant Results File: B070104.RES

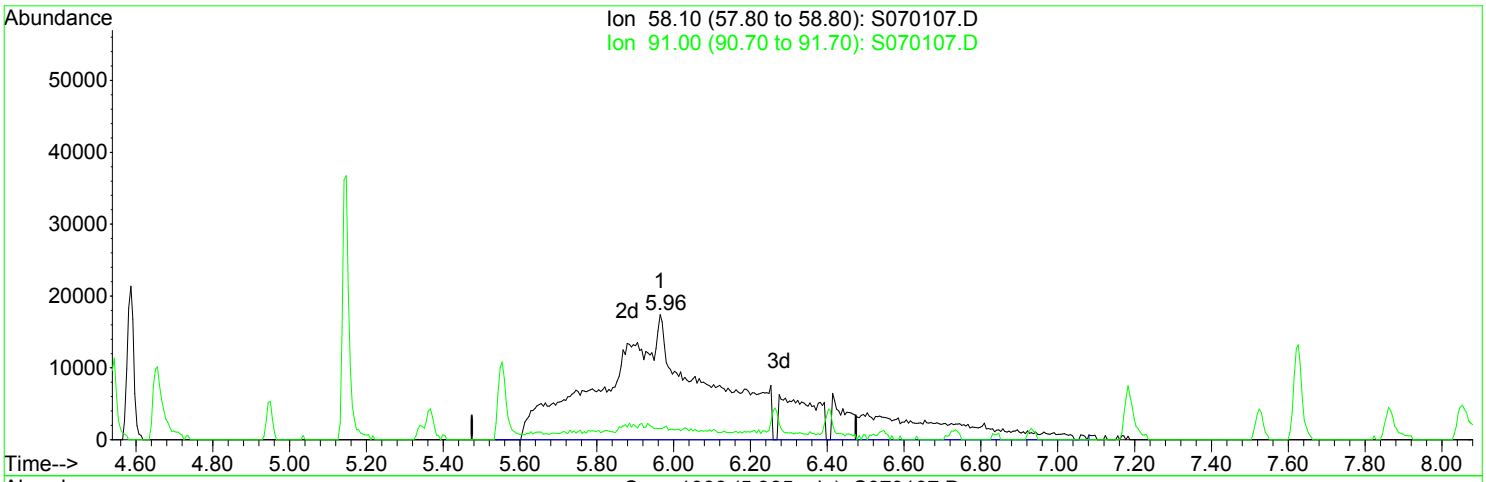
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

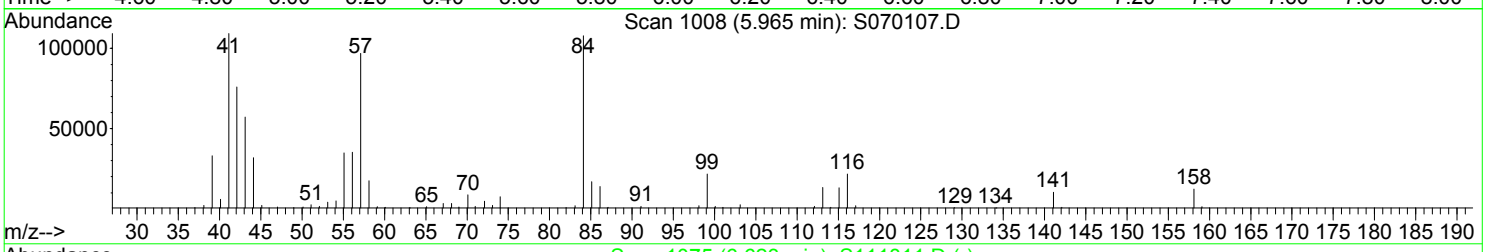


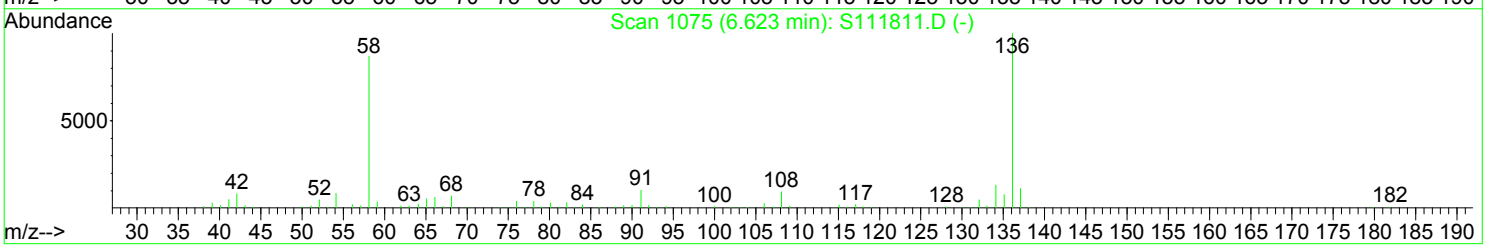
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D **Vial: 6**
Acq On : 1 Jul 2004 2:06 pm **Operator: YH**
Sample : BNA60 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:40 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070107.D

(39) a,a-Dimethylphenethylamine (T)

5.96min 64.93ng m

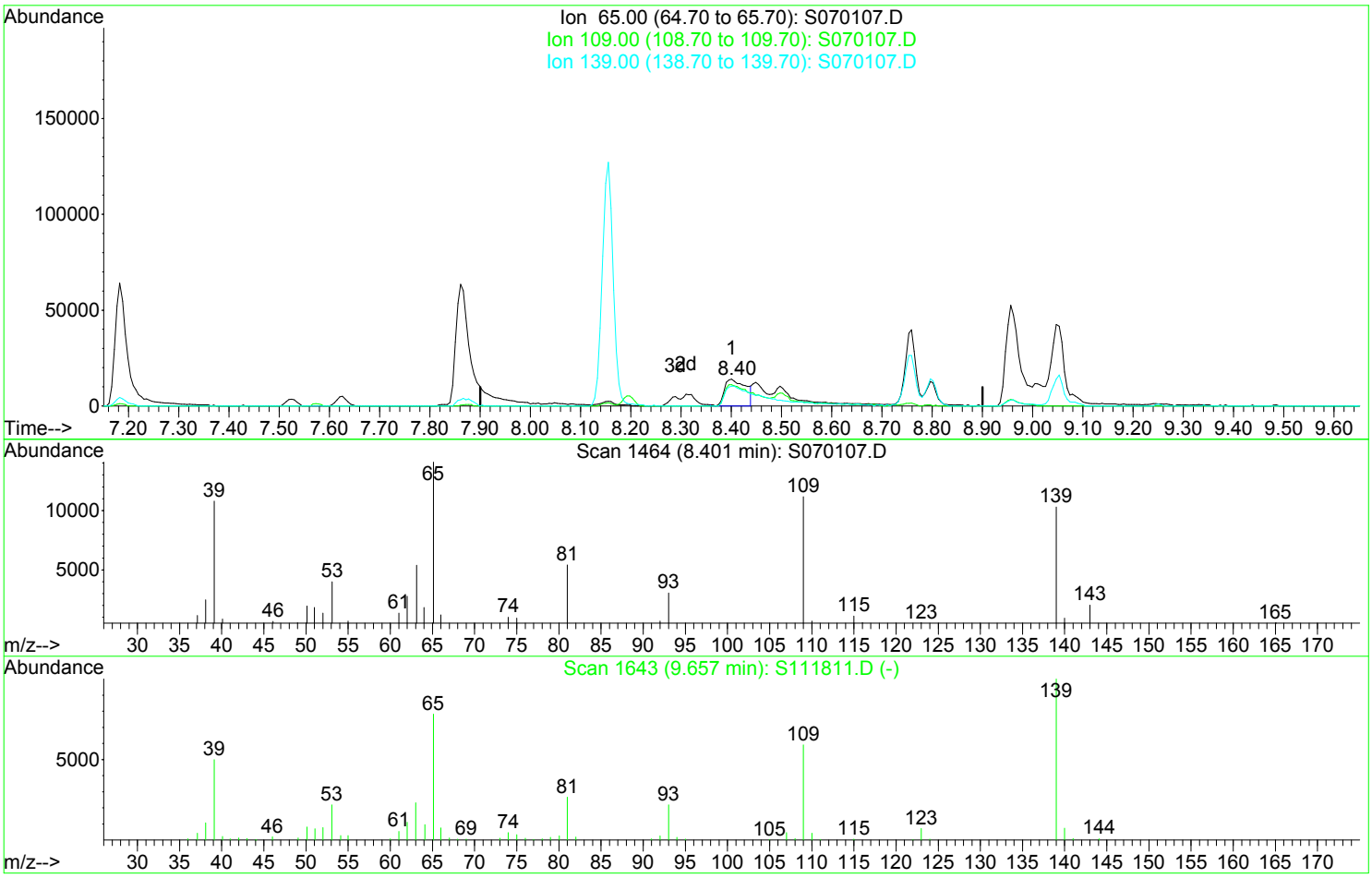
response 426221

Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070107.D **Vial: 6**
Acq On : 1 Jul 2004 2:06 pm **Operator: YH**
Sample : BNA60 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:40 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070107.D

(66) 4-Nitrophenol (PC)

8.40min 47.51ng m

response 41452

Ion	Exp%	Act%
65.00	100	100
109.00	94.10	105.14
139.00	116.80	130.52
0.00	0.00	0.00

S070107.D B070104.M Fri Jul 02 12:28:50 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:35:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	69149	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	261687	40.00	ng	0.00
45) Acenaphthene-d10	7.84	164	161600	40.00	ng	0.00
73) Phenanthrene-d10	10.52	188	317001	40.00	ng	0.00
92) Chrysene-d12	15.99	240	350863	40.00	ng	0.00
105) Perylene-d12	19.28	264	329936	40.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	2.84	112	148556	84.05	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 84.05%			
9) Phenol-d5	3.95	99	239317	83.85	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 83.85%			
24) Nitrobenzene-d5	4.69	82	255778	82.98	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 165.96%#			
50) 2-Fluorobiphenyl	6.82	172	476834	80.69	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 161.38%#			
72) 2,4,6-Tribromophenol	9.27	330	81851	84.41	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 84.41%			
94) 4-Terphenyl-d14	13.88	244	678345	79.02	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 158.04%#			

Target Compounds						Qvalue
2) Pyridine	0.88	79	164126	86.31	ng	100
3) 2-Picoline	1.72	93	131618	84.72	ng	100
4) Methyl methanesulfonate	2.55	80	106338	80.90	ng	100
6) Ethyl methanesulfonate	3.43	79	134440	83.32	ng	100
7) Benzaldehyde	3.68	105	67976m	70.54	ng	
8) Aniline	3.84	66	109738	83.56	ng	100
10) Phenol	3.96	94	221633	82.34	ng	100
11) Bis(2-chloroethyl)ether	3.91	63	141786	83.24	ng	100
12) 2-Chlorophenol	3.98	128	186880	80.37	ng	100
13) 1,3-Dichlorobenzene	4.07	146	212771	80.57	ng	100
14) 1,4-Dichlorobenzene	4.12	146	222707	79.49	ng	100
15) 1,2-Dichlorobenzene	4.30	146	212076	80.19	ng	100
16) Benzyl alcohol	4.32	108	116456	84.24	ng	100
17) Bis(2-chloroisopropyl)ethe	4.45	45	341082	80.28	ng	100
18) 2-Methylphenol	4.51	107	154510	79.18	ng	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:35:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	4.66	107	395117	161.78	ng		100
20)	N-Nitrosodi-n-propylamine	4.60	70	175102	81.77	ng		100
21)	N-Nitrosodimethylamine	0.89	42	57359	80.60	ng	#	100
22)	Hexachloroethane	4.60	117	102275	80.50	ng		100
25)	Acetophenone	4.55	105	582009	165.50	ng		100
26)	Nitrobenzene	4.71	77	260908	79.07	ng		100
27)	N-Nitrosopiperidine	4.87	114	94015	83.41	ng		100
28)	Isophorone	4.96	82	423428	81.38	ng		100
29)	2-Nitrophenol	5.04	139	106407	83.94	ng		100
30)	2,4-Dimethylphenol	5.15	122	168394	81.82	ng		100
31)	Bis(2-chloroethoxy)methane	5.21	93	218539	82.66	ng		100
32)	2,4-Dichlorophenol	5.35	162	171680	84.45	ng		100
33)	1,2,4-Trichlorobenzene	5.37	180	198072	81.44	ng		100
34)	Naphthalene	5.44	128	614813	81.09	ng		100
35)	Benzoic acid	5.37	122	58556	58.65	ng		100
36)	2,6-Dichlorophenol	5.56	162	172327	81.62	ng		100
37)	4-Chloroaniline	5.55	127	220460	85.60	ng		100
38)	Hexachlorobutadiene	5.65	225	128077	81.24	ng		100
39)	a,a-Dimethylphenethylamine	5.98	58	588590m	89.54	ng		
40)	Caprolactam	5.98	55	132638	87.38	ng		100
41)	4-Chloro-3-methylphenol	6.22	107	190019	83.22	ng		100
42)	N-Nitrosodi-n-butylamine	5.98	84	207126	86.90	ng		100
43)	2-Methylnaphthalene	6.27	142	422032	79.22	ng		100
44)	1-Methylnaphthalene	6.41	142	394498	80.59	ng		100
46)	1,2,4,5-Tetrachlorobenzene	6.55	216	209387	80.47	ng		100
47)	Hexachlorocyclopentadiene	6.58	237	86357	75.37	ng		100
48)	2,4,6-Trichlorophenol	6.74	196	129740	81.38	ng		100
49)	2,4,5-Trichlorophenol	6.85	196	135515	80.99	ng		100
51)	Biphenyl	6.94	154	588896	80.28	ng		100
52)	2-Chloronaphthalene	6.94	162	427476	81.46	ng		100
53)	1-Chloronaphthalene	6.99	162	380807	77.73	ng		100
54)	2-Nitroaniline	7.19	65	156647	86.04	ng		100
55)	3-Nitroaniline	7.87	138	112331	79.40	ng		100
56)	Pentachlorobenzene	8.21	250	192790	81.91	ng		100
57)	4-Nitroaniline	8.97	138	105529	81.06	ng		100
58)	2-Naphthylamine	8.33	143	355242	83.93	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:35:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
59)	1-Naphthylamine	8.46	143	314671	84.11 ng	100
60)	Dimethyl phthalate	7.54	163	478954	81.75 ng	100
61)	Acenaphthylene	7.58	152	601454	80.81 ng	100
62)	2,6-Dinitrotoluene	7.64	165	104206	83.27 ng	100
63)	Acenaphthene	7.89	154	410003	81.32 ng	100
64)	2,4-Dinitrophenol	8.05	184	47111	76.78 ng	100
65)	Dibenzofuran	8.17	168	578046	80.98 ng	100
66)	4-Nitrophenol	8.40	65	58867m	66.59 ng	
67)	2,4-Dinitrotoluene	8.30	165	148111	85.89 ng	100
68)	2,3,4,6-Tetrachlorophenol	8.51	232	119129	85.61 ng	100
69)	Diethyl phthalate	8.77	149	550969	83.04 ng	100
70)	Fluorene	8.77	166	526459	82.39 ng	100
71)	4-Chlorophenyl phenyl ethe	8.81	204	248538	81.75 ng	100
74)	4,6-Dinitro-2-methylphenol	9.03	198	94637	76.46 ng	100
75)	Azobenzene	9.10	77	730181	86.41 ng	100
76)	1,2-Diphenylhydrazine	9.10	182	140032	79.25 ng	100
77)	Diphenylamine	9.07	170	101000	80.98 ng	100
78)	N-Nitrosodiphenylamine	9.07	168	515626	81.01 ng	100
79)	4-Bromophenyl phenyl ether	9.70	248	152198	81.30 ng	100
80)	Phenacetin	9.81	108	266258	86.98 ng	100
81)	Hexachlorobenzene	9.94	284	159556	80.23 ng	100
82)	Atrazine	10.22	200	149284	81.37 ng	100
83)	4-Aminobiphenyl	10.24	169	428374	82.61 ng	100
84)	Pentachlorophenol	10.36	266	70491	76.73 ng	100
85)	Pentachloronitrobenzene	10.48	237	85563	82.69 ng	100
86)	Pronamide	10.52	173	248060	82.49 ng	100
87)	Phenanthrene	10.56	178	759668	80.22 ng	100
88)	Anthracene	10.66	178	759277	79.82 ng	100
89)	Carbazole	11.05	167	721489	82.64 ng	100
90)	Di-n-butyl phthalate	11.99	149	914585	82.56 ng	100
91)	Fluoranthene	12.97	202	898352	82.58 ng	100
93)	Pyrene	13.41	202	935439	78.58 ng	100
95)	Benzidine	13.37	184	181109m	75.92 ng	
96)	Dimethylaminoazobenzene	14.23	225	203650	83.72 ng	100
97)	Butyl benzyl phthalate	15.07	149	461788	83.39 ng	100
98)	Benz(a)anthracene	15.95	228	977539	81.83 ng	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:35:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

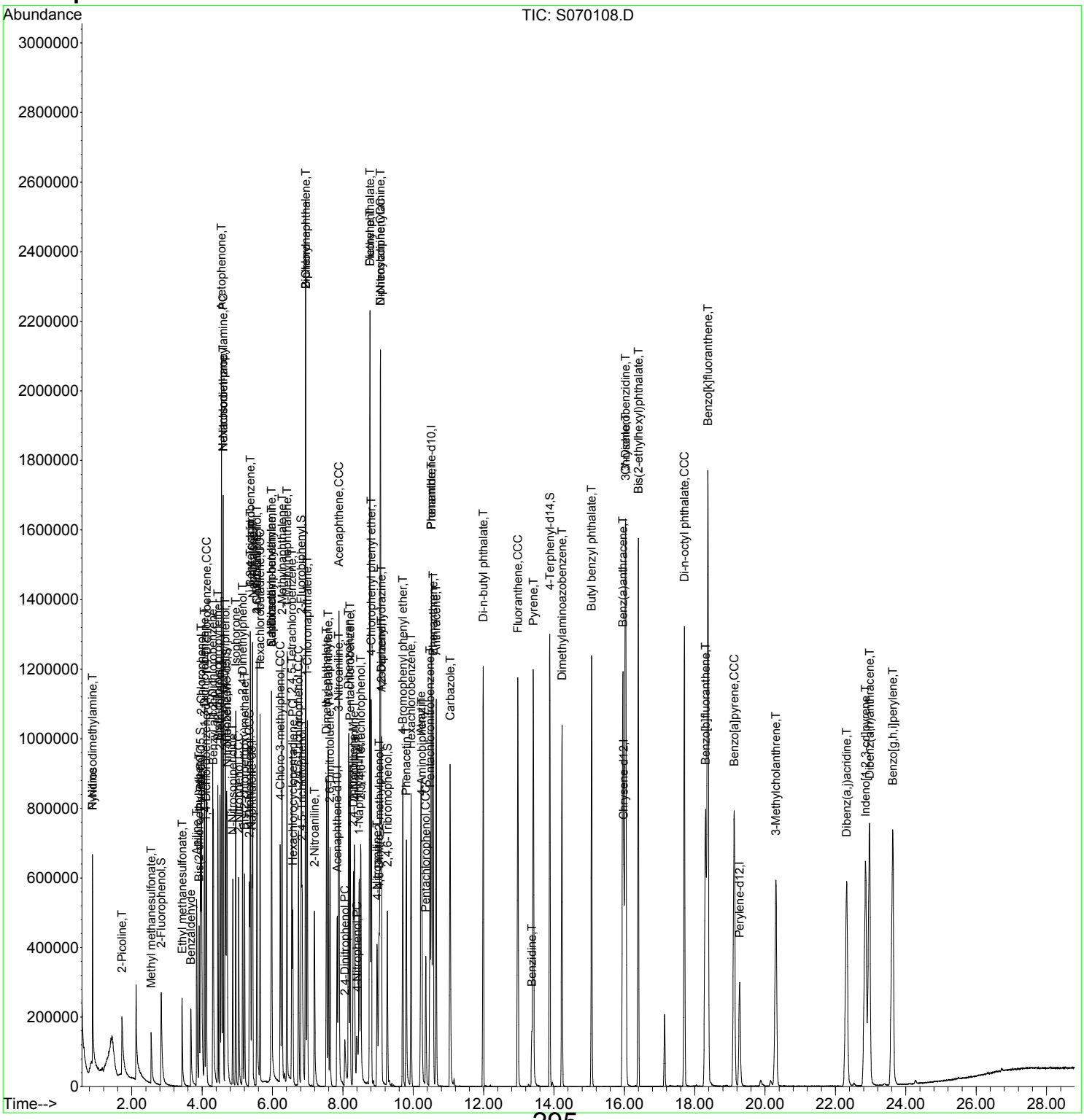
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.02	252	345202	80.56	ng		100
100)	Chrysene	16.04	228	947396	80.34	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.40	149	657902	84.16	ng		100
102)	Di-n-octyl phthalate	17.71	149	1144153	84.25	ng		100
103)	3-Methylcholanthrene	20.31	268	487747	81.43	ng		100
104)	Indeno[1,2,3-cd]pyrene	22.86	276	1119877	79.93	ng	#	100
106)	Benzo[b]fluoranthene	18.31	252	1001355	79.11	ng		100
107)	Benzo[k]fluoranthene	18.38	252	968799	79.41	ng		100
108)	Benzo[a]pyrene	19.12	252	967925	82.96	ng		100
109)	Dibenz(a,j)acridine	22.32	279	971838	81.93	ng		100
110)	Dibenz(a,h)anthracene	22.97	278	1059522	80.65	ng		100
111)	Benzo[g,h,i]perylene	23.63	276	1214839	82.12	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:58 2004 Quant Results File: B070104.RES

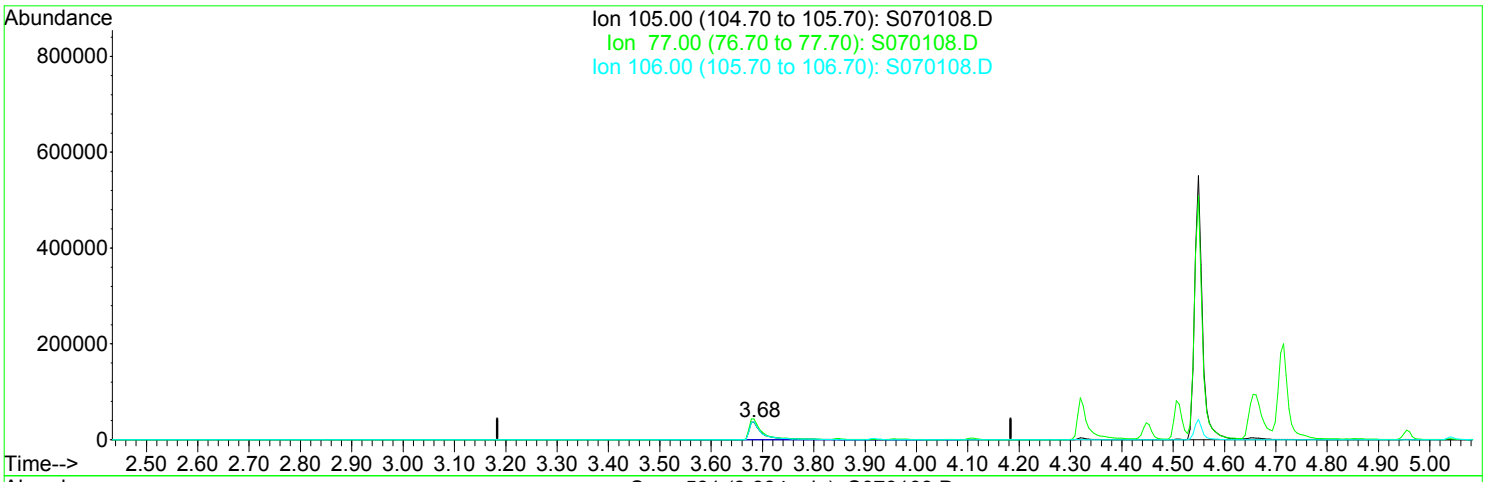
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

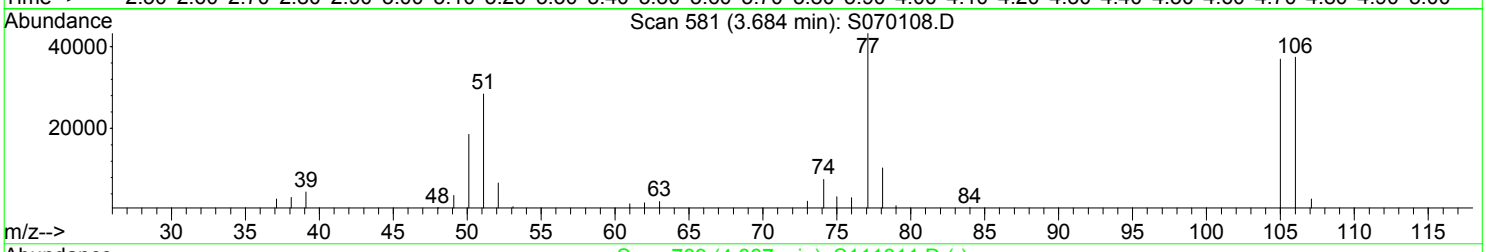


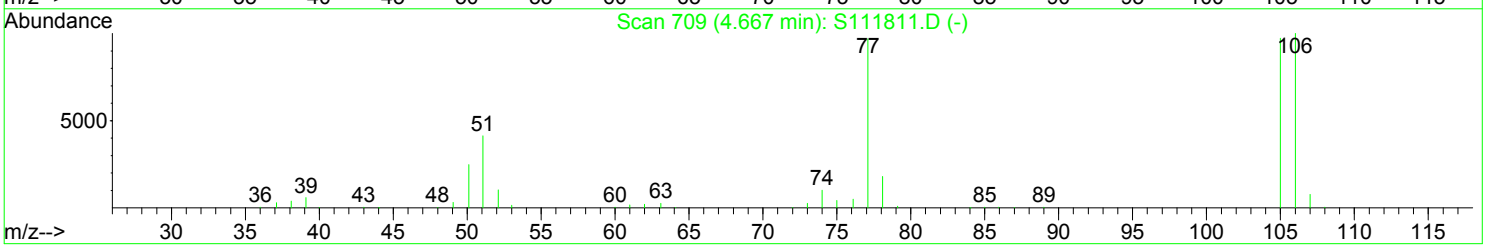
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:58 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070108.D

(7) Benzaldehyde

3.68min 70.54ng m

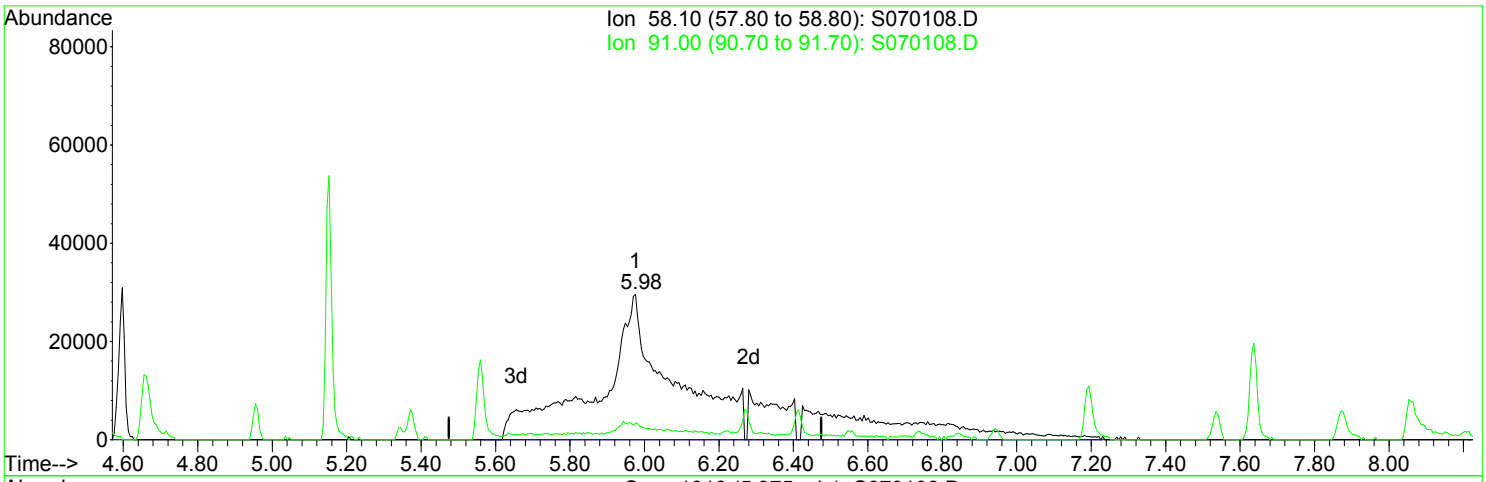
response 67976

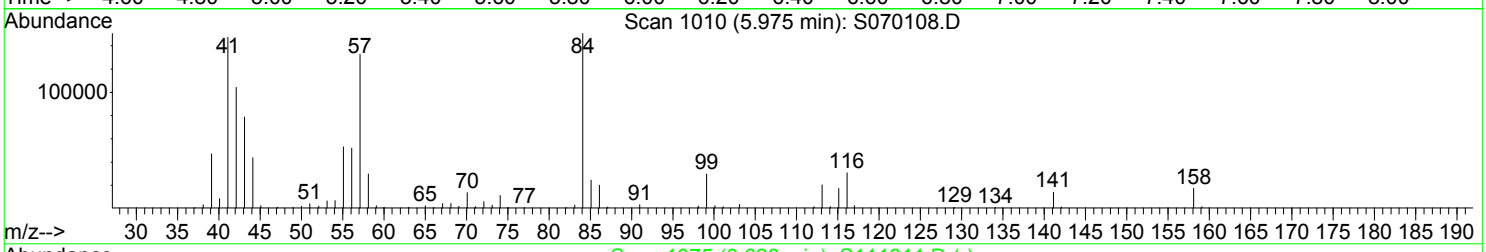
Ion	Exp%	Act%
105.00	100	100
77.00	124.10	118.61
106.00	104.00	99.42
0.00	0.00	0.00

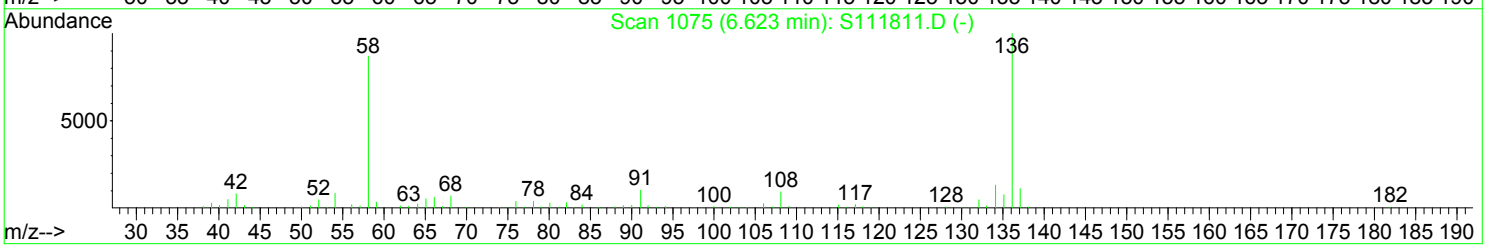
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D **Vial: 7**
Acq On : 1 Jul 2004 2:44 pm **Operator: YH**
Sample : BNA80 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:58 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070108.D

(39) a,a-Dimethylphenethylamine (T)

5.98min 89.54ng m

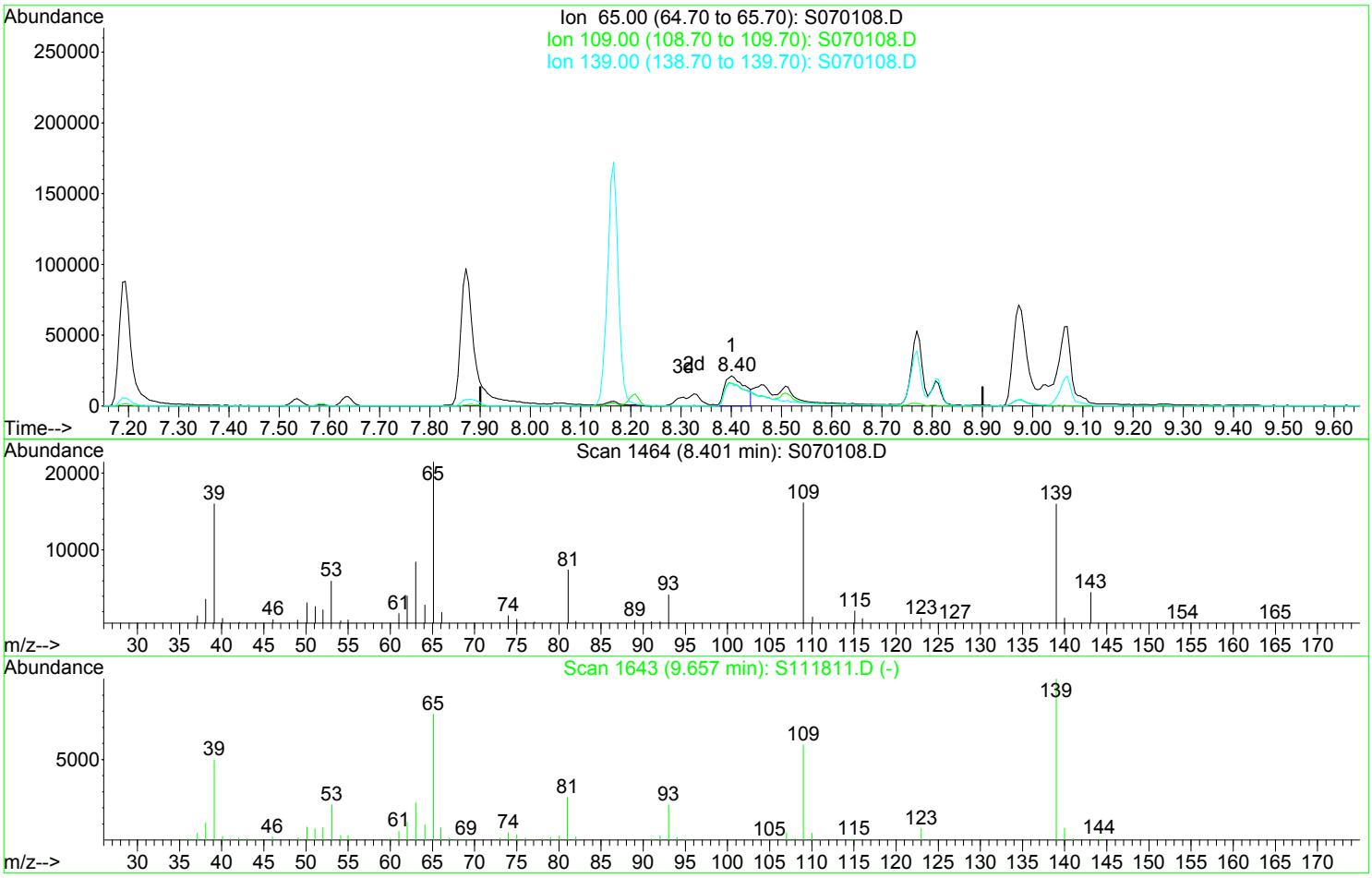
response 588590

Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D **Vial: 7**
Acq On : 1 Jul 2004 2:44 pm **Operator: YH**
Sample : BNA80 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:58 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070108.D

(66) 4-Nitrophenol (PC)

8.40min 66.59ng m

response 58867

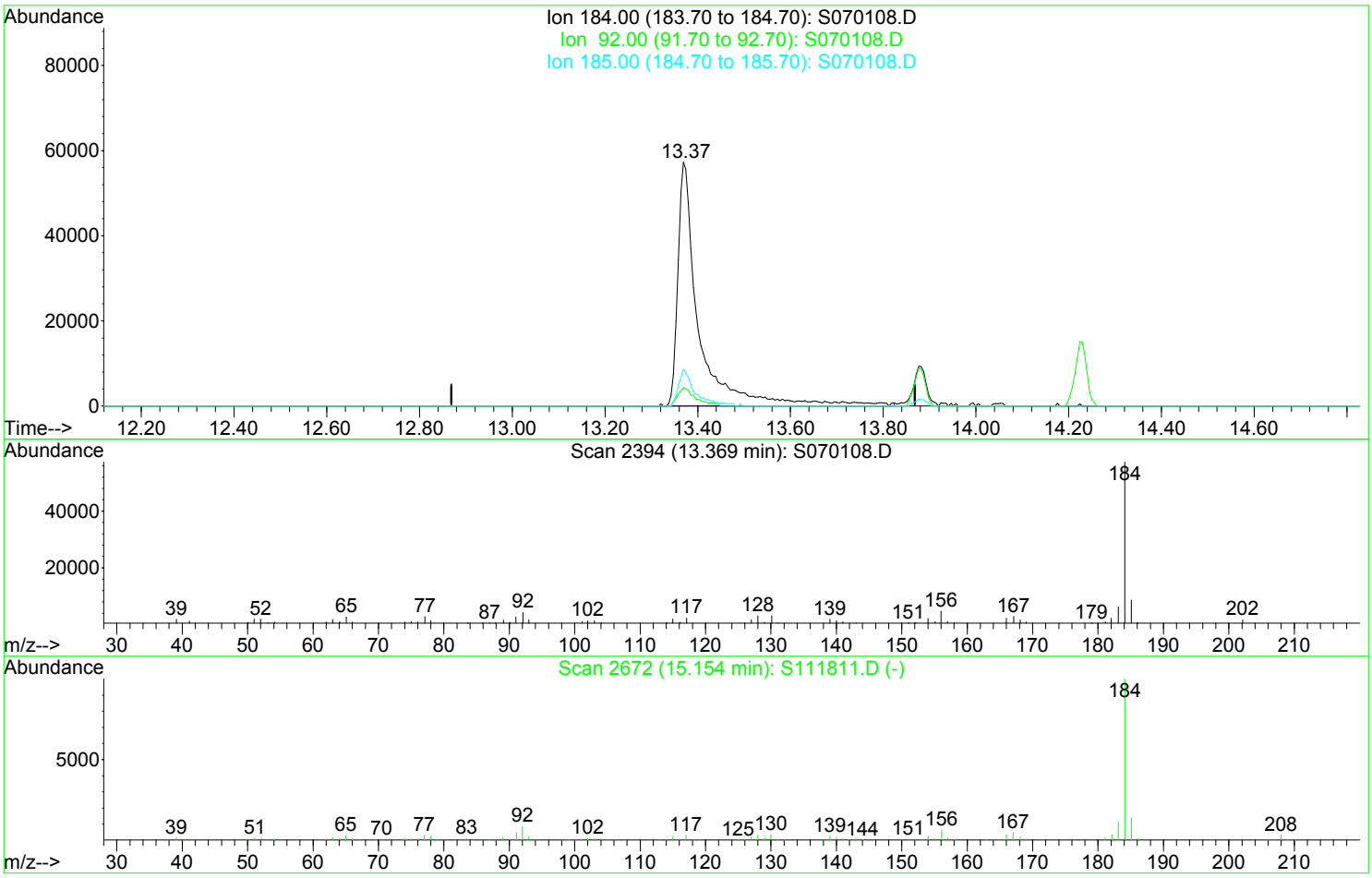
Ion	Exp%	Act%
65.00	100	100
109.00	94.10	108.59
139.00	116.80	134.79
0.00	0.00	0.00

S070108.D B070104.M Fri Jul 02 12:30:29 2004

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070108.D Vial: 7
Acq On : 1 Jul 2004 2:44 pm Operator: YH
Sample : BNA80 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:58 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070108.D

(95) Benzidine (T)

13.37min 75.92ng m

response 181109

Ion	Exp%	Act%
184.00	100	100
92.00	5.70	6.38
185.00	10.60	11.85
0.00	0.00	0.00

S070108.D B070104.M Fri Jul 02 12:30:56 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:37:37 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.12	152	93998	40.00 ng	0.01
23) Naphthalene-d8	5.43	136	374890	40.00 ng	0.01
45) Acenaphthene-d10	7.85	164	230517	40.00 ng	0.01
73) Phenanthrene-d10	10.54	188	461002	40.00 ng	0.02
92) Chrysene-d12	16.01	240	500791	40.00 ng	0.02
105) Perylene-d12	19.31	264	476954	40.00 ng	0.03

System Monitoring Compounds					
5) 2-Fluorophenol	2.83	112	327240	136.20 ng	-0.01
Spiked Amount 100.000	Range 21 - 110		Recovery = 136.20%#		
9) Phenol-d5	3.95	99	521477	134.41 ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 134.41%#		
24) Nitrobenzene-d5	4.71	82	537990	121.83 ng	0.02
Spiked Amount 50.000	Range 34 - 114		Recovery = 243.66%#		
50) 2-Fluorobiphenyl	6.84	172	1038834	123.23 ng	0.02
Spiked Amount 50.000	Range 43 - 116		Recovery = 246.46%#		
72) 2,4,6-Tribromophenol	9.28	330	181596	131.28 ng	0.02
Spiked Amount 100.000	Range 10 - 123		Recovery = 131.28%#		
94) 4-Terphenyl-d14	13.90	244	1510381	123.26 ng	0.02
Spiked Amount 50.000	Range 33 - 141		Recovery = 246.52%#		

Target Compounds						Qvalue
2) Pyridine	0.88	79	321608	124.41 ng		97
3) 2-Picoline	1.71	93	288277	136.50 ng		96
4) Methyl methanesulfonate	2.56	80	239263	133.91 ng		96
6) Ethyl methanesulfonate	3.44	79	285199	130.03 ng		98
7) Benzaldehyde	3.68	105	101559	77.53 ng		96
8) Aniline	3.85	66	233869	131.01 ng		96
10) Phenol	3.96	94	477708	130.56 ng	#	75
11) Bis(2-chloroethyl)ether	3.92	63	301105	130.04 ng		98
12) 2-Chlorophenol	3.98	128	405715	128.36 ng		98
13) 1,3-Dichlorobenzene	4.07	146	445077	123.98 ng		99
14) 1,4-Dichlorobenzene	4.13	146	472575	124.08 ng		100
15) 1,2-Dichlorobenzene	4.31	146	444160	123.55 ng		99
16) Benzyl alcohol	4.33	108	259621	138.15 ng		99
17) Bis(2-chloroisopropyl)ethe	4.46	45	693949	120.15 ng		98
18) 2-Methylphenol	4.52	107	323265	121.86 ng		97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:37:37 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	4.66	107	856415	257.96 ng	100
20)	N-Nitrosodi-n-propylamine	4.62	70	371296	127.56 ng	99
21)	N-Nitrosodimethylamine	0.88	42	116466	117.51 ng	96
22)	Hexachloroethane	4.60	117	211570	122.50 ng	98
25)	Acetophenone	4.56	105	1272618	252.61 ng	99
26)	Nitrobenzene	4.73	77	570818	120.75 ng	98
27)	N-Nitrosopiperidine	4.89	114	200835	124.37 ng	98
28)	Isophorone	4.97	82	906632	121.63 ng	100
29)	2-Nitrophenol	5.05	139	229281	126.25 ng	100
30)	2,4-Dimethylphenol	5.16	122	370568	125.69 ng	99
31)	Bis(2-chloroethoxy)methane	5.22	93	458747	121.12 ng	98
32)	2,4-Dichlorophenol	5.34	162	369882	127.00 ng	99
33)	1,2,4-Trichlorobenzene	5.38	180	427298	122.64 ng	100
34)	Naphthalene	5.45	128	1332485	122.68 ng	100
35)	Benzoic acid	5.41	122	166563	121.98 ng	94
36)	2,6-Dichlorophenol	5.57	162	384040	126.97 ng	100
37)	4-Chloroaniline	5.57	127	496048	134.45 ng	98
38)	Hexachlorobutadiene	5.66	225	281038	124.43 ng	99
39)	a,a-Dimethylphenethylamine	6.13	58	1207547m	128.22 ng	
40)	Caprolactam	6.04	55	269507m	123.94 ng	
41)	4-Chloro-3-methylphenol	6.24	107	415337	126.98 ng	98
42)	N-Nitrosodi-n-butylamine	5.99	84	386140	113.09 ng	88
43)	2-Methylnaphthalene	6.29	142	910592	119.31 ng	99
44)	1-Methylnaphthalene	6.42	142	859175	122.52 ng	99
46)	1,2,4,5-Tetrachlorobenzene	6.56	216	457009	123.12 ng	99
47)	Hexachlorocyclopentadiene	6.59	237	220055	124.30 ng	99
48)	2,4,6-Trichlorophenol	6.76	196	285356	125.47 ng	99
49)	2,4,5-Trichlorophenol	6.85	196	300068	125.72 ng	99
51)	Biphenyl	6.96	154	1365747	130.51 ng	99
52)	2-Chloronaphthalene	6.96	162	993413	132.71 ng	99
53)	1-Chloronaphthalene	7.01	162	808067	115.63 ng	98
54)	2-Nitroaniline	7.21	65	338619	130.39 ng	99
55)	3-Nitroaniline	7.89	138	255117	123.75 ng	97
56)	Pentachlorobenzene	8.22	250	413358	123.12 ng	100
57)	4-Nitroaniline	9.02	138	236003	123.68 ng	97
58)	2-Naphthylamine	8.35	143	743106	123.08 ng	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:37:37 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.48	143	660113	123.69 ng		98
60)	Dimethyl phthalate	7.56	163	1015958	121.57 ng		100
61)	Acenaphthylene	7.60	152	1299687	122.41 ng		100
62)	2,6-Dinitrotoluene	7.66	165	224221	125.61 ng		99
63)	Acenaphthene	7.91	154	904403	125.76 ng		100
64)	2,4-Dinitrophenol	8.07	184	124809	123.12 ng		98
65)	Dibenzofuran	8.18	168	1241209	121.90 ng		100
66)	4-Nitrophenol	8.40	65	154119	122.22 ng		93
67)	2,4-Dinitrotoluene	8.33	165	320609	130.34 ng		95
68)	2,3,4,6-Tetrachlorophenol	8.53	232	265458	133.73 ng		99
69)	Diethyl phthalate	8.80	149	1217328	128.62 ng		98
70)	Fluorene	8.79	166	1166864	128.02 ng		99
71)	4-Chlorophenyl phenyl ethe	8.83	204	546833	126.10 ng		100
74)	4,6-Dinitro-2-methylphenol	9.07	198	232537	123.11 ng	#	1
75)	Azobenzene	9.12	77	1634784	133.04 ng		90
76)	1,2-Diphenylhydrazine	9.12	182	326216	126.95 ng	#	93
77)	Diphenylamine	9.10	170	230749	127.22 ng		99
78)	N-Nitrosodiphenylamine	9.10	168	1172543	126.68 ng		100
79)	4-Bromophenyl phenyl ether	9.72	248	330026	121.23 ng		99
80)	Phenacetin	9.85	108	589978	132.53 ng		99
81)	Hexachlorobenzene	9.96	284	338810	117.14 ng		99
82)	Atrazine	10.25	200	322888	121.03 ng		97
83)	4-Aminobiphenyl	10.26	169	965972	128.10 ng		100
84)	Pentachlorophenol	10.38	266	173626	121.23 ng		99
85)	Pentachloronitrobenzene	10.51	237	185883	123.52 ng		98
86)	Pronamide	10.55	173	547421	125.17 ng		99
87)	Phenanthrene	10.59	178	1662911	120.75 ng		97
88)	Anthracene	10.68	178	1655425	119.67 ng		100
89)	Carbazole	11.07	167	1576671	124.19 ng		100
90)	Di-n-butyl phthalate	12.01	149	2008205	124.65 ng		100
91)	Fluoranthene	13.00	202	1983879	125.41 ng		99
93)	Pyrene	13.44	202	2052278	120.79 ng		100
95)	Benzidine	13.39	184	402063m	124.68 ng		
96)	Dimethylaminoazobenzene	14.25	225	440947	127.00 ng		97
97)	Butyl benzyl phthalate	15.09	149	966496	122.28 ng		100
98)	Benz(a)anthracene	15.98	228	2071929	121.52 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:37:37 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

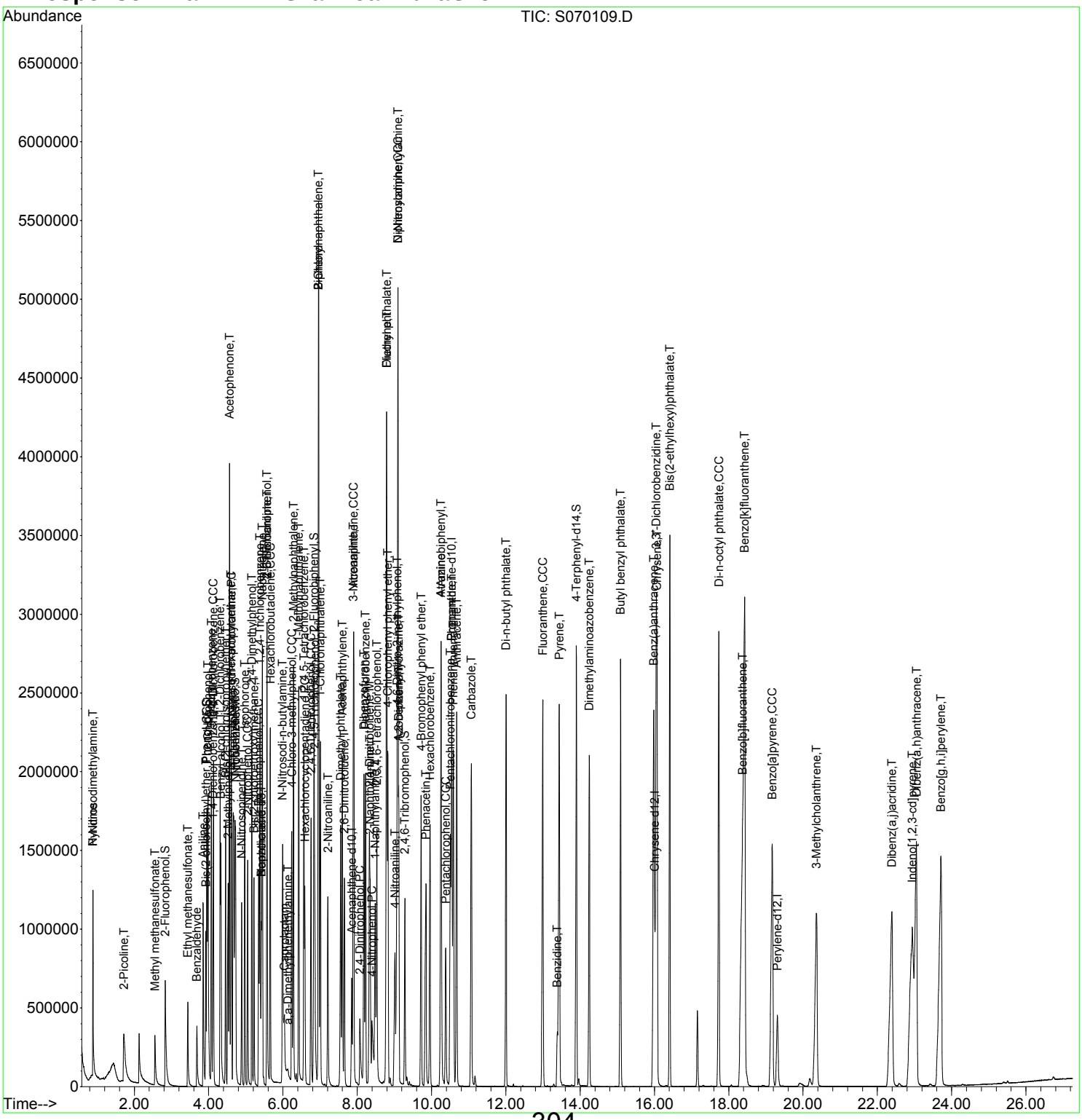
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.05	252	771997	126.23	ng		99
100)	Chrysene	16.07	228	2037437	121.04	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.41	149	1398191	125.31	ng		99
102)	Di-n-octyl phthalate	17.73	149	2456243	126.72	ng		99
103)	3-Methylcholanthrene	20.36	268	1053986	123.29	ng		100
104)	Indeno[1,2,3-cd]pyrene	22.94	276	2588575	129.44	ng	#	100
106)	Benzo[b]fluoranthene	18.37	252	2513470	137.35	ng		98
107)	Benzo[k]fluoranthene	18.43	252	2002585m	113.55	ng		
108)	Benzo[a]pyrene	19.17	252	2078620	123.25	ng		100
109)	Dibenz(a,j)acridine	22.39	279	2196337	128.09	ng		100
110)	Dibenz(a,h)anthracene	23.05	278	2470092	130.07	ng		99
111)	Benzo[g,h,i]perylene	23.71	276	2758882	129.00	ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:39 2004 Quant Results File: B070104.RES

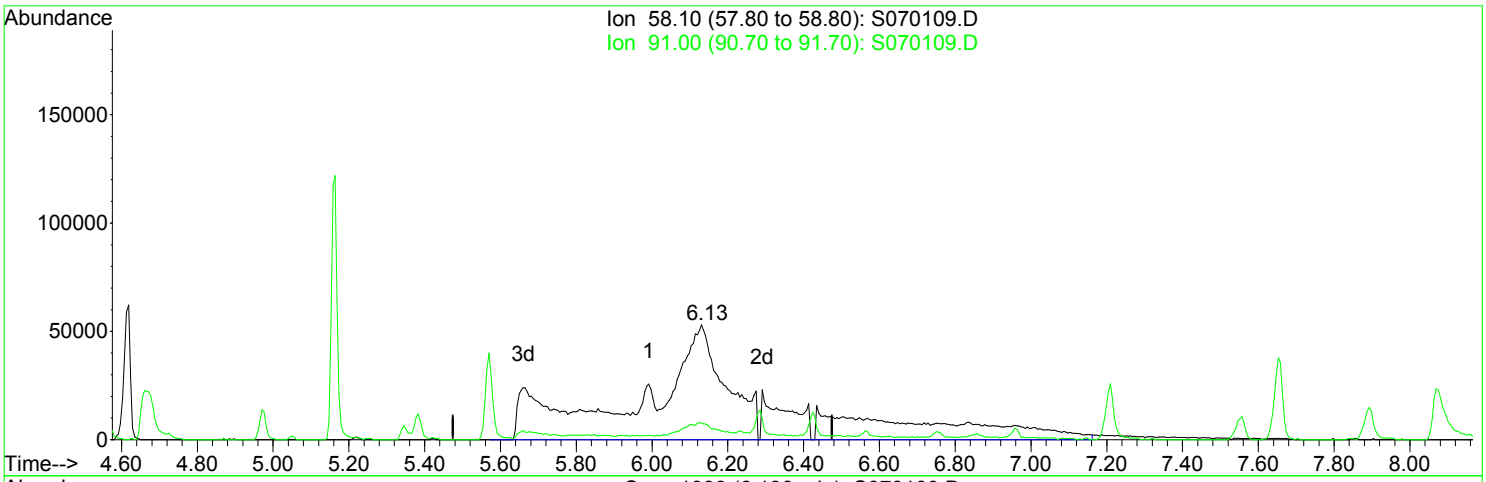
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

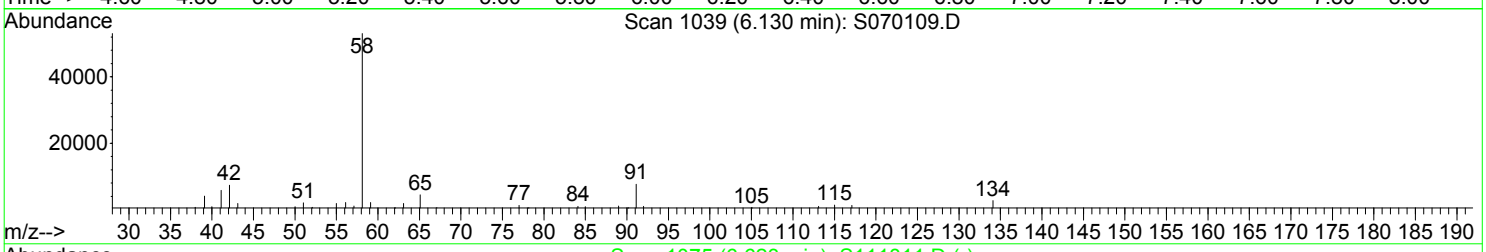


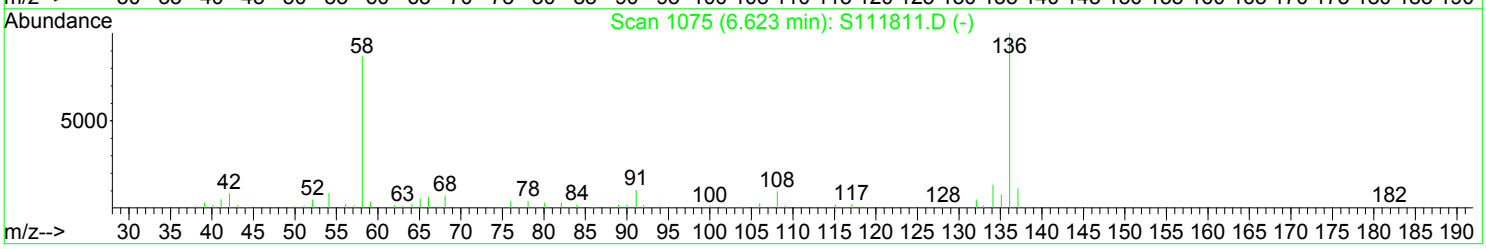
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D **Vial: 8**
Acq On : 1 Jul 2004 3:22 pm **Operator: YH**
Sample : BNA120 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:39 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070109.D

(39) a,a-Dimethylphenethylamine (T)

6.13min 128.22ng m

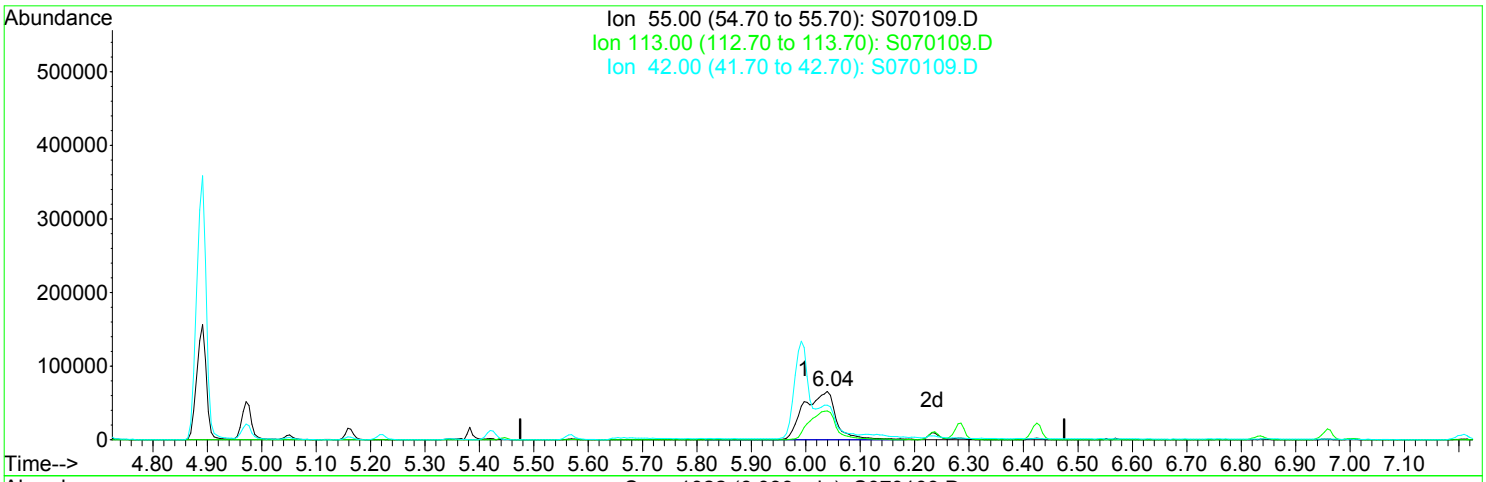
response 1207547

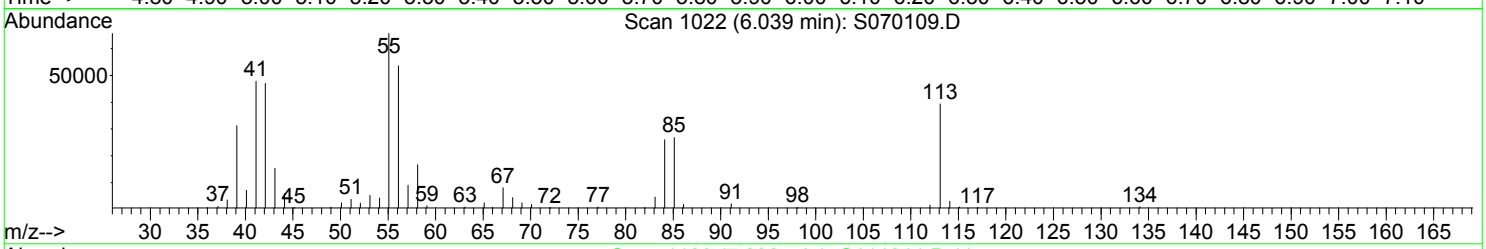
Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

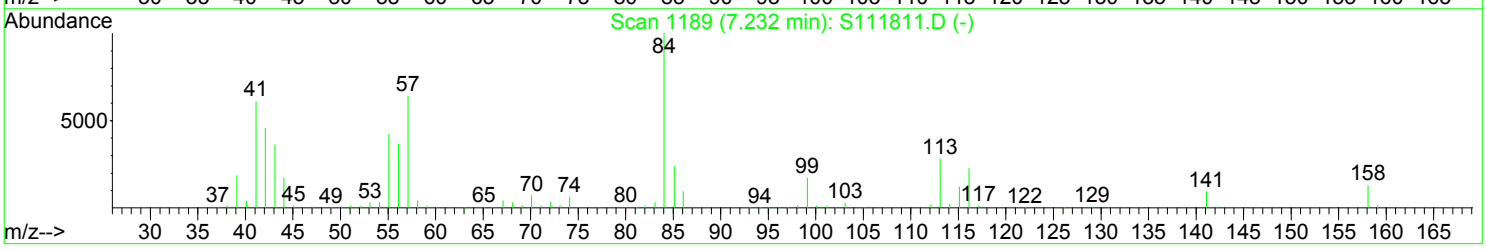
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D **Vial: 8**
Acq On : 1 Jul 2004 3:22 pm **Operator: YH**
Sample : BNA120 2275 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:39 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070109.D

(40) Caprolactam

6.04min 123.94ng m

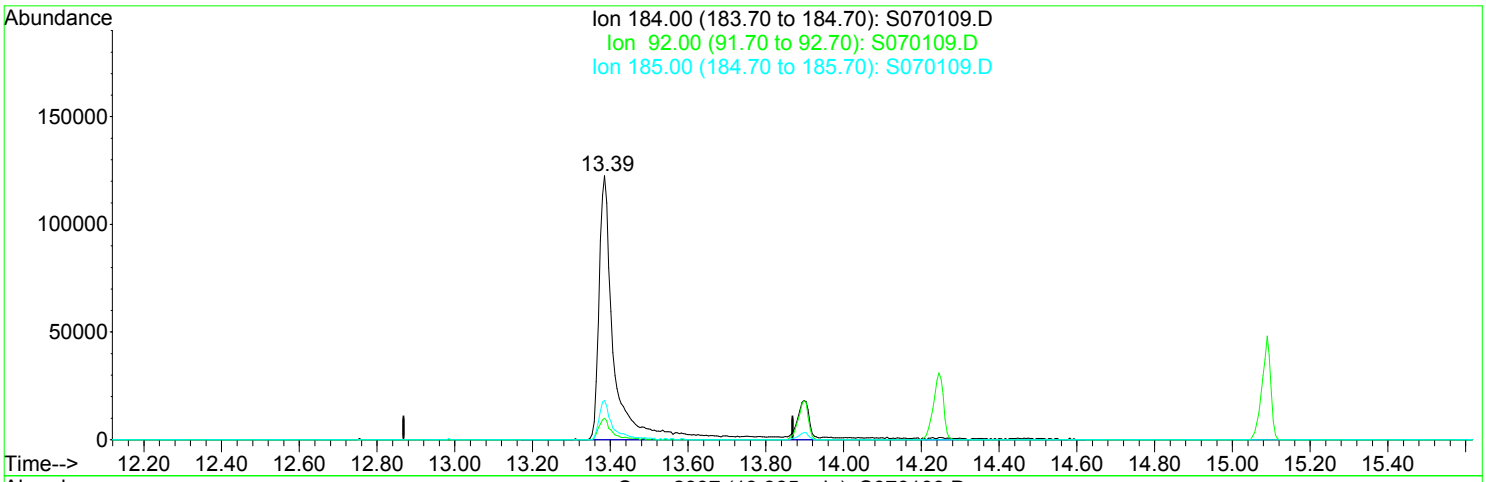
response 269507

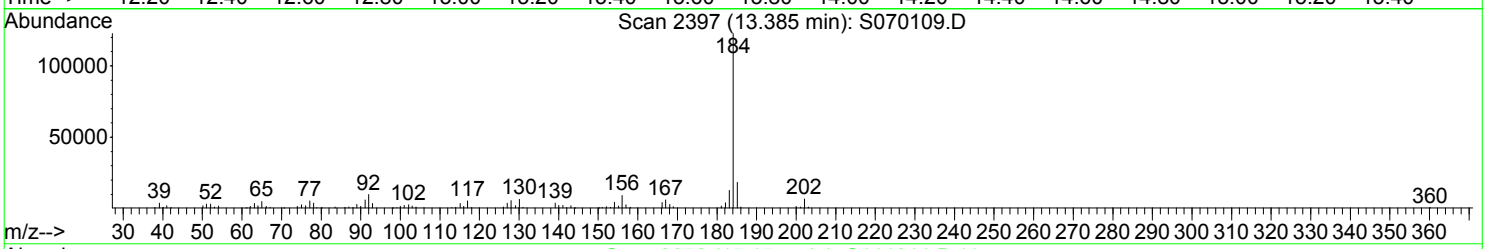
Ion	Exp%	Act%
55.00	100	100
113.00	47.40	50.54
42.00	129.70	90.79#
0.00	0.00	0.00

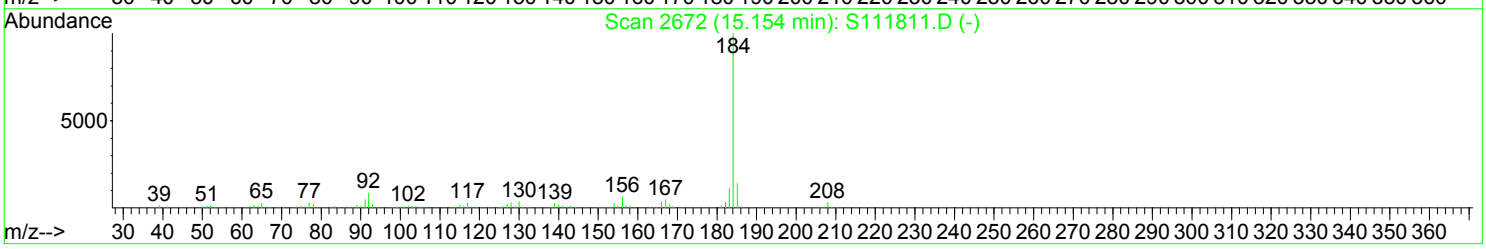
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:39 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070109.D

(95) Benzidine (T)

13.39min 124.68ng m

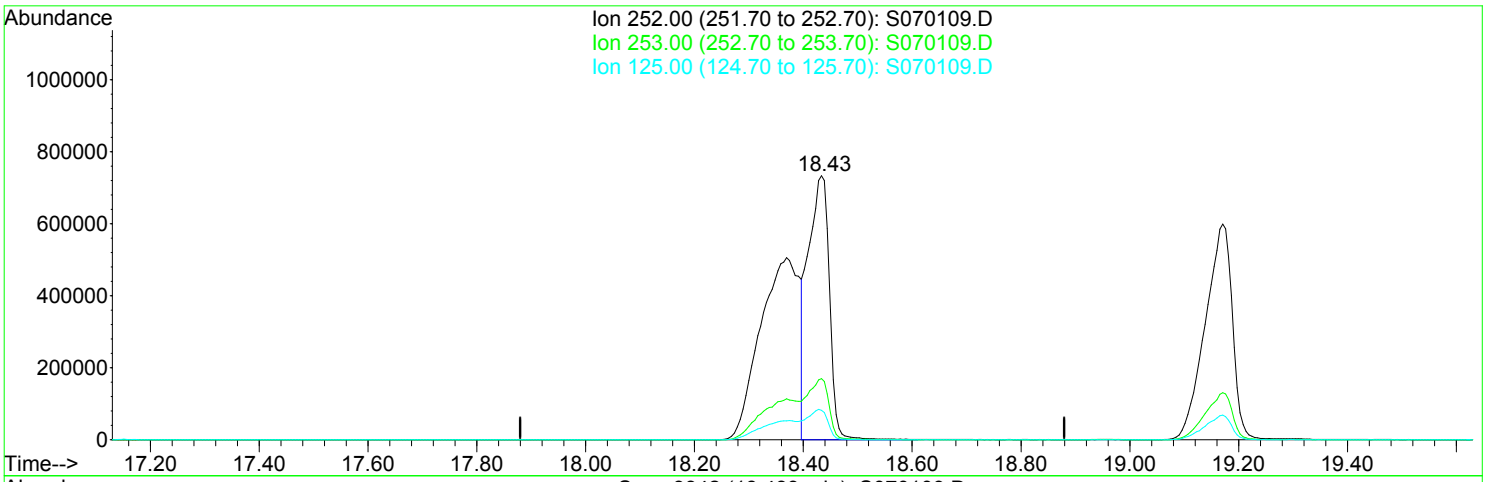
response 402063

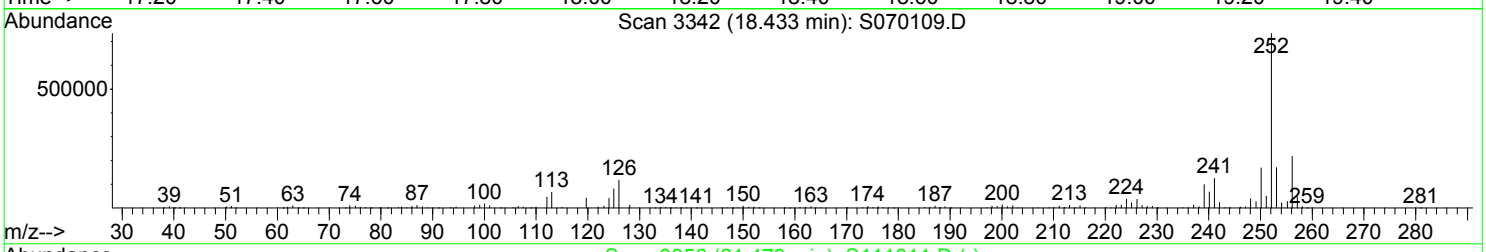
Ion	Exp%	Act%
184.00	100	100
92.00	5.70	5.71
185.00	10.60	10.58
0.00	0.00	0.00

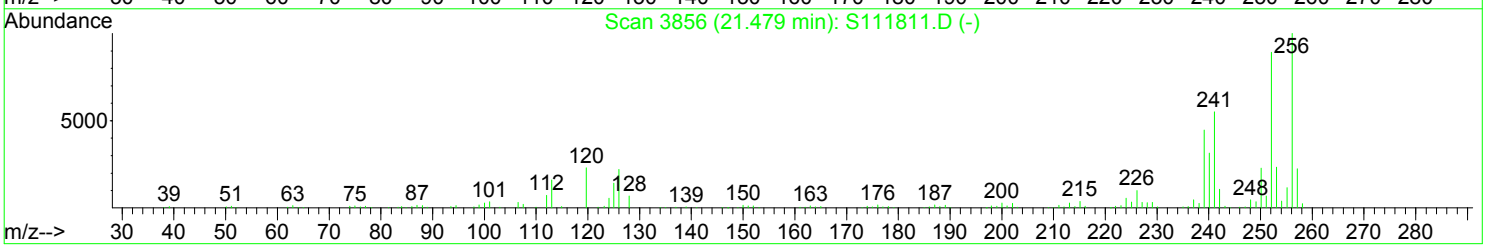
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070109.D Vial: 8
Acq On : 1 Jul 2004 3:22 pm Operator: YH
Sample : BNA120 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:39 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070109.D

(107) Benzo[k]fluoranthene (T)

18.43min 113.55ng m

response 2002585

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	26.69
125.00	11.50	11.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:39:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	65676	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	248096	40.00	ng	0.00
45) Acenaphthene-d10	7.84	164	148949	40.00	ng	0.00
73) Phenanthrene-d10	10.53	188	292754	40.00	ng	0.01
92) Chrysene-d12	15.99	240	315090	40.00	ng	0.00
105) Perylene-d12	19.28	264	318898	40.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	297746	177.37	ng	0.00
Spiked Amount 100.000	Range 21 - 110		Recovery = 177.37%#			
9) Phenol-d5	3.95	99	457127	168.63	ng	0.00
Spiked Amount 100.000	Range 10 - 110		Recovery = 168.63%#			
24) Nitrobenzene-d5	4.70	82	487691	166.88	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 333.76%#			
50) 2-Fluorobiphenyl	6.82	172	911192	167.28	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 334.56%#			
72) 2,4,6-Tribromophenol	9.27	330	154337	172.67	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 172.67%#			
94) 4-Terphenyl-d14	13.89	244	1261574	163.64	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 327.28%#			

Target Compounds							Qvalue
2) Pyridine	0.88	79	279661	154.84	ng		97
3) 2-Picoline	1.72	93	255230	172.97	ng		98
4) Methyl methanesulfonate	2.55	80	206338	165.28	ng		98
6) Ethyl methanesulfonate	3.43	79	252263	164.61	ng		98
7) Benzaldehyde	3.68	105	74525	81.42	ng		94
8) Aniline	3.85	66	195487	156.73	ng		100
10) Phenol	3.96	94	421202	164.75	ng	#	75
11) Bis(2-chloroethyl)ether	3.92	63	280947	173.65	ng		99
12) 2-Chlorophenol	3.98	128	369002	167.09	ng		98
13) 1,3-Dichlorobenzene	4.07	146	416137	165.90	ng		100
14) 1,4-Dichlorobenzene	4.13	146	439487	165.15	ng		99
15) 1,2-Dichlorobenzene	4.30	146	411170	163.70	ng		99
16) Benzyl alcohol	4.32	108	231889	176.61	ng		99
17) Bis(2-chloroisopropyl)ethe	4.45	45	639514	158.48	ng		99
18) 2-Methylphenol	4.52	107	293822	158.53	ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:39:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
19)	4-Methylphenol	4.67	107	758439	326.97 ng	98
20)	N-Nitrosodi-n-propylamine	4.61	70	331086	162.80 ng	100
21)	N-Nitrosodimethylamine	0.89	42	113582	161.70 ng	98
22)	Hexachloroethane	4.60	117	198500	164.50 ng	99
25)	Acetophenone	4.55	105	1137513	341.18 ng	99
26)	Nitrobenzene	4.72	77	513974	164.29 ng	98
27)	N-Nitrosopiperidine	4.88	114	178783	167.30 ng	97
28)	Isophorone	4.97	82	800571	162.29 ng	100
29)	2-Nitrophenol	5.05	139	206021	171.42 ng	100
30)	2,4-Dimethylphenol	5.15	122	331910	170.11 ng	100
31)	Bis(2-chloroethoxy)methane	5.21	93	409617	163.42 ng	98
32)	2,4-Dichlorophenol	5.34	162	325385	168.83 ng	99
33)	1,2,4-Trichlorobenzene	5.38	180	386345	167.55 ng	99
34)	Naphthalene	5.44	128	1186702	165.09 ng	100
35)	Benzoic acid	5.40	122	152672	171.12 ng	92
36)	2,6-Dichlorophenol	5.57	162	336199	167.96 ng	100
37)	4-Chloroaniline	5.56	127	409964	167.90 ng	99
38)	Hexachlorobutadiene	5.65	225	253197	169.39 ng	99
39)	a,a-Dimethylphenethylamine	6.10	58	1055210m	169.31 ng	
40)	Caprolactam	5.99	55	236325m	164.22 ng	
41)	4-Chloro-3-methylphenol	6.23	107	363114	167.75 ng	100
42)	N-Nitrosodi-n-butylamine	5.98	84	384551	170.18 ng	99
43)	2-Methylnaphthalene	6.27	142	807959	159.97 ng	99
44)	1-Methylnaphthalene	6.42	142	767192	165.31 ng	97
46)	1,2,4,5-Tetrachlorobenzene	6.56	216	404747	168.75 ng	99
47)	Hexachlorocyclopentadiene	6.58	237	189090	160.96 ng	98
48)	2,4,6-Trichlorophenol	6.74	196	251000	170.80 ng	99
49)	2,4,5-Trichlorophenol	6.85	196	267373	173.36 ng	97
51)	Biphenyl	6.95	154	1183757	175.07 ng	99
52)	2-Chloronaphthalene	6.95	162	845853	174.88 ng	100
53)	1-Chloronaphthalene	7.00	162	716760	158.73 ng	100
54)	2-Nitroaniline	7.20	65	287957	171.60 ng	98
55)	3-Nitroaniline	7.88	138	211695	157.64 ng	99
56)	Pentachlorobenzene	8.21	250	364521	168.03 ng	100
57)	4-Nitroaniline	9.00	138	196223	157.44 ng	97
58)	2-Naphthylamine	8.34	143	609075	156.12 ng	100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:39:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.47	143	520217	150.86 ng		98
60)	Dimethyl phthalate	7.55	163	890557	164.92 ng		100
61)	Acenaphthylene	7.59	152	1131700	164.96 ng		99
62)	2,6-Dinitrotoluene	7.65	165	196770	170.60 ng		98
63)	Acenaphthene	7.90	154	776366	167.07 ng		99
64)	2,4-Dinitrophenol	8.06	184	110294	160.03 ng		97
65)	Dibenzofuran	8.17	168	1086207	165.10 ng		99
66)	4-Nitrophenol	8.39	65	128375	157.55 ng		90
67)	2,4-Dinitrotoluene	8.32	165	275932	173.60 ng		95
68)	2,3,4,6-Tetrachlorophenol	8.52	232	231360	180.38 ng		99
69)	Diethyl phthalate	8.79	149	1042221	170.42 ng		98
70)	Fluorene	8.77	166	1006244	170.85 ng		99
71)	4-Chlorophenyl phenyl ethe	8.82	204	472055	168.46 ng		99
74)	4,6-Dinitro-2-methylphenol	9.05	198	195917	160.46 ng	#	1
75)	Azobenzene	9.11	77	1400859	179.52 ng		90
76)	1,2-Diphenylhydrazine	9.11	182	276814	169.64 ng		95
77)	Diphenylamine	9.08	170	198695	172.51 ng		97
78)	N-Nitrosodiphenylamine	9.08	168	985670	167.69 ng		98
79)	4-Bromophenyl phenyl ether	9.71	248	283300	163.87 ng		99
80)	Phenacetin	9.84	108	504001	178.29 ng		100
81)	Hexachlorobenzene	9.95	284	294226	160.19 ng		99
82)	Atrazine	10.24	200	276964	163.48 ng		97
83)	4-Aminobiphenyl	10.25	169	746996	155.99 ng		99
84)	Pentachlorophenol	10.37	266	152251	162.60 ng		99
85)	Pentachloronitrobenzene	10.49	237	158963	166.34 ng		99
86)	Pronamide	10.53	173	460286	165.74 ng		99
87)	Phenanthrene	10.58	178	1420857	162.47 ng		97
88)	Anthracene	10.67	178	1428340	162.59 ng		100
89)	Carbazole	11.06	167	1340257	166.23 ng		100
90)	Di-n-butyl phthalate	12.00	149	1714172	167.55 ng		100
91)	Fluoranthene	12.98	202	1670748	166.31 ng		100
93)	Pyrene	13.42	202	1739910	162.76 ng		100
95)	Benzidine	13.37	184	307373m	154.05 ng		
96)	Dimethylaminoazobenzene	14.24	225	366127	167.60 ng		99
97)	Butyl benzyl phthalate	15.08	149	818263	164.53 ng		99
98)	Benz(a)anthracene	15.97	228	1782234	166.14 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 10:39:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 10:12:53 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

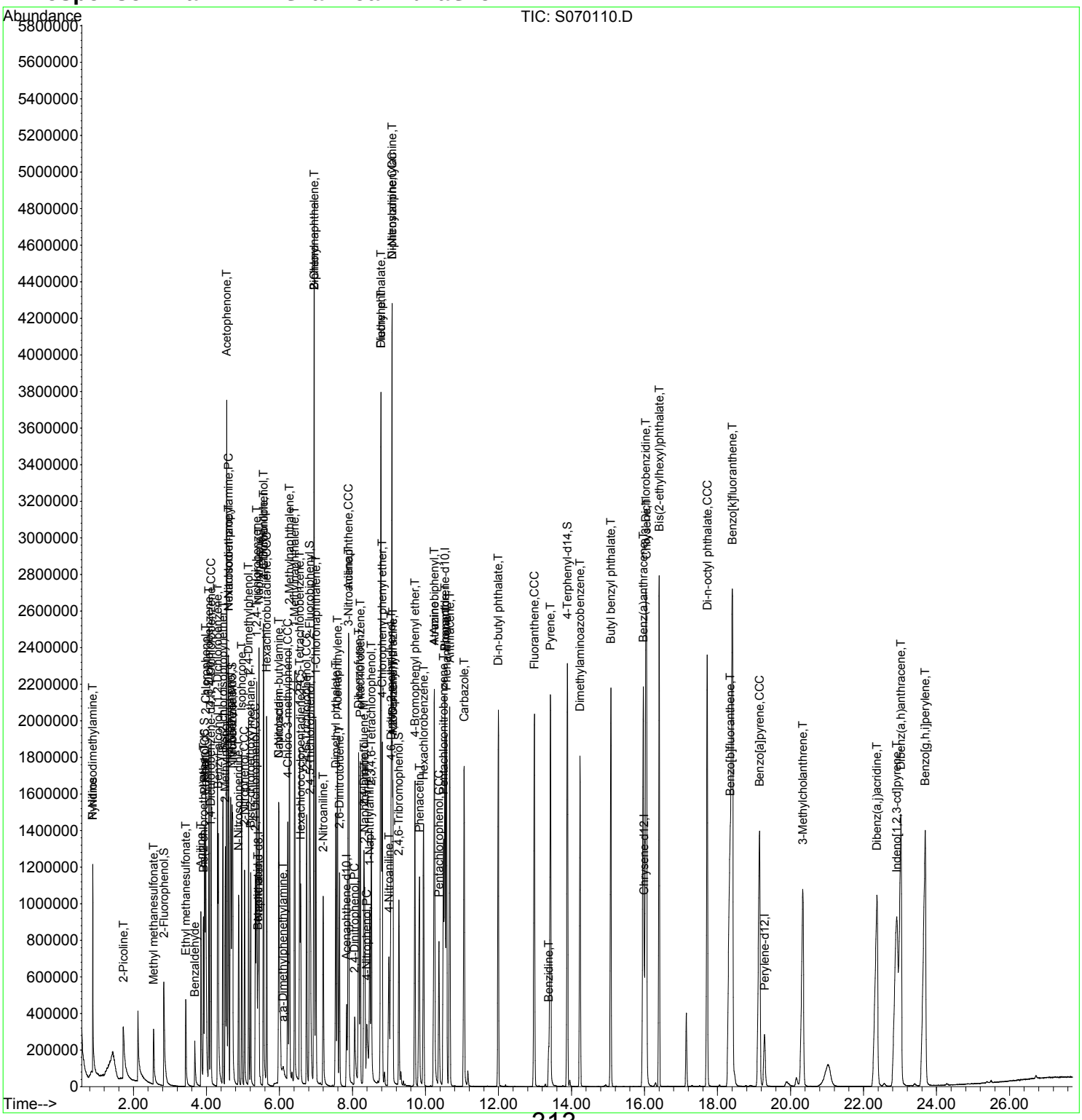
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.03	252	663863	172.52	ng		99
100)	Chrysene	16.06	228	1771798	167.30	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.40	149	1150821	163.93	ng		100
102)	Di-n-octyl phthalate	17.72	149	2034584	166.83	ng		99
103)	3-Methylcholanthrene	20.34	268	964428	179.30	ng		100
104)	Indeno[1,2,3-cd]pyrene	22.91	276	2416103	192.02	ng	#	100
106)	Benzo[b]fluoranthene	18.34	252	2113216	172.72	ng		98
107)	Benzo[k]fluoranthene	18.41	252	1933099m	163.94	ng		
108)	Benzo[a]pyrene	19.15	252	1886113	167.26	ng		100
109)	Dibenz(a,j)acridine	22.37	279	2049260	178.75	ng		100
110)	Dibenz(a,h)anthracene	23.02	278	2317585	182.52	ng		98
111)	Benzo[g,h,i]perylene	23.69	276	2579980	180.43	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:48 2004 Quant Results File: B070104.RES

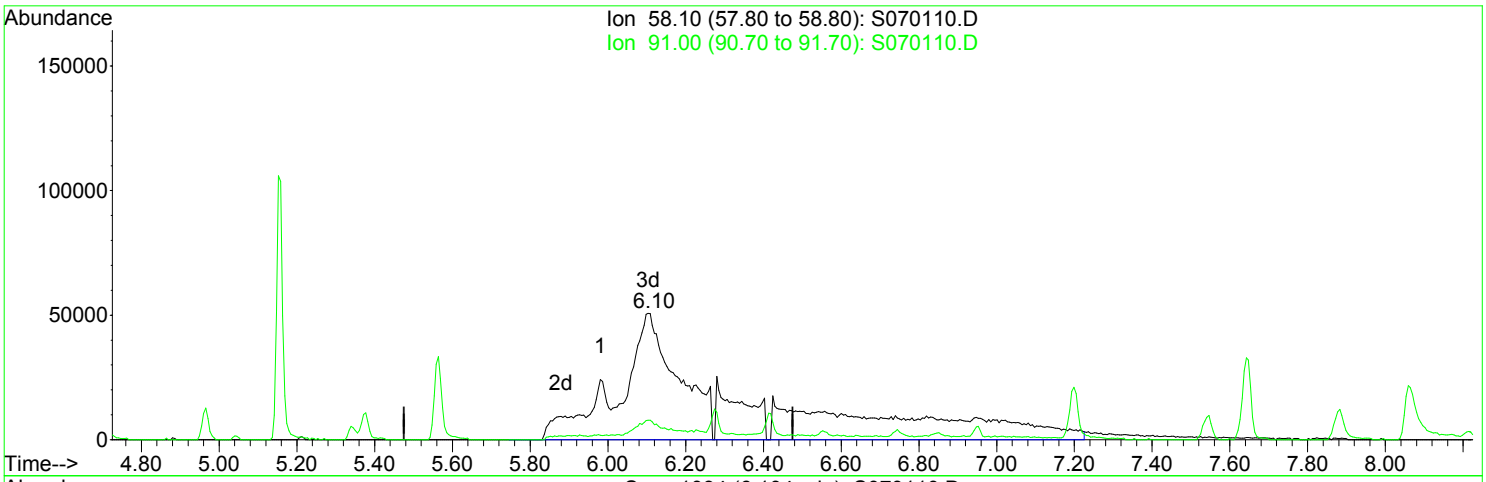
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 11:25:46 2004
Response via : Initial Calibration

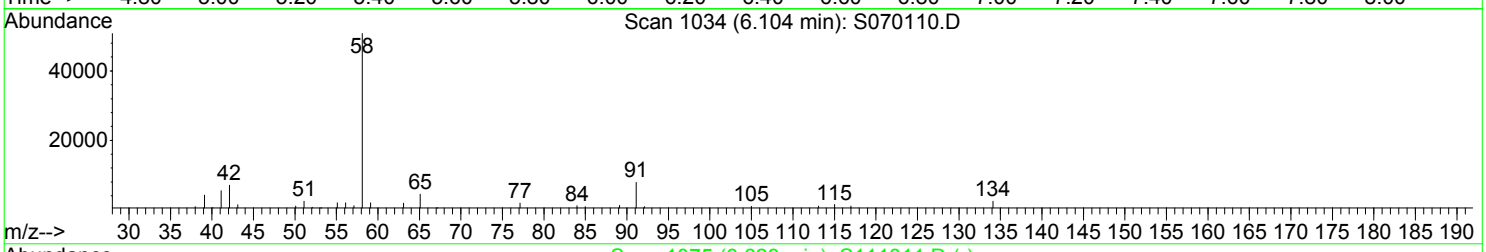


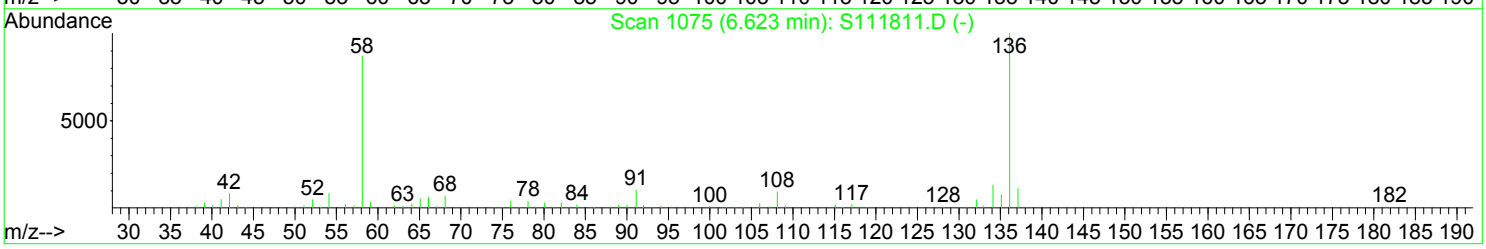
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070110.D

(39) a,a-Dimethylphenethylamine (T)

6.10min 169.31ng m

response 1055210

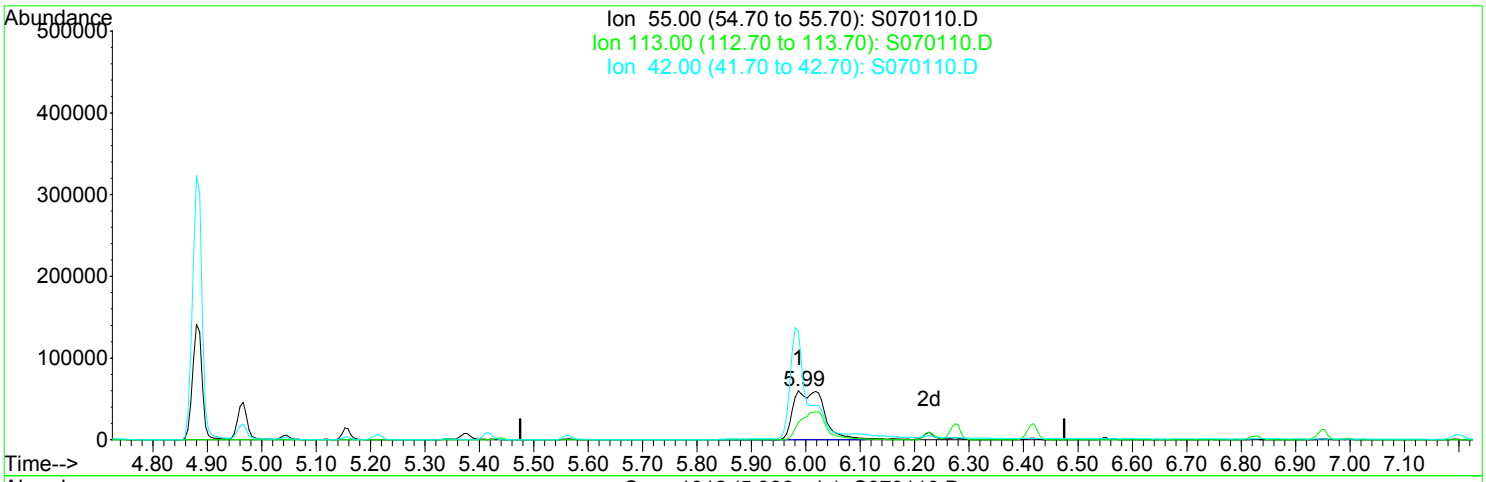
Ion	Exp%	Act%
58.10	100	100
91.00	1.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

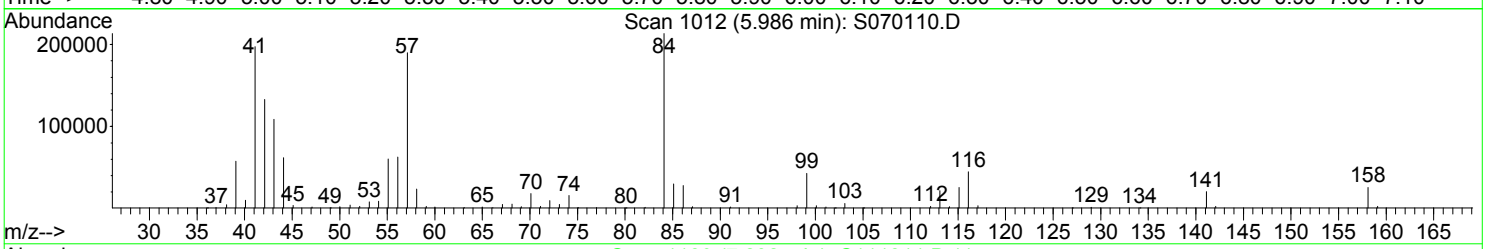
S070110.D B070104.M Fri Jul 02 12:33:36 2004

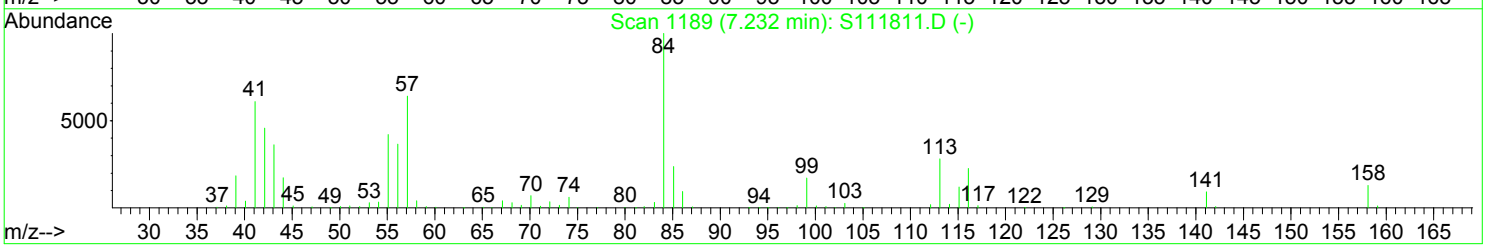
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070110.D

(40) Caprolactam

5.99min 164.22ng m

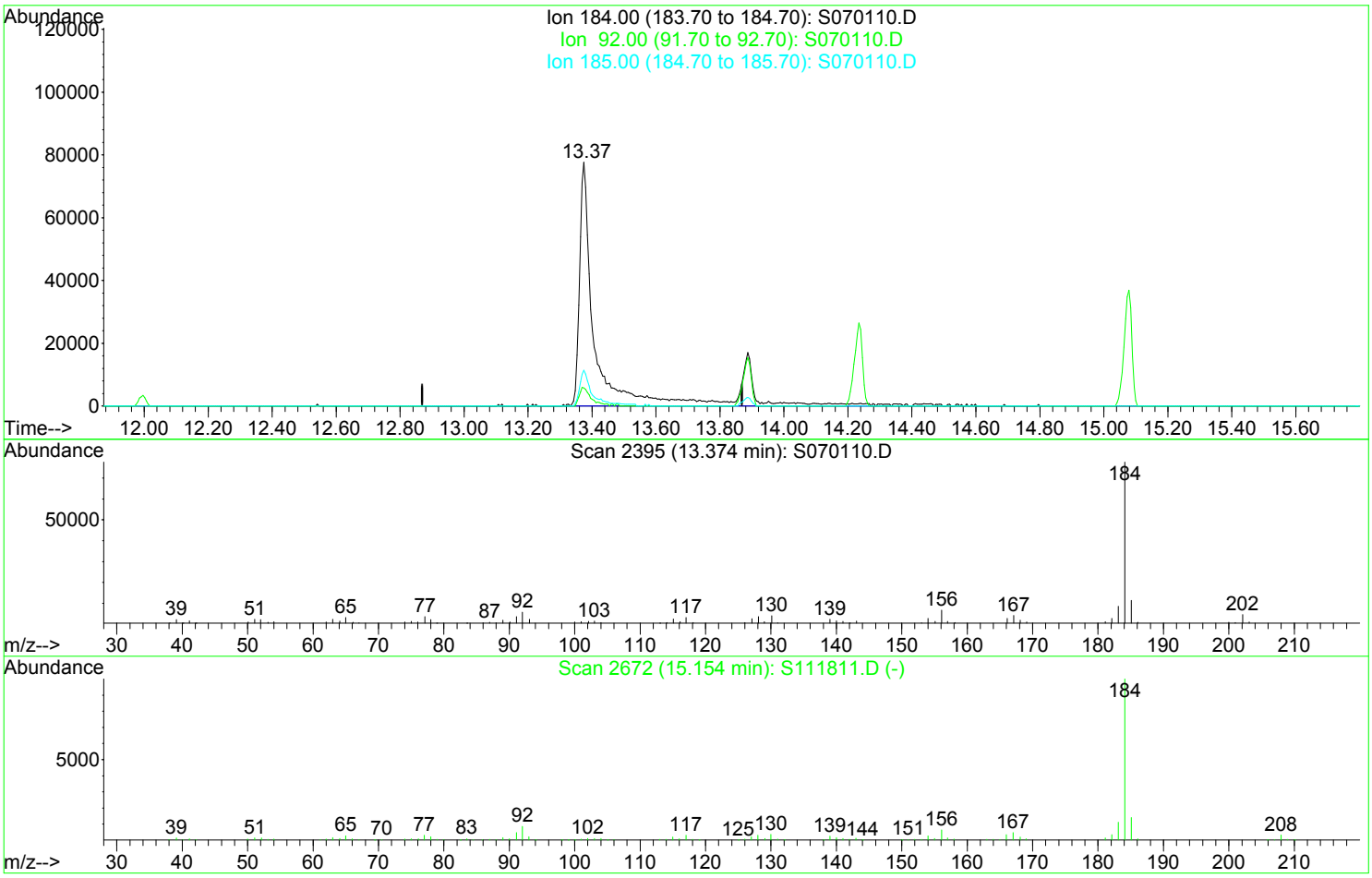
response 236325

Ion	Exp%	Act%
55.00	100	100
113.00	47.40	49.64
42.00	129.70	129.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070110.D

(95) Benzidine (T)

13.37min 154.05ng m

response 307373

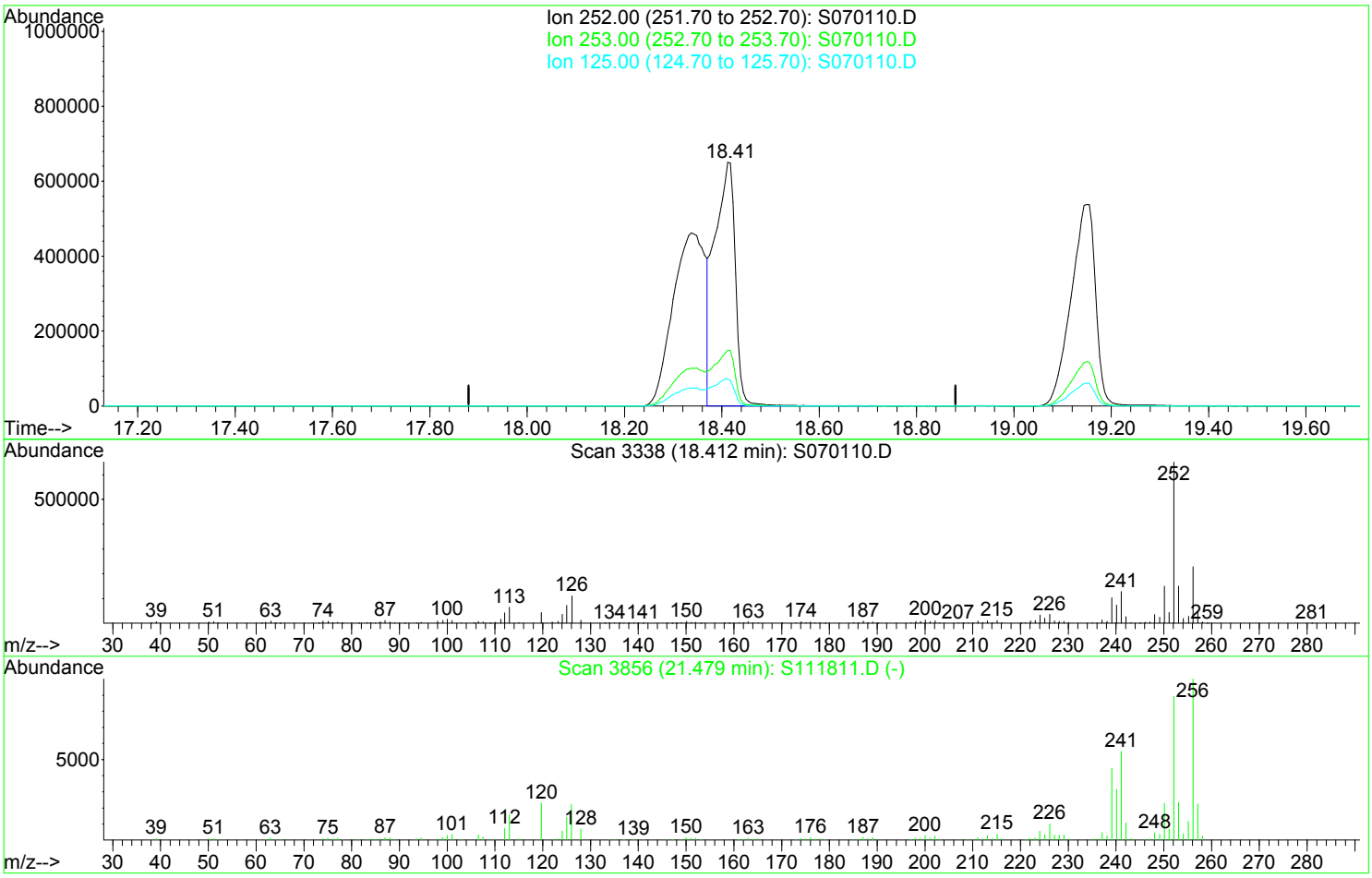
Ion	Exp%	Act%
184.00	100	100
92.00	5.70	4.91
185.00	10.60	10.21
0.00	0.00	0.00

S070110.D B070104.M Fri Jul 02 12:34:24 2004

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070110.D Vial: 9
Acq On : 1 Jul 2004 3:58 pm Operator: YH
Sample : BNA160 2275 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 10:48 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070110.D

(107) Benzo[k]fluoranthene (T)

18.41min 163.94ng m

response 1933099

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.78
125.00	11.50	10.82
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:07:54 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	69242	40.00	ng	0.00
23) Naphthalene-d8	5.42	136	262366	40.00	ng	0.00
45) Acenaphthene-d10	7.84	164	156956	40.00	ng	0.00
73) Phenanthrene-d10	10.52	188	289959	40.00	ng	0.00
92) Chrysene-d12	16.00	240	332112	40.00	ng	0.00
105) Perylene-d12	19.28	264	316641	40.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	2.85	112	100048	56.00	ng	0.02
Spiked Amount 100.000	Range 21 - 110		Recovery = 56.00%			
9) Phenol-d5	3.96	99	170155	59.54	ng	0.01
Spiked Amount 100.000	Range 10 - 110		Recovery = 59.54%			
24) Nitrobenzene-d5	4.70	82	202585	65.55	ng	0.00
Spiked Amount 50.000	Range 34 - 114		Recovery = 131.10%#			
50) 2-Fluorobiphenyl	6.82	172	370748	64.59	ng	0.00
Spiked Amount 50.000	Range 43 - 116		Recovery = 129.18%#			
72) 2,4,6-Tribromophenol	9.27	330	56416	59.90	ng	0.00
Spiked Amount 100.000	Range 10 - 123		Recovery = 59.90%			
94) 4-Terphenyl-d14	13.89	244	496587	61.11	ng	0.00
Spiked Amount 50.000	Range 33 - 141		Recovery = 122.22%			

Target Compounds							Qvalue
2) Pyridine	0.88	79	119112	62.55	ng		97
3) 2-Picoline	1.75	93	89393m	56.77	ng		
4) Methyl methanesulfonate	2.56	80	67780m	51.04	ng		
6) Ethyl methanesulfonate	3.43	79	104021	64.05	ng		98
7) Benzaldehyde	3.72	105	4561	4.16	ng	#	54
8) Aniline	3.85	66	71797	54.60	ng		93
10) Phenol	3.97	94	180988	67.15	ng	#	76
11) Bis(2-chloroethyl)ether	3.92	63	108196	63.43	ng	#	80
12) 2-Chlorophenol	3.99	128	153404	65.89	ng		95
13) 1,3-Dichlorobenzene	4.07	146	166997	63.15	ng		99
14) 1,4-Dichlorobenzene	4.13	146	174457	62.18	ng		98
15) 1,2-Dichlorobenzene	4.31	146	165629	62.55	ng		99
16) Benzyl alcohol	4.32	108	92565	66.87	ng		97
17) Bis(2-chloroisopropyl)ethe	4.45	45	269564	63.36	ng		99
18) 2-Methylphenol	4.51	107	121939	62.40	ng		97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:07:54 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
19)	4-Methylphenol	4.66	107	309332	126.49	ng		97
20)	N-Nitrosodi-n-propylamine	4.60	70	130901	61.05	ng		98
21)	N-Nitrosodimethylamine	0.89	42	47402	67.54	ng	#	88
22)	Hexachloroethane	4.60	117	80058	62.93	ng		98
25)	Acetophenone	4.55	105	216429	61.38	ng		96
26)	Nitrobenzene	4.71	77	208847	63.13	ng		99
27)	N-Nitrosopiperidine	4.87	114	73909	65.40	ng		96
28)	Isophorone	4.96	82	325006	62.30	ng		100
29)	2-Nitrophenol	5.05	139	81747	64.32	ng		99
30)	2,4-Dimethylphenol	5.16	122	139654	67.68	ng		99
31)	Bis(2-chloroethoxy)methane	5.21	93	180134	67.96	ng		100
32)	2,4-Dichlorophenol	5.36	162	128774	63.18	ng		98
33)	1,2,4-Trichlorobenzene	5.38	180	149122	61.15	ng		100
34)	Naphthalene	5.44	128	473294	62.26	ng		100
35)	Benzoic acid	5.37	122	39815	65.50	ng		89
36)	2,6-Dichlorophenol	5.57	162	131574	62.16	ng		99
37)	4-Chloroaniline	5.56	127	142368	55.14	ng		99
38)	Hexachlorobutadiene	5.65	225	98909	62.57	ng		100
39)	a,a-Dimethylphenethylamine	6.27	58	387077m	58.64	ng		
40)	Caprolactam	5.98	55	105182	69.77	ng		97
41)	4-Chloro-3-methylphenol	6.23	107	142583	62.29	ng		97
42)	N-Nitrosodi-n-butylamine	5.98	84	156381	65.44	ng		98
43)	2-Methylnaphthalene	6.28	142	336447	62.99	ng		99
44)	1-Methylnaphthalene	6.42	142	326724	66.57	ng		100
46)	1,2,4,5-Tetrachlorobenzene	6.56	216	157160	62.18	ng		99
47)	Hexachlorocyclopentadiene	6.58	237	71068	65.26	ng		99
48)	2,4,6-Trichlorophenol	6.74	196	98927	63.88	ng		99
49)	2,4,5-Trichlorophenol	6.85	196	102221	62.90	ng		99
51)	Biphenyl	6.95	154	476651	66.90	ng		99
52)	2-Chloronaphthalene	6.95	162	354851	69.62	ng		99
53)	1-Chloronaphthalene	7.00	162	261124	54.88	ng		99
54)	2-Nitroaniline	7.20	65	116765	66.03	ng		96
55)	3-Nitroaniline	7.88	138	72473	54.26	ng		96
56)	Pentachlorobenzene	8.21	250	141366	61.84	ng		99
57)	4-Nitroaniline	8.97	138	69842	57.35	ng		95
58)	2-Naphthylamine	8.33	143	263440	64.08	ng		98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:07:54 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.46	143	215054	59.18 ng		99
60)	Dimethyl phthalate	7.54	163	357679	62.86 ng		100
61)	Acenaphthylene	7.59	152	492565	68.14 ng		100
62)	2,6-Dinitrotoluene	7.64	165	78615	64.68 ng		99
63)	Acenaphthene	7.89	154	301719	61.62 ng		99
64)	2,4-Dinitrophenol	8.06	184	36386	65.66 ng		96
65)	Dibenzofuran	8.17	168	444602	64.13 ng		99
66)	4-Nitrophenol	8.42	65	55558m	69.39 ng		
67)	2,4-Dinitrotoluene	8.30	165	106184	63.40 ng		97
68)	2,3,4,6-Tetrachlorophenol	8.52	232	89280	66.06 ng		99
69)	Diethyl phthalate	8.77	149	387187	60.08 ng		98
70)	Fluorene	8.77	166	381977	61.55 ng		99
71)	4-Chlorophenyl phenyl ethe	8.82	204	180854	61.25 ng		100
74)	4,6-Dinitro-2-methylphenol	9.03	198	75197	67.58 ng	#	96
75)	Azobenzene	9.10	77	531329	68.74 ng		94
76)	1,2-Diphenylhydrazine	9.10	182	108256	66.98 ng		94
77)	Diphenylamine	9.07	170	66295	58.11 ng		98
78)	N-Nitrosodiphenylamine	9.07	168	335918	57.70 ng		97
79)	4-Bromophenyl phenyl ether	9.71	248	118297	69.09 ng		99
80)	Phenacetin	9.81	108	195177	69.71 ng		100
81)	Hexachlorobenzene	9.94	284	120959	66.49 ng		99
82)	Atrazine	10.22	200	107558	64.10 ng		97
83)	4-Aminobiphenyl	10.24	169	237041	49.98 ng		100
84)	Pentachlorophenol	10.36	266	55322	69.01 ng		97
85)	Pentachloronitrobenzene	10.48	237	63256	66.83 ng		98
86)	Pronamide	10.52	173	168332	61.20 ng		99
87)	Phenanthrene	10.57	178	552475	63.78 ng		97
88)	Anthracene	10.66	178	593859	68.25 ng		100
89)	Carbazole	11.06	167	529503	66.31 ng		100
90)	Di-n-butyl phthalate	12.00	149	695867	68.67 ng		100
91)	Fluoranthene	12.98	202	658251	66.16 ng		100
93)	Pyrene	13.42	202	700314	62.15 ng		99
95)	Benzidine	13.40	184	42590m	11.89 ng		
96)	Dimethylaminoazobenzene	14.23	225	152840	66.38 ng		99
97)	Butyl benzyl phthalate	15.08	149	348928	66.57 ng		99
98)	Benz(a)anthracene	15.96	228	760085	67.22 ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:07:54 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

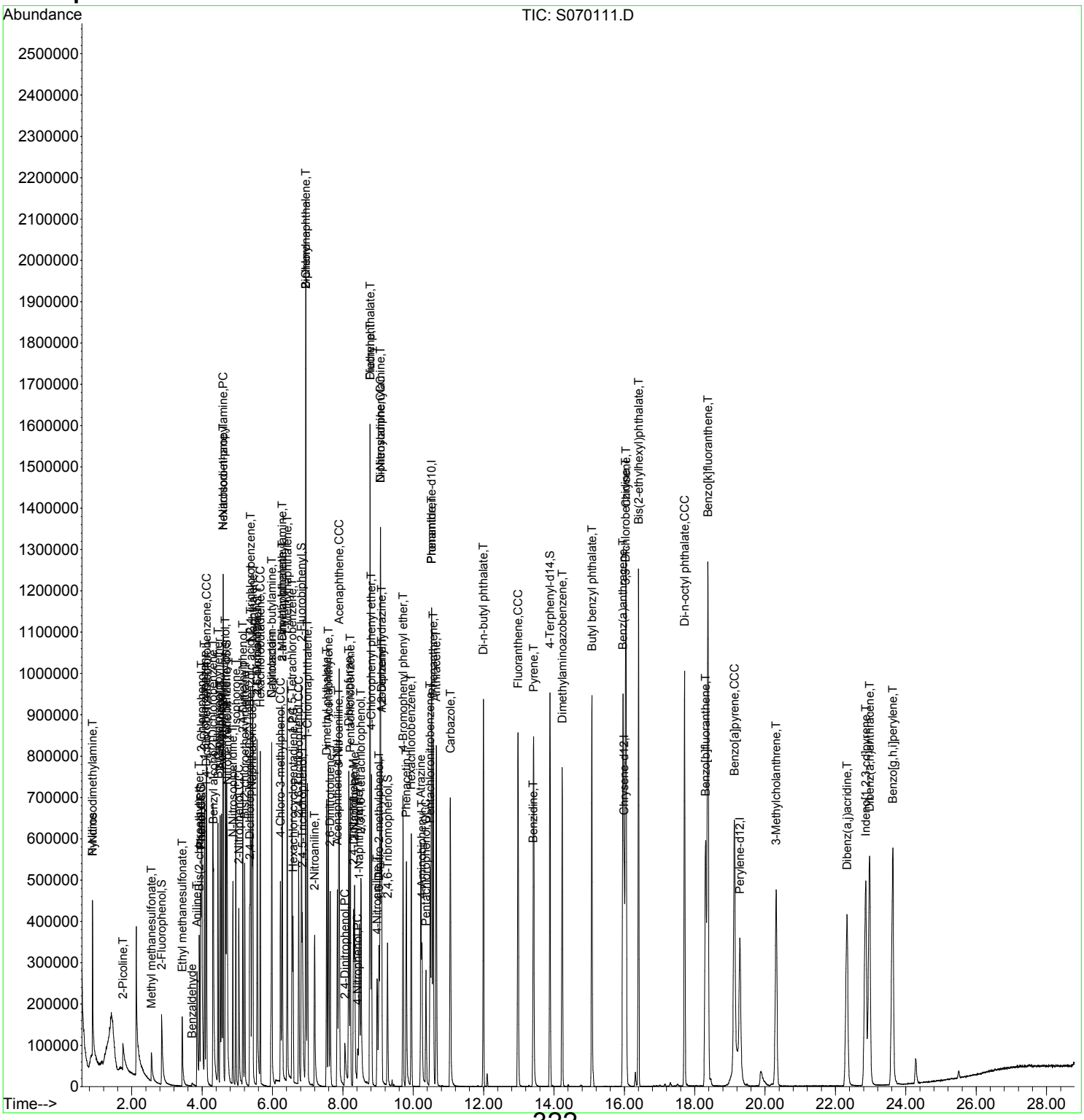
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.03	252	232048	57.21	ng		100
100)	Chrysene	16.05	228	735428	65.88	ng		100
101)	Bis(2-ethylhexyl)phthalate	16.40	149	502514	67.91	ng		99
102)	Di-n-octyl phthalate	17.71	149	844208	65.67	ng		99
103)	3-Methylcholanthrene	20.31	268	386988	68.26	ng		99
104)	Indeno[1,2,3-cd]pyrene	22.86	276	839876	63.24	ng	#	100
106)	Benzo[b]fluoranthene	18.31	252	739359	61.37	ng		98
107)	Benzo[k]fluoranthene	18.38	252	721566	61.61	ng		99
108)	Benzo[a]pyrene	19.13	252	719631	64.27	ng		99
109)	Dibenz(a,j)acridine	22.33	279	686266	60.29	ng		100
110)	Dibenz(a,h)anthracene	22.97	278	804201	63.79	ng		99
111)	Benzo[g,h,i]perylene	23.63	276	882666	62.17	ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 Quant Results File: B070104.RES

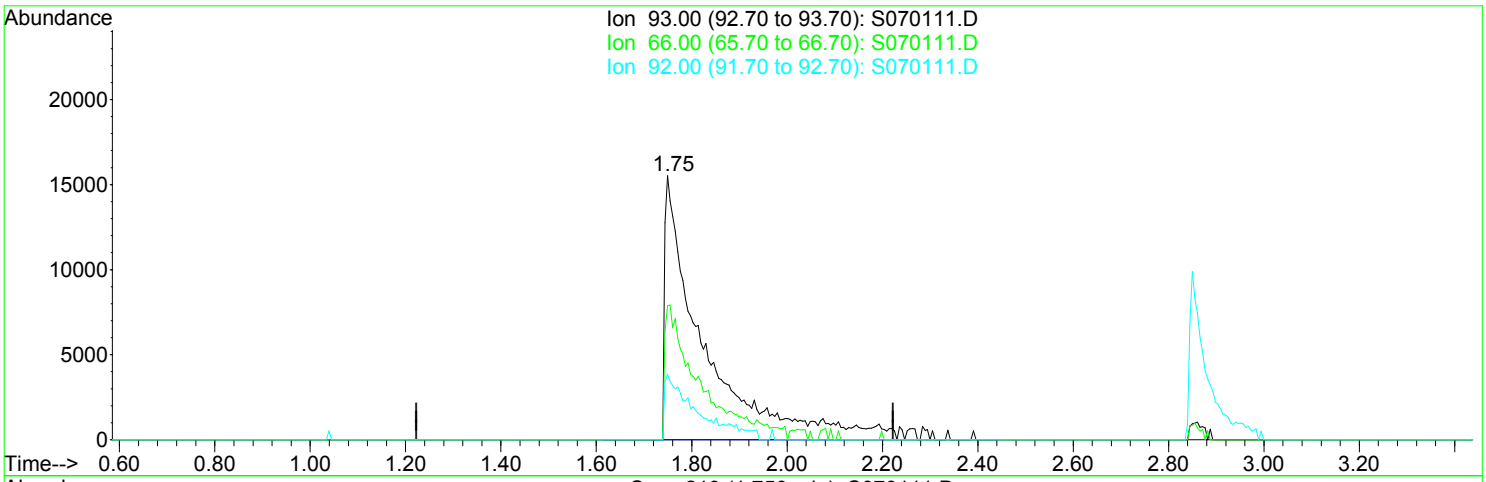
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

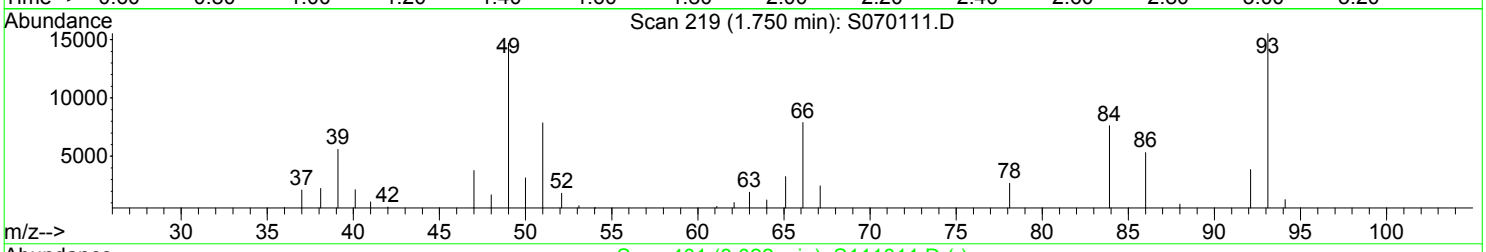


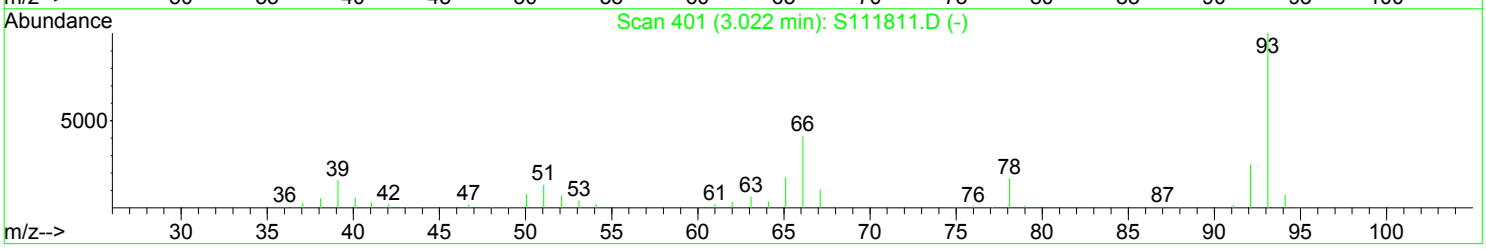
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070111.D

(3) 2-Picoline (T)

1.75min 56.77ng m

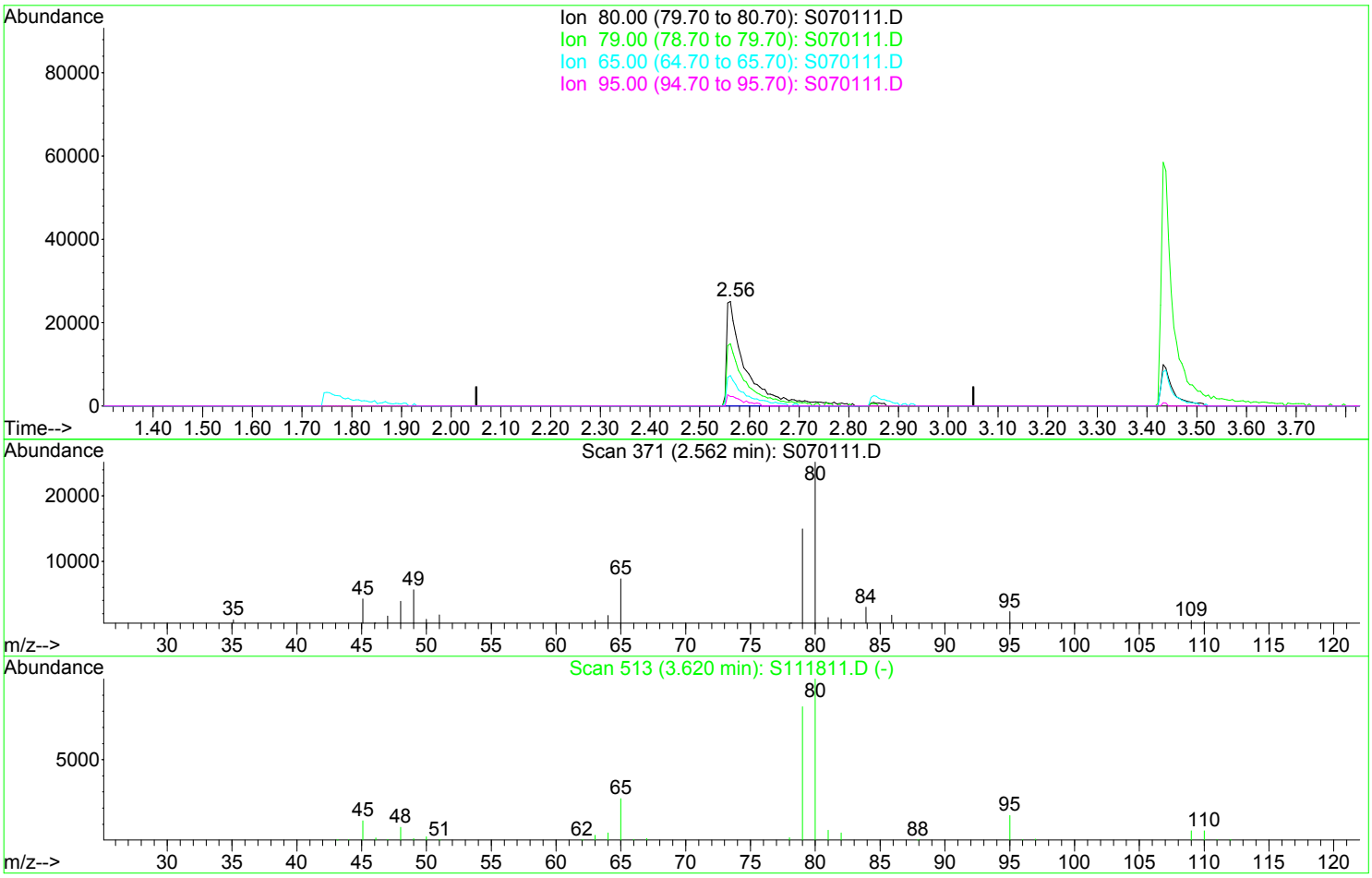
response 89393

Ion	Exp%	Act%
93.00	100	100
66.00	48.80	41.52
92.00	22.50	16.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070111.D

(4) Methyl methanesulfonate (T)

2.56min 51.04ng m

response 67780

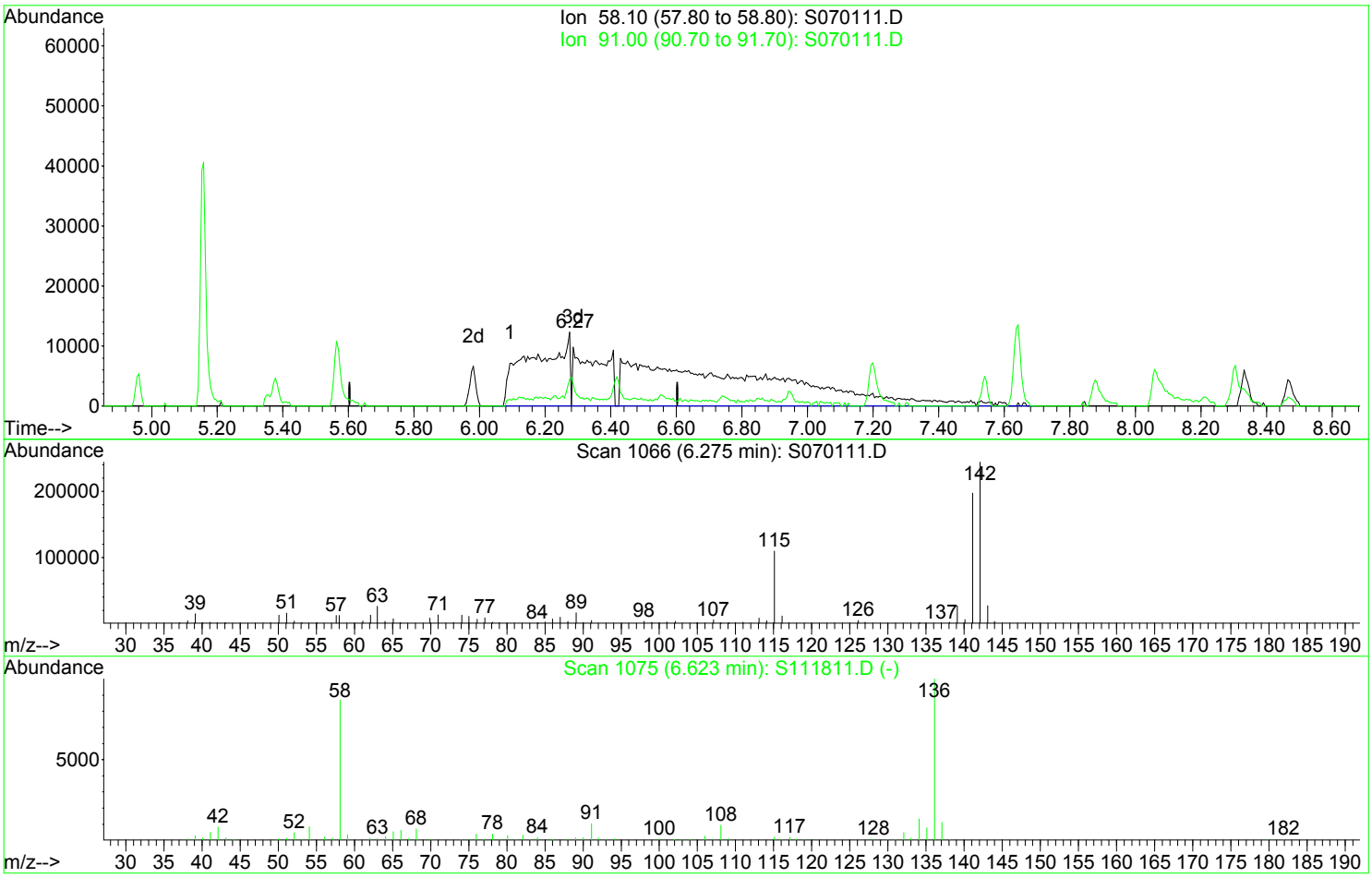
Ion	Exp%	Act%
80.00	100	100
79.00	60.20	58.90
65.00	29.30	26.81
95.00	10.20	8.42

S070111.D B070104.M Fri Jul 02 12:35:34 2004

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration



TIC: S070111.D

(39) a,a-Dimethylphenethylamine (T)

6.27min 58.64ng m

response 387077

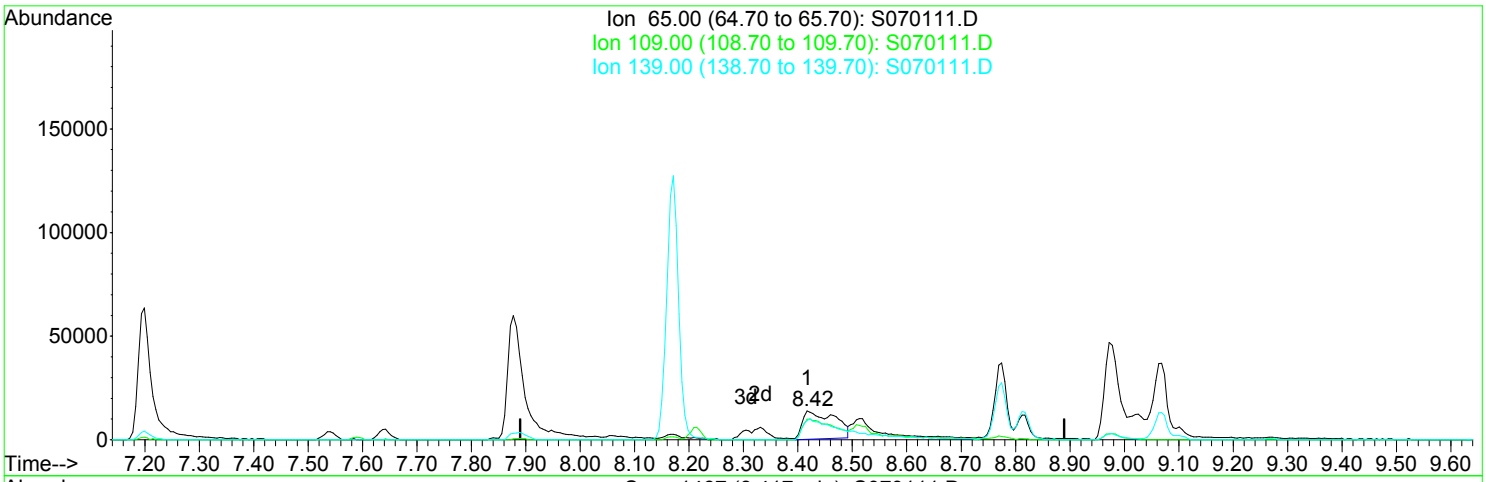
Ion	Exp%	Act%
58.10	100	100
91.00	0.00	1.36
0.00	0.00	0.00
0.00	0.00	0.00

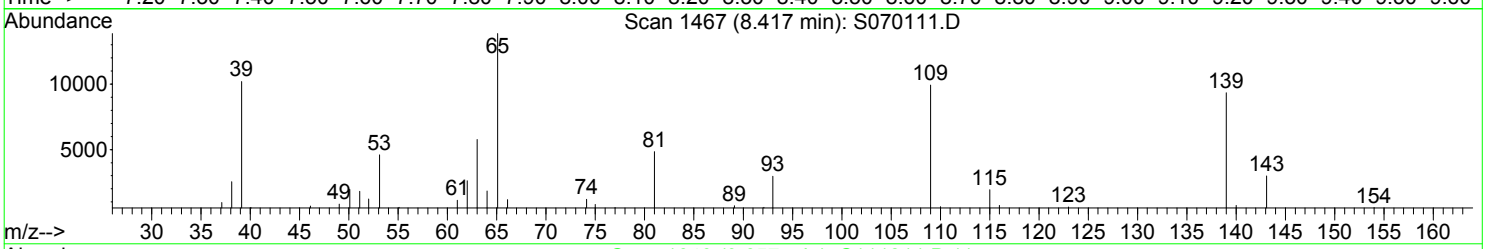
S070111.D B070104.M Fri Jul 02 12:36:02 2004

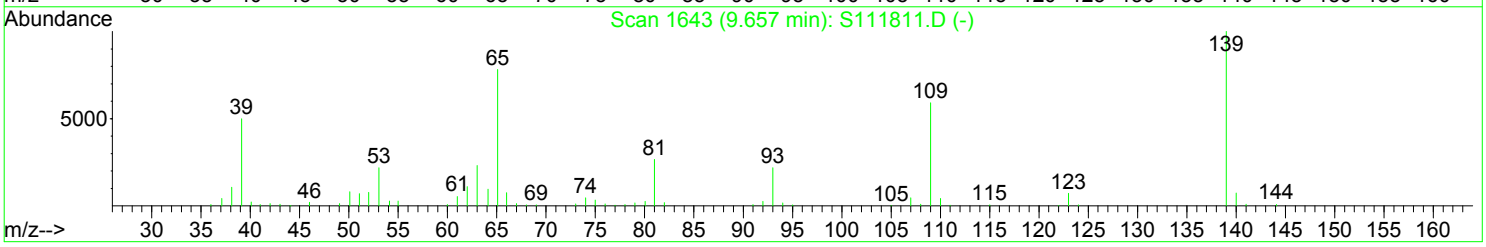
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D **Vial: 10**
Acq On : 1 Jul 2004 4:34 pm **Operator: YH**
Sample : BNA60 2271 **Inst : GC MS9**
Misc : ICAL 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070111.D

(66) 4-Nitrophenol (PC)

8.42min 69.39ng m

response 55558

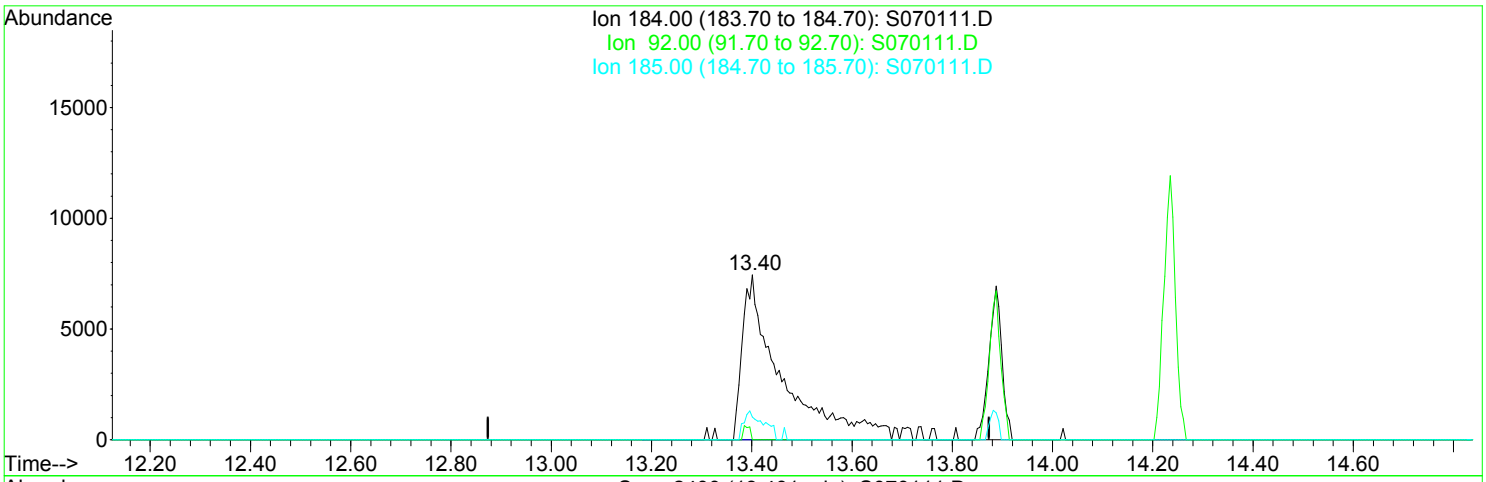
Ion	Exp%	Act%
65.00	100	100
109.00	104.60	71.00#
139.00	127.20	89.33#
0.00	0.00	0.00

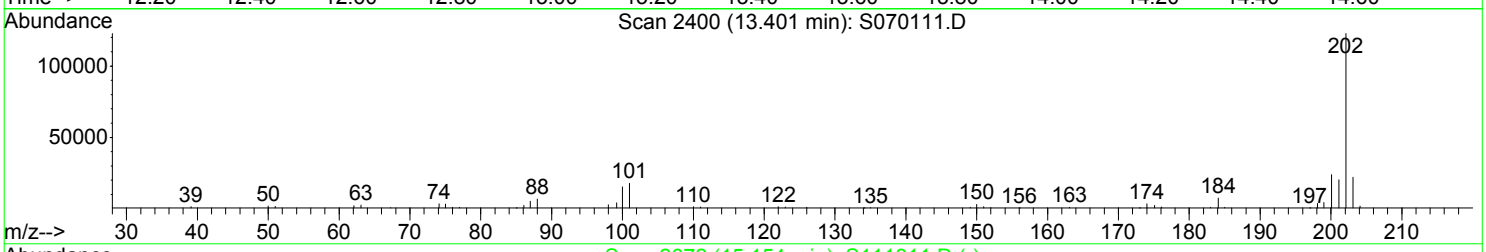
S070111.D B070104.M Fri Jul 02 12:36:29 2004

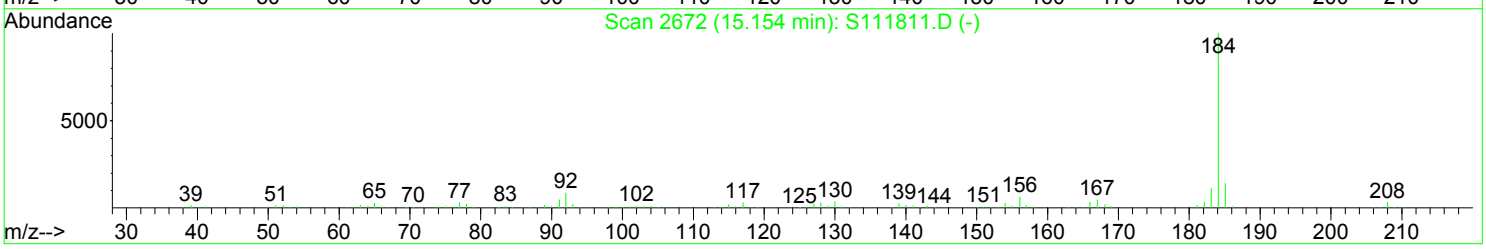
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICAL 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:09 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070111.D

(95) Benzidine (T)

13.40min 11.89ng m

response 42590

Ion	Exp%	Act%
184.00	100	100
92.00	4.90	0.00
185.00	10.20	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	101	0.00
2		Pyridine	60.000	62.553	-4.3	100	0.00
3	T	2-Picoline	60.000	56.770	5.4	99	0.03
4	T	Methyl methanesulfonate	60.000	51.038	14.9	82	0.01
5	S	2-Fluorophenol	60.000	56.001	6.7	93	0.02
6	T	Ethyl methanesulfonate	60.000	64.052	-6.8	107	0.00
7		Benzaldehyde	60.000	4.162	93.1#	7	0.04
8	T	Aniline	60.000	54.599	9.0	90	0.00
9	S	Phenol-d5	60.000	59.536	0.8	98	0.01
10	CCC	Phenol	60.000	67.148	-11.9	113	0.02
11	T	Bis(2-chloroethyl)ether	60.000	63.432	-5.7	105	0.00
12	T	2-Chlorophenol	60.000	65.887	-9.8	110	0.01
13	T	1,3-Dichlorobenzene	60.000	63.148	-5.2	106	0.00
14	CCC	1,4-Dichlorobenzene	60.000	62.181	-3.6	105	0.00
15	T	1,2-Dichlorobenzene	60.000	62.546	-4.2	106	0.00
16	T	Benzyl alcohol	60.000	66.867	-11.4	107	0.00
17	T	Bis(2-chloroisopropyl)ether	60.000	63.361	-5.6	106	0.00
18	T	2-Methylphenol	60.000	62.403	-4.0	103	0.00
19	T	4-Methylphenol	120.000	126.487	-5.4	103	0.00
20	PC	N-Nitrosodi-n-propylamine	60.000	61.050	-1.7	103	-0.01
21	T	N-Nitrosodimethylamine	60.000	67.545	-12.6	110	0.00
22	T	Hexachloroethane	60.000	62.927	-4.9	106	0.00
23	I	Naphthalene-d8	40.000	40.000	0.0	100	0.00
24	S	Nitrobenzene-d5	60.000	65.551	-9.3	107	0.00
25	T	Acetophenone	120.000	61.385	48.8#	51	0.00
26	M	Nitrobenzene	60.000	63.125	-5.2	105	0.00
27	T	N-Nitrosopiperidine	60.000	65.401	-9.0	106	0.00
28	T	Isophorone	60.000	62.300	-3.8	104	0.00
29	CCC	2-Nitrophenol	60.000	64.319	-7.2	103	0.00
30	T	2,4-Dimethylphenol	60.000	67.683	-12.8	114	0.00
31	T	Bis(2-chloroethoxy)methane	60.000	67.955	-13.3	111	0.00
32	CCC	2,4-Dichlorophenol	60.000	63.180	-5.3	103	0.02
33	T	1,2,4-Trichlorobenzene	60.000	61.154	-1.9	102	0.00
34	T	Naphthalene	60.000	62.262	-3.8	104	0.00
35	T	Benzoic acid	60.000	65.495	-9.2	130	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	60.000	62.156	-3.6	103	0.00
37	T	4-Chloroaniline	60.000	55.136	8.1	89	0.00
38	CCC	Hexachlorobutadiene	60.000	62.573	-4.3	104	0.00
39	T	a,a-Dimethylphenethylamine	60.000	58.644	2.3	91	0.17
40		Caprolactam	60.000	69.767	-16.3	111	-0.01
41	CCC	4-Chloro-3-methylphenol	60.000	62.287	-3.8	101	0.00
42	T	N-Nitrosodi-n-butylamine	60.000	65.440	-9.1	103	0.00
43	T	2-Methylnaphthalene	60.000	62.991	-5.0	107	0.00
44	T	1-Methylnaphthalene	60.000	66.572	-11.0	114	0.00
45	I	Acenaphthene-d10	40.000	40.000	0.0	98	0.00
46	T	1,2,4,5-Tetrachlorobenzene	60.000	62.183	-3.6	103	0.00
47	PC	Hexachlorocyclopentadiene	60.000	65.263	-8.8	0	0.00
48	CCC	2,4,6-Trichlorophenol	60.000	63.885	-6.5	102	0.00
49	T	2,4,5-Trichlorophenol	60.000	62.898	-4.8	100	0.00
50	S	2-Fluorobiphenyl	60.000	64.591	-7.7	106	0.00
51		Biphenyl	60.000	66.897	-11.5	112	0.00
52	T	2-Chloronaphthalene	60.000	69.623	-16.0	114	0.00
53	T	1-Chloronaphthalene	60.000	54.878	8.5	92	0.00
54	T	2-Nitroaniline	60.000	66.032	-10.1	102	0.00
55	T	3-Nitroaniline	60.000	54.261	9.6	87	0.00
56	T	Pentachlorobenzene	60.000	61.841	-3.1	101	0.00
57	T	4-Nitroaniline	60.000	57.351	4.4	93	-0.03
58	T	2-Naphthylamine	60.000	64.083	-6.8	99	0.00
59	T	1-Naphthylamine	60.000	59.184	1.4	90	0.00
60	T	Dimethyl phthalate	60.000	62.859	-4.8	101	0.00
61	T	Acenaphthylene	60.000	68.136	-13.6	111	0.00
62	T	2,6-Dinitrotoluene	60.000	64.682	-7.8	103	0.00
63	CCC	Acenaphthene	60.000	61.617	-2.7	100	0.00
64	PC	2,4-Dinitrophenol	60.000	65.657	-9.4	121	0.00
65	T	Dibenzofuran	60.000	64.129	-6.9	104	0.00
66	PC	4-Nitrophenol	60.000	69.392	-15.7	134	0.03
67	M	2,4-Dinitrotoluene	60.000	63.398	-5.7	98	-0.01
68	T	2,3,4,6-Tetrachlorophenol	60.000	66.057	-10.1	102	0.00
69	T	Diethyl phthalate	60.000	60.080	-0.1	96	-0.01
70	T	Fluorene	60.000	61.548	-2.6	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	60.000	61.249	-2.1	100	0.00
72	S	2,4,6-Tribromophenol	60.000	59.898	0.2	94	0.00
73	I	Phenanthrene-d10	40.000	40.000	0.0	93	0.00
74	T	4,6-Dinitro-2-methylphenol	60.000	67.577	-12.6	111	-0.03
75	T	Azobenzene	60.000	68.745	-14.6	102	0.00
76	T	1,2-Diphenylhydrazine	60.000	66.982	-11.6	105	0.00
77	CCC	Diphenylamine	60.000	58.114	3.1	91	-0.01
78	T	N-Nitrosodiphenylamine	60.000	57.700	3.8	90	-0.02
79	T	4-Bromophenyl phenyl ether	60.000	69.088	-15.1	106	0.00
80	T	Phenacetin	60.000	69.709	-16.2	98	-0.03
81	T	Hexachlorobenzene	60.000	66.491	-10.8	103	0.00
82		Atrazine	60.000	64.097	-6.8	95	-0.02
83	T	4-Aminobiphenyl	60.000	49.977	16.7	74	0.00
84	CCC	Pentachlorophenol	60.000	69.014	-15.0	117	-0.01
85	T	Pentachloronitrobenzene	60.000	66.830	-11.4	102	-0.01
86	T	Pronamide	60.000	61.196	-2.0	91	-0.01
87	T	Phenanthrene	60.000	63.781	-6.3	98	0.00
88	T	Anthracene	60.000	68.252	-13.8	104	-0.01
89	T	Carbazole	60.000	66.308	-10.5	99	0.00
90	T	Di-n-butyl phthalate	60.000	68.672	-14.5	101	0.00
91	CCC	Fluoranthene	60.000	66.156	-10.3	97	0.00
92	I	Chrysene-d12	40.000	40.000	0.0	93	0.00
93	T	Pyrene	60.000	62.151	-3.6	98	0.00
94	S	4-Terphenyl-d14	60.000	61.111	-1.9	95	0.00
95	T	Benzidine	60.000	11.887	80.2#	28	0.03
96	T	Dimethylaminoazobenzene	60.000	66.381	-10.6	99	0.00
97	T	Butyl benzyl phthalate	60.000	66.566	-10.9	101	0.00
98	T	Benz(a)anthracene	60.000	67.222	-12.0	103	0.00
99	T	3,3'-Dichlorobenzidine	60.000	57.214	4.6	90	0.00
100	T	Chrysene	60.000	65.882	-9.8	102	-0.01
101	T	Bis(2-ethylhexyl)phthalate	60.000	67.913	-13.2	103	0.00
102	CCC	Di-n-octyl phthalate	60.000	65.674	-9.5	101	0.00
103	T	3-Methylcholanthrene	60.000	68.259	-13.8	113	-0.02
104	T	Indeno[1,2,3-cd]pyrene	60.000	63.241	-5.4	106	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	98	0.00
106	T	Benzo[b]fluoranthene	60.000	61.373	-2.3	100	-0.03
107	T	Benzo[k]fluoranthene	60.000	61.606	-2.7	97	-0.03
108	CCC	Benzo[a]pyrene	60.000	64.271	-7.1	104	-0.02
109	T	Dibenz(a,j)acridine	60.000	60.287	-0.5	101	-0.04
110	T	Dibenz(a,h)anthracene	60.000	63.786	-6.3	108	-0.05
111	T	Benzo[g,h,i]perylene	60.000	62.169	-3.6	105	-0.06

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	101	0.00
2		Pyridine	1.100	1.147	-4.3	100	0.00
3	T	2-Picoline	0.910	0.861	5.4	99	0.03
4	T	Methyl methanesulfonate	0.767	0.653	14.9	82	0.01
5	S	2-Fluorophenol	1.032	0.963	6.7	93	0.02
6	T	Ethyl methanesulfonate	0.938	1.002	-6.8	107	0.00
7		Benzaldehyde	0.633	0.044	93.0#	7#	0.04
8	T	Aniline	0.760	0.691	9.1	90	0.00
9	S	Phenol-d5	1.651	1.638	0.8	98	0.01
10	CCC	Phenol	1.557	1.743	-11.9	113	0.02
11	T	Bis(2-chloroethyl)ether	0.985	1.042	-5.8	105	0.00
12	T	2-Chlorophenol	1.345	1.477	-9.8	110	0.01
13	T	1,3-Dichlorobenzene	1.528	1.608	-5.2	106	0.00
14	CCC	1,4-Dichlorobenzene	1.621	1.680	-3.6	105	0.00
15	T	1,2-Dichlorobenzene	1.530	1.595	-4.2	106	0.00
16	T	Benzyl alcohol	0.800	0.891	-11.4	107	0.00
17	T	Bis(2-chloroisopropyl)ether	2.458	2.595	-5.6	106	0.00
18	T	2-Methylphenol	1.129	1.174	-4.0	103	0.00
19	T	4-Methylphenol	1.413	1.489	-5.4	103	0.00
20	PC	N-Nitrosodi-n-propylamine	1.239	1.260	-1.7	103	-0.01
21	T	N-Nitrosodimethylamine	0.373	0.456	-22.3	110	0.00
22	T	Hexachloroethane	0.735	0.771	-4.9	106	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
24	S	Nitrobenzene-d5	0.471	0.515	-9.3	107	0.00
25	T	Acetophenone	0.538	0.275	48.9#	51	0.00
26	M	Nitrobenzene	0.504	0.531	-5.4	105	0.00
27	T	N-Nitrosopiperidine	0.172	0.188	-9.3	106	0.00
28	T	Isophorone	0.795	0.826	-3.9	104	0.00
29	CCC	2-Nitrophenol	0.194	0.208	-7.2	103	0.00
30	T	2,4-Dimethylphenol	0.315	0.355	-12.7	114	0.00
31	T	Bis(2-chloroethoxy)methane	0.404	0.458	-13.4	111	0.00
32	CCC	2,4-Dichlorophenol	0.311	0.327	-5.1	103	0.02
33	T	1,2,4-Trichlorobenzene	0.372	0.379	-1.9	102	0.00
34	T	Naphthalene	1.159	1.203	-3.8	104	0.00
35	T	Benzoic acid	0.123	0.101	17.9	130	-0.04

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	0.323	0.334	-3.4	103	0.00
37	T	4-Chloroaniline	0.394	0.362	8.1	89	0.00
38	CCC	Hexachlorobutadiene	0.241	0.251	-4.1	104	0.00
39	T	a,a-Dimethylphenethylamine	1.006	0.984	2.2	91	0.17
40		Caprolactam	0.230	0.267	-16.1	111	-0.01
41	CCC	4-Chloro-3-methylphenol	0.349	0.362	-3.7	101	0.00
42	T	N-Nitrosodi-n-butylamine	0.364	0.397	-9.1	103	0.00
43	T	2-Methylnaphthalene	0.814	0.855	-5.0	107	0.00
44	T	1-Methylnaphthalene	0.748	0.830	-11.0	114	0.00
45	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
46	T	1,2,4,5-Tetrachlorobenzene	0.644	0.668	-3.7	103	0.00
47	PC	Hexachlorocyclopentadiene	0.222	0.302	-36.0#	0#	0.00
48	CCC	2,4,6-Trichlorophenol	0.395	0.420	-6.3	102	0.00
49	T	2,4,5-Trichlorophenol	0.414	0.434	-4.8	100	0.00
50	S	2-Fluorobiphenyl	1.463	1.575	-7.7	106	0.00
51		Biphenyl	1.816	2.025	-11.5	112	0.00
52	T	2-Chloronaphthalene	1.299	1.507	-16.0	114	0.00
53	T	1-Chloronaphthalene	1.213	1.109	8.6	92	0.00
54	T	2-Nitroaniline	0.451	0.496	-10.0	102	0.00
55	T	3-Nitroaniline	0.319	0.308	3.4	87	0.00
56	T	Pentachlorobenzene	0.583	0.600	-2.9	101	0.00
57	T	4-Nitroaniline	0.281	0.297	-5.7	93	-0.03
58	T	2-Naphthylamine	1.048	1.119	-6.8	99	0.00
59	T	1-Naphthylamine	0.926	0.913	1.4	90	0.00
60	T	Dimethyl phthalate	1.450	1.519	-4.8	101	0.00
61	T	Acenaphthylene	1.842	2.092	-13.6	111	0.00
62	T	2,6-Dinitrotoluene	0.310	0.334	-7.7	103	0.00
63	CCC	Acenaphthene	1.248	1.282	-2.7	100	0.00
64	PC	2,4-Dinitrophenol	0.123	0.155	-26.0#	121	0.00
65	T	Dibenzofuran	1.767	1.888	-6.8	104	0.00
66	PC	4-Nitrophenol	0.204	0.236	-15.7	134	0.03
67	M	2,4-Dinitrotoluene	0.427	0.451	-5.6	98	-0.01
68	T	2,3,4,6-Tetrachlorophenol	0.344	0.379	-10.2	102	0.00
69	T	Diethyl phthalate	1.642	1.645	-0.2	96	-0.01
70	T	Fluorene	1.582	1.622	-2.5	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	0.753	0.768	-2.0	100	0.00
72	S	2,4,6-Tribromophenol	0.240	0.240	0.0	94	0.00
73	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
74	T	4,6-Dinitro-2-methylphenol	0.135	0.173	-28.1#	111	-0.03
75	T	Azobenzene	1.066	1.222	-14.6	102	0.00
76	T	1,2-Diphenylhydrazine	0.223	0.249	-11.7	105	0.00
77	CCC	Diphenylamine	0.157	0.152	3.2	91	-0.01
78	T	N-Nitrosodiphenylamine	0.803	0.772	3.9	90	-0.02
79	T	4-Bromophenyl phenyl ether	0.236	0.272	-15.3	106	0.00
80	T	Phenacetin	0.386	0.449	-16.3	98	-0.03
81	T	Hexachlorobenzene	0.251	0.278	-10.8	103	0.00
82		Atrazine	0.231	0.247	-6.9	95	-0.02
83	T	4-Aminobiphenyl	0.654	0.545	16.7	74	0.00
84	CCC	Pentachlorophenol	0.101	0.127	-25.7	117	-0.01
85	T	Pentachloronitrobenzene	0.131	0.145	-10.7	102	-0.01
86	T	Pronamide	0.379	0.387	-2.1	91	-0.01
87	T	Phenanthrene	1.195	1.270	-6.3	98	0.00
88	T	Anthracene	1.200	1.365	-13.8	104	-0.01
89	T	Carbazole	1.102	1.217	-10.4	99	0.00
90	T	Di-n-butyl phthalate	1.398	1.600	-14.4	101	0.00
91	CCC	Fluoranthene	1.373	1.513	-10.2	97	0.00
92	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
93	T	Pyrene	1.357	1.406	-3.6	98	0.00
94	S	4-Terphenyl-d14	0.979	0.997	-1.8	95	0.00
95	T	Benzidine	0.309	0.085	72.5#	28#	0.03
96	T	Dimethylaminoazobenzene	0.277	0.307	-10.8	99	0.00
97	T	Butyl benzyl phthalate	0.631	0.700	-10.9	101	0.00
98	T	Benz(a)anthracene	1.362	1.526	-12.0	103	0.00
99	T	3,3'-Dichlorobenzidine	0.488	0.466	4.5	90	0.00
100	T	Chrysene	1.344	1.476	-9.8	102	-0.01
101	T	Bis(2-ethylhexyl)phthalate	0.891	1.009	-13.2	103	0.00
102	CCC	Di-n-octyl phthalate	1.548	1.695	-9.5	101	0.00
103	T	3-Methylcholanthrene	0.683	0.777	-13.8	113	-0.02
104	T	Indeno[1,2,3-cd]pyrene	1.600	1.686	-5.4	106	-0.05

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40701\S070111.D Vial: 10
Acq On : 1 Jul 2004 4:34 pm Operator: YH
Sample : BNA60 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	98	0.00
106	T	Benzo[b]fluoranthene	1.522	1.557	-2.3	100	-0.03
107	T	Benzo[k]fluoranthene	1.480	1.519	-2.6	97	-0.03
108	CCC	Benzo[a]pyrene	1.414	1.515	-7.1	104	-0.02
109	T	Dibenz(a,j)acridine	1.438	1.445	-0.5	101	-0.04
110	T	Dibenz(a,h)anthracene	1.593	1.693	-6.3	108	-0.05
111	T	Benzo[g,h,i]perylene	1.794	1.858	-3.6	105	-0.06

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE(100ppm) 02285 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:10:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.11	152	67771	40.00	ng	0.00
23) Naphthalene-d8	5.41	136	258252	40.00	ng	0.00
45) Acenaphthene-d10	7.84	164	157957	40.00	ng	0.00
73) Phenanthrene-d10	10.52	188	288094	40.00	ng	-0.01
92) Chrysene-d12	15.99	240	298094	40.00	ng	0.00
105) Perylene-d12	19.28	264	284880	40.00	ng	0.00

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	3.98	99	16690	5.97	ng	0.04
Spiked Amount 100.000	Range 10 - 110		Recovery = 5.97%#			
24) Nitrobenzene-d5	0.00	82	0d	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. d		
10) Phenol	3.97	94	250733	95.04	ng	# 73
11) Bis(2-chloroethyl)ether	3.91	63	156990	94.04	ng	99
12) 2-Chlorophenol	3.98	128	218846	96.03	ng	98
13) 1,3-Dichlorobenzene	4.07	146	252549	97.57	ng	100
14) 1,4-Dichlorobenzene	4.12	146	263468	95.95	ng	100
15) 1,2-Dichlorobenzene	4.30	146	245180	94.60	ng	100
16) Benzyl alcohol	4.32	108	129122	95.30	ng	98
17) Bis(2-chloroisopropyl)ethe	4.45	45	397456	95.45	ng	98
18) 2-Methylphenol	4.51	107	171575	89.71	ng	96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE(100ppm) 02285 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:10:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	4-Methylphenol	4.65	107	244168	102.01 ng	#	89
20)	N-Nitrosodi-n-propylamine	4.60	70	207997	99.11 ng		99
21)	N-Nitrosodimethylamine	0.88	42	79050	110.96 ng	#	75
22)	Hexachloroethane	4.60	117	123469	99.16 ng		99
25)	Acetophenone	0.00	105	0	N.D. d		
26)	Nitrobenzene	4.71	77	294107	90.31 ng		98
27)	N-Nitrosopiperidine	0.00	114	0	N.D.		
28)	Isophorone	4.96	82	476860	92.86 ng		99
29)	2-Nitrophenol	5.04	139	122331	97.78 ng		99
30)	2,4-Dimethylphenol	5.15	122	204017	100.45 ng		100
31)	Bis(2-chloroethoxy)methane	5.21	93	272730	104.53 ng		99
32)	2,4-Dichlorophenol	5.35	162	195979	97.68 ng		99
33)	1,2,4-Trichlorobenzene	5.38	180	230107	95.87 ng		100
34)	Naphthalene	5.44	128	709097	94.77 ng		99
35)	Benzoic acid	5.39	122	132167	137.17 ng		99
36)	2,6-Dichlorophenol	0.00	162	0	N.D. d		
37)	4-Chloroaniline	5.56	127	158338	62.30 ng		97
38)	Hexachlorobutadiene	5.65	225	152010	97.70 ng		100
39)	a,a-Dimethylphenethylamine	0.00	58	0	N.D.		
40)	Caprolactam	0.00	55	0	N.D. d		
41)	4-Chloro-3-methylphenol	6.21	107	217694	96.61 ng		99
42)	N-Nitrosodi-n-butylamine	0.00	84	0	N.D. d		
43)	2-Methylnaphthalene	6.27	142	507922	96.61 ng		99
44)	1-Methylnaphthalene	0.00	142	0	N.D. d		
46)	1,2,4,5-Tetrachlorobenzene	0.00	216	0	N.D.		
47)	Hexachlorocyclopentadiene	6.58	237	158760	129.72 ng		99
48)	2,4,6-Trichlorophenol	6.73	196	150386	96.50 ng		99
49)	2,4,5-Trichlorophenol	6.84	196	151722	92.77 ng		96
51)	Biphenyl	0.00	154	0	N.D.		
52)	2-Chloronaphthalene	6.94	162	470492	91.73 ng		95
53)	1-Chloronaphthalene	0.00	162	0	N.D. d		
54)	2-Nitroaniline	7.19	65	174352	97.97 ng		97
55)	3-Nitroaniline	7.88	138	71258	53.12 ng		99
56)	Pentachlorobenzene	0.00	250	0	N.D.		
57)	4-Nitroaniline	8.97	138	112872	88.23 ng		86
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\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE(100ppm) 02285 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:10:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 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	7.54	163	546921	95.51 ng		100
61)	Acenaphthylene	7.59	152	765988	105.29 ng		99
62)	2,6-Dinitrotoluene	7.64	165	114812	93.86 ng		97
63)	Acenaphthene	7.89	154	464119	94.18 ng		99
64)	2,4-Dinitrophenol	8.05	184	56032	88.47 ng		87
65)	Dibenzofuran	8.17	168	674587	96.69 ng		100
66)	4-Nitrophenol	8.38	65	112494	139.61 ng	#	63
67)	2,4-Dinitrotoluene	8.30	165	164662	97.69 ng		81
68)	2,3,4,6-Tetrachlorophenol	0.00	232	0	N.D.		
69)	Diethyl phthalate	8.77	149	616251	95.02 ng		99
70)	Fluorene	8.77	166	587591	94.08 ng		100
71)	4-Chlorophenyl phenyl ethe	8.81	204	279690	94.12 ng		99
74)	4,6-Dinitro-2-methylphenol	9.03	198	101804	88.89 ng	#	95
75)	Azobenzene	9.10	77	731269	95.23 ng		95
76)	1,2-Diphenylhydrazine	9.10	182	159831	99.53 ng	#	83
77)	Diphenylamine	9.06	170	51000	45.00 ng	#	93
78)	N-Nitrosodiphenylamine	9.06	168	274699	47.49 ng		92
79)	4-Bromophenyl phenyl ether	9.71	248	172015	101.11 ng		99
80)	Phenacetin	0.00	108	0	N.D. d		
81)	Hexachlorobenzene	9.94	284	175554	97.13 ng		99
82)	Atrazine	0.00	200	0	N.D. d		
83)	4-Aminobiphenyl	0.00	169	0	N.D. d		
84)	Pentachlorophenol	10.35	266	76769	90.17 ng		98
85)	Pentachloronitrobenzene	0.00	237	0	N.D.		
86)	Pronamide	0.00	173	0	N.D.		
87)	Phenanthrene	10.56	178	837237	97.28 ng		97
88)	Anthracene	10.65	178	855074	98.91 ng		100
89)	Carbazole	11.05	167	736158	92.78 ng		100
90)	Di-n-butyl phthalate	11.99	149	1039432	103.24 ng		100
91)	Fluoranthene	12.98	202	955462	96.65 ng		100
93)	Pyrene	13.42	202	995393	98.42 ng		100
95)	Benzidine	13.37	184	193643m	98.70 ng		
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.		
97)	Butyl benzyl phthalate	15.08	149	487733	103.66 ng		100
98)	Benz(a)anthracene	15.96	228	982003	96.76 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE(100ppm) 02285 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 02 12:10:53 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

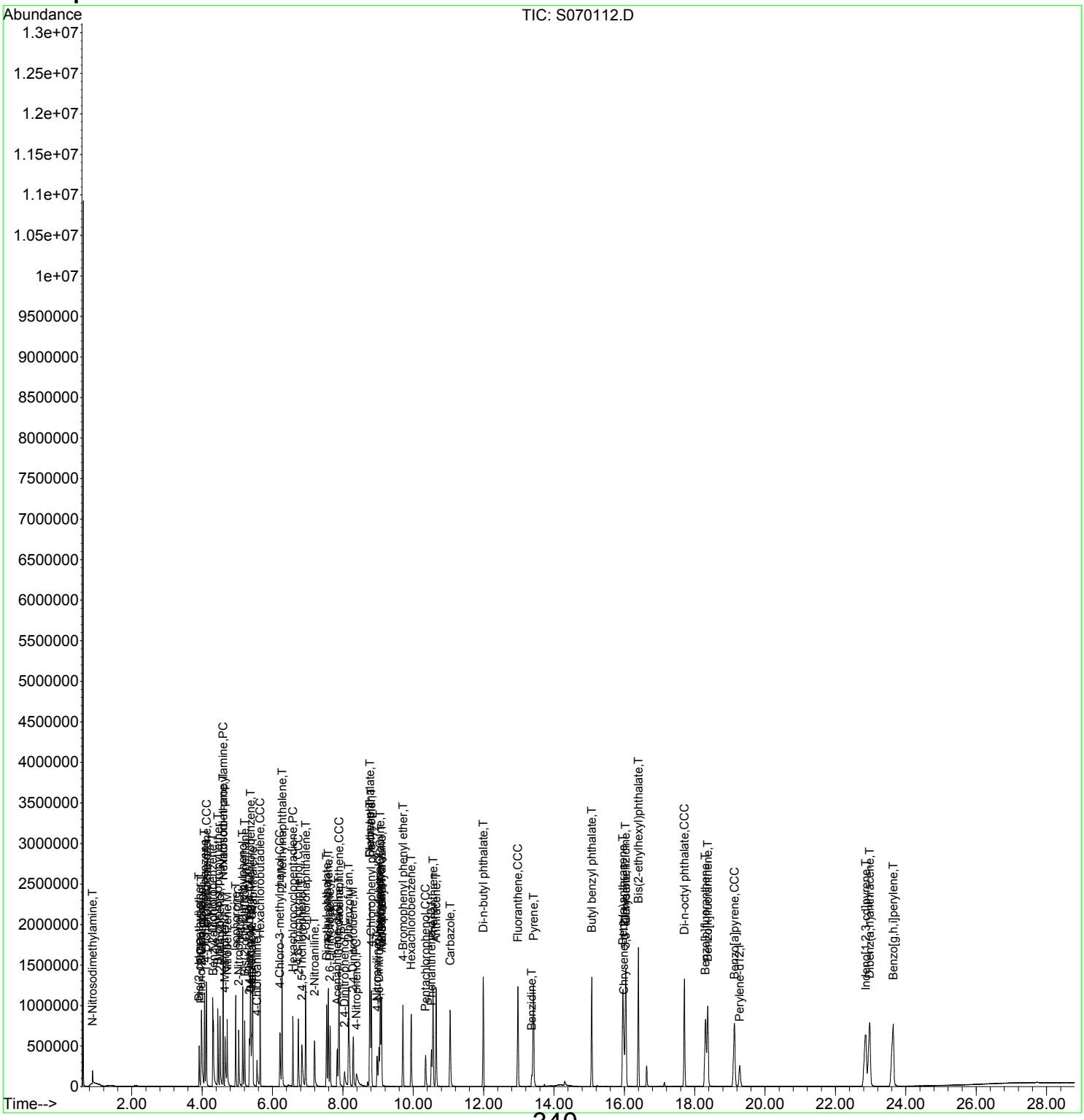
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	16.02	252	194099	53.32 ng		99
100)	Chrysene	16.05	228	919018	91.72 ng		100
101)	Bis(2-ethylhexyl)phthalate	16.40	149	686436	103.36 ng		100
102)	Di-n-octyl phthalate	17.71	149	1112717	96.44 ng		99
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.86	276	1189805	99.81 ng	#	100
106)	Benzo[b]fluoranthene	18.31	252	1005236	92.75 ng		98
107)	Benzo[k]fluoranthene	18.37	252	947994	89.96 ng		98
108)	Benzo[a]pyrene	19.13	252	962623	95.56 ng		99
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	22.97	278	1148595	101.26 ng		98
111)	Benzo[g,h,i]perylene	23.64	276	1282272	100.38 ng		100

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE(100ppm) 02285 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:13 2004 Quant Results File: B070104.RES

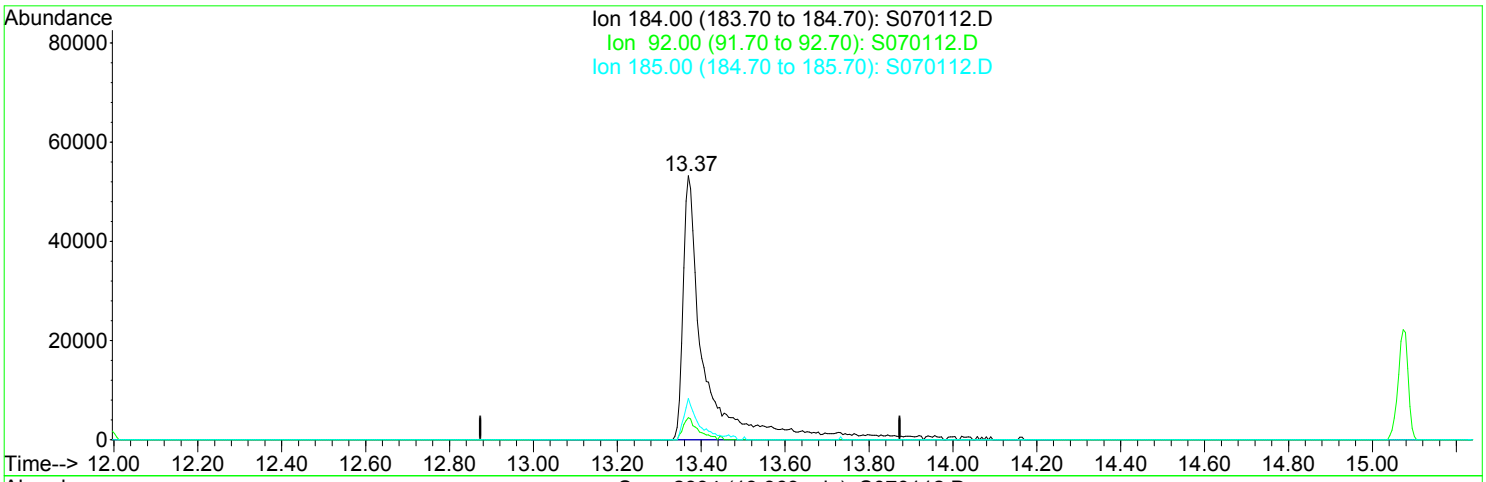
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Initial Calibration

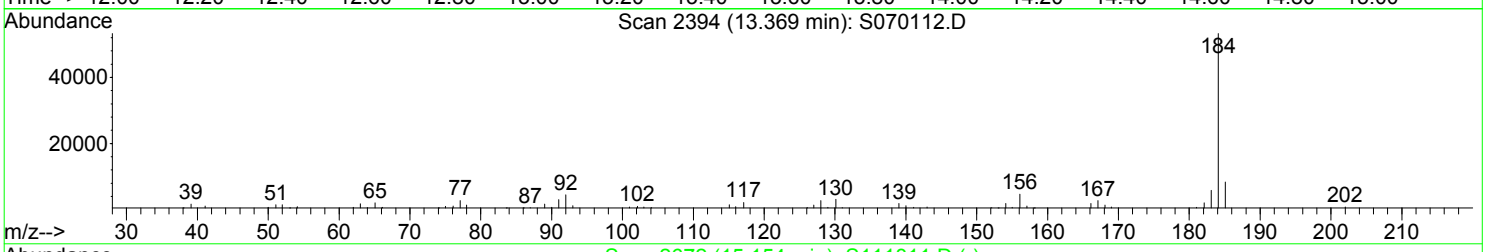


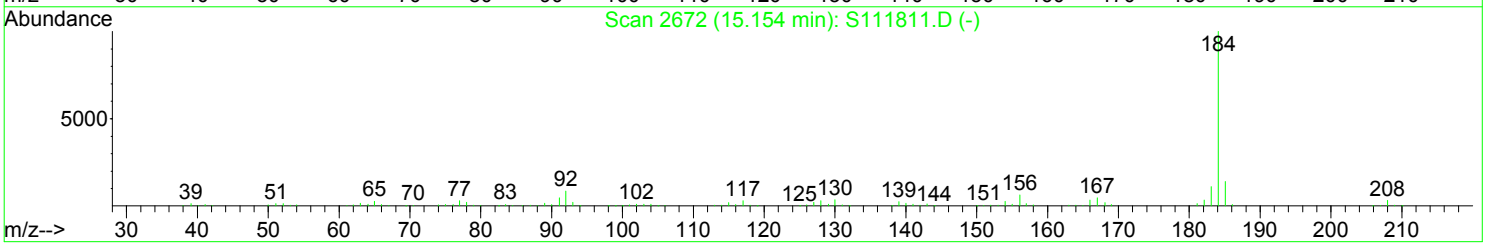
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40701\S070112.D Vial: 11
Acq On : 1 Jul 2004 5:12 pm Operator: YH
Sample : 625SPIKE 2271 Inst : GC MS9
Misc : ICV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 2 12:13 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Fri Jul 02 12:07:47 2004
Response via : Multiple Level Calibration







TIC: S070112.D

(95) Benzidine (T)

13.37min 98.70ng m

response 193643

Ion	Exp%	Act%
184.00	100	100
92.00	4.90	5.66
185.00	10.20	10.38
0.00	0.00	0.00

Injection Log

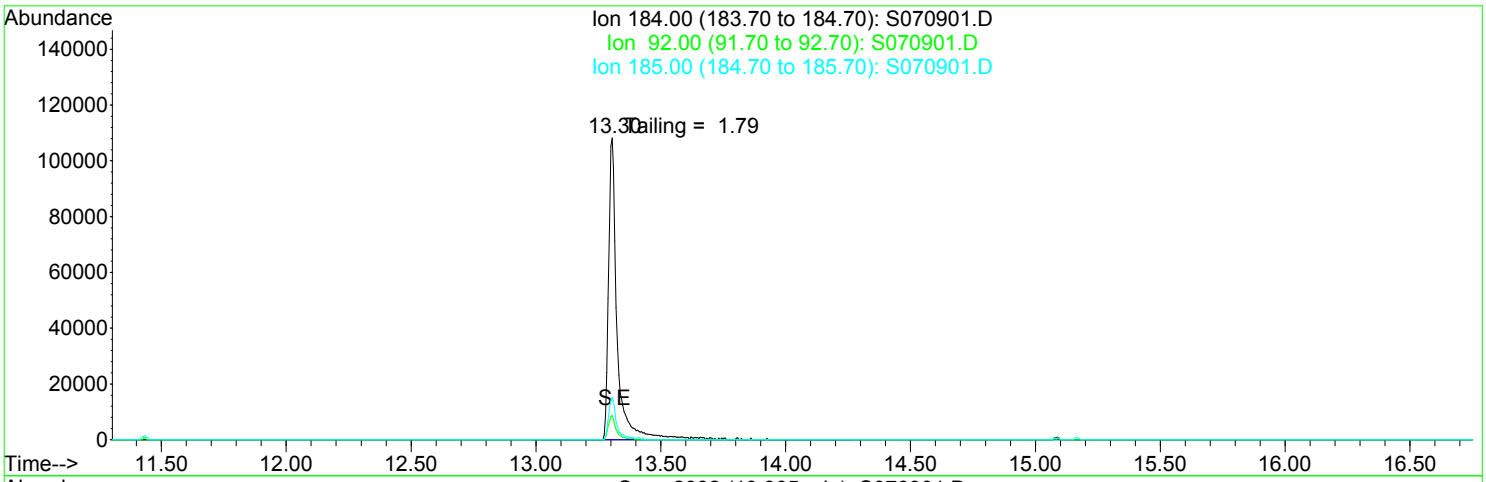
Directory: D:\MSDCHEM\DATA\S40709

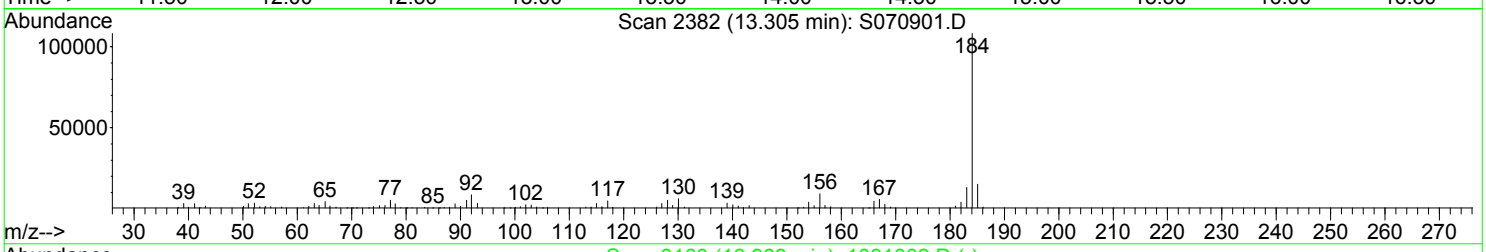
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	S070901.d	1.	DFTPP 2256	TUNE DFTPP_4	9 Jul 2004 09:32
2	2	S070903.d	1.	BNA40 2275	CCV 8270_TCL4.2_S	9 Jul 2004 10:26
3	3	S070904.d	1.	MB-47515	MBLK 8270_TCL4.2_S	9 Jul 2004 11:36
4	4	S070905.d	1.	LCS-47515	LCS 8270_TCL4.2_S	9 Jul 2004 12:14
5	5	S070906.d	1.	0407302-005A 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 12:51
6	6	S070907.d	1.	0407302-005AMS 47515	MS 8270_TCL4.2_S	9 Jul 2004 13:29
7	7	S070908.d	1.	0407302-005AMSD 47515	MSD 8270_TCL4.2_S	9 Jul 2004 14:07
8	8	S070909.d	1.	0407302-001B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 14:44
9	9	S070910.d	1.	0407302-003A 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 15:22
10	10	S070911.d	1.	0407302-007A 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 16:00
11	11	S070912.d	1.	0406F09-009B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 16:39
12	12	S070913.d	1.	0406F09-010B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 17:16
13	13	S070914.d	1.	0407035-001B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 17:54
14	14	S070915.d	1.	0407035-002B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 18:32
15	15	S070916.d	1.	0407035-003B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 19:10
16	16	S070917.d	1.	0407035-004B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 19:48
17	17	S070918.d	1.	0407035-005B 47515	SAMP 8270_TCL4.2_S	9 Jul 2004 20:26

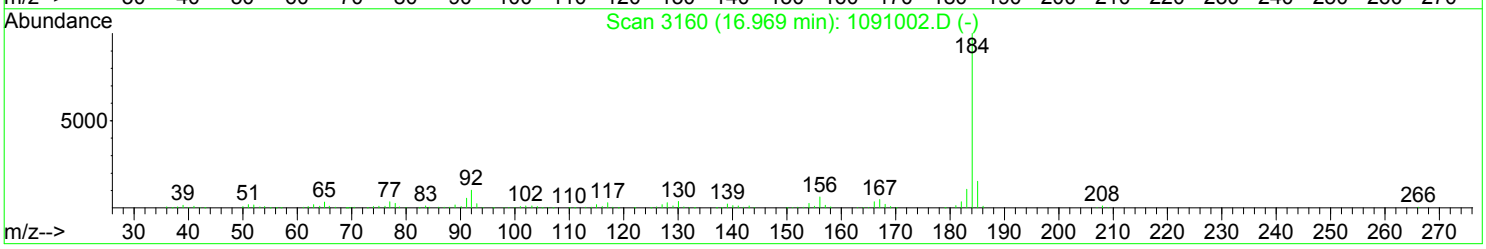
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070901.D Vial: 1
Acq On : 9 Jul 2004 9:32 am Operator: YH
Sample : DFTPP 2256 Inst : GC MS9
Misc : TUNE DFTPP_4 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 11:44 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: S070901.D

(6) Benzidine (T)

13.30min 0.00ng m

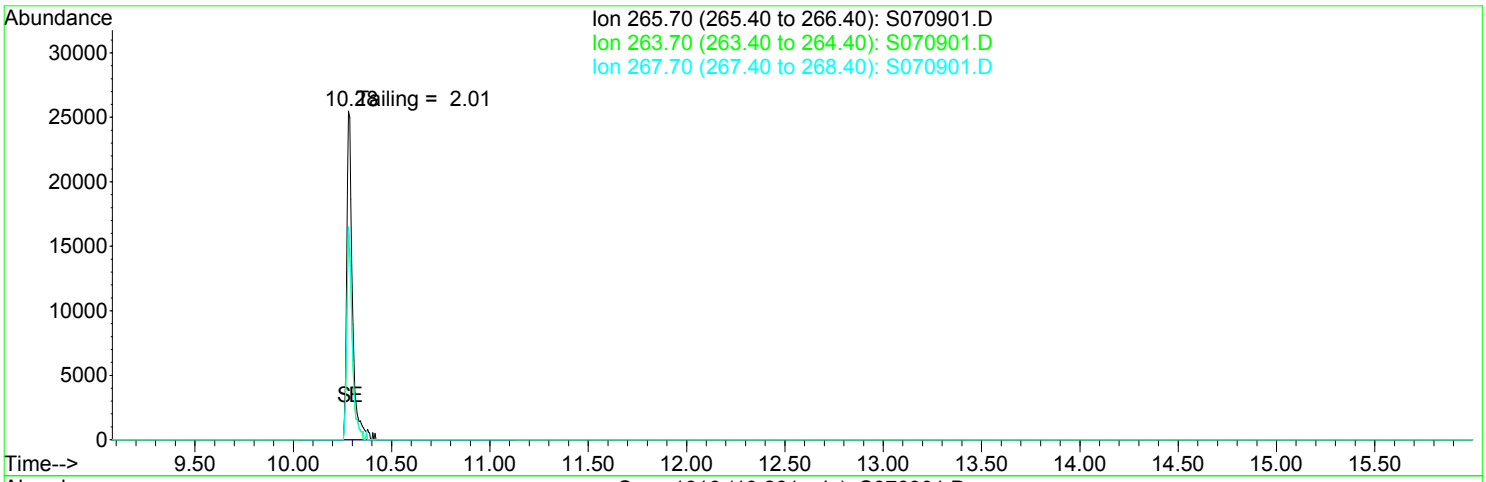
response 265632

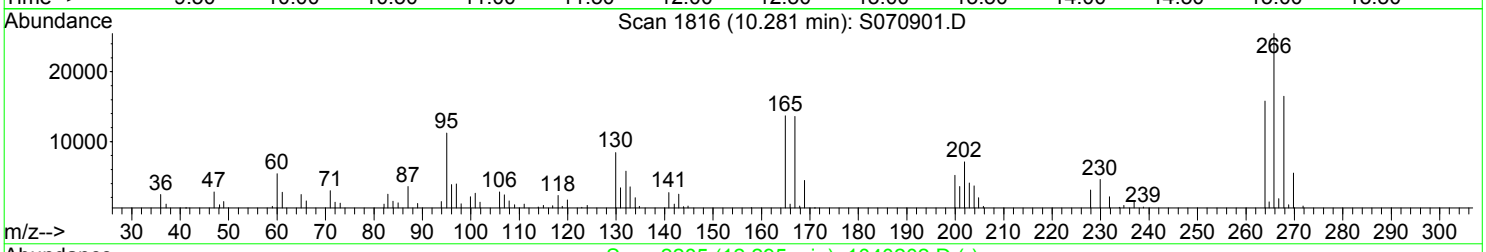
Ion	Exp%	Act%
184.00	100	100
92.00	10.50	0.00
185.00	14.80	0.00
0.00	0.00	0.00

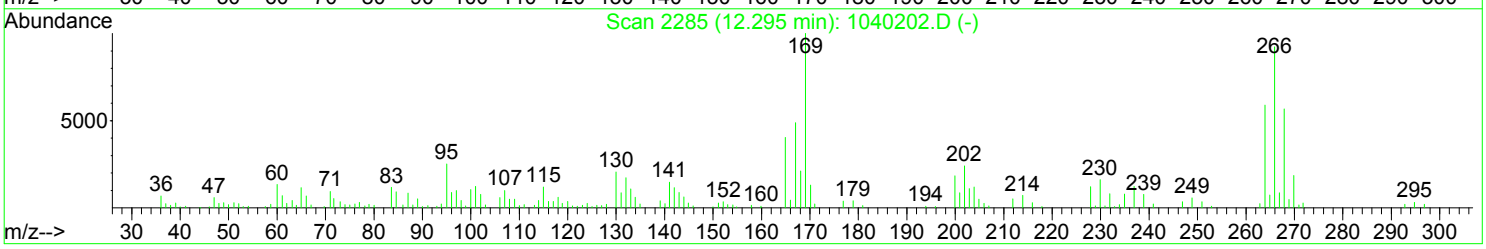
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070901.D **Vial: 1**
Acq On : 9 Jul 2004 9:32 am **Operator: YH**
Sample : DFTPP 2256 **Inst : GC MS9**
Misc : TUNE DFTPP_4 **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 9 11:43 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: S070901.D

(3) Pentachlorophenol (CCC)

10.28min 0.00ng m

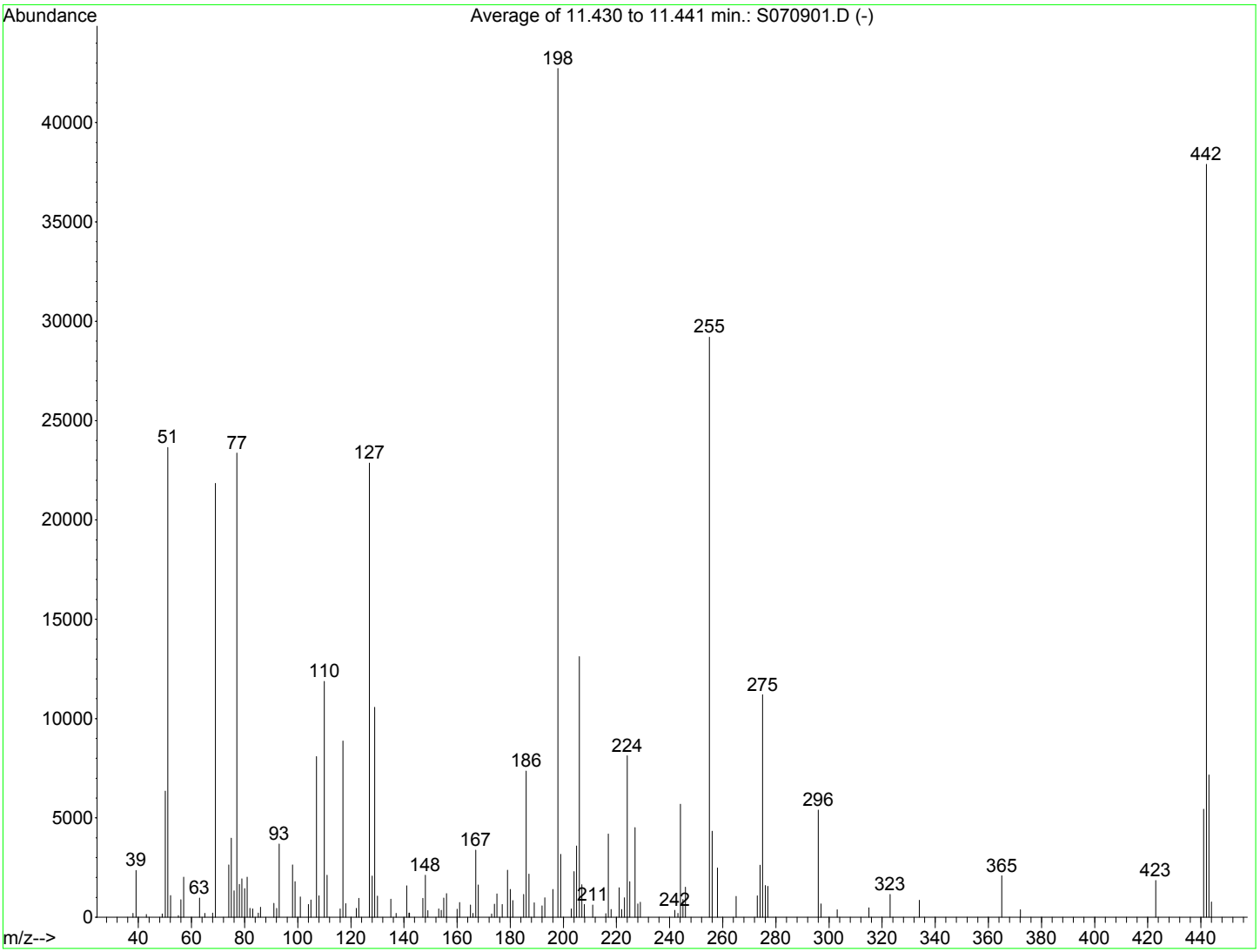
response 50865

Ion	Exp%	Act%
265.70	100	100
263.70	64.20	0.00#
267.70	63.60	0.00#
0.00	0.00	0.00

S070901.D TAILING.M Fri Jul 09 11:43:41 2004

DFTPP 625 Results

D:\MSDCHEM\DATA\S40709\S070901.D **Fri Jul 09 11:42:58 2004**



Peak Apex is scan: 2032
Average of 3 scans: 2031,2032,2033 minus background scan 2023

Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	55.3	PASS
68	69	0	2	1.0	PASS
69	198	0	100	51.1	PASS
70	69	0	2	0.0	PASS
127	198	40	60	53.5	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	7.4	PASS
275	198	10	30	26.2	PASS
365	198	1	100	4.9	PASS
441	443	0	100	76.0	PASS
442	198	40	100	88.7	PASS
443	442	17	23	18.9	PASS

Information from Data File:

File: D:\MSDCHEM\DATA\S40709\S070901.D
Operator: YH
Date Acquired: 9 Jul 2004 9:32 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

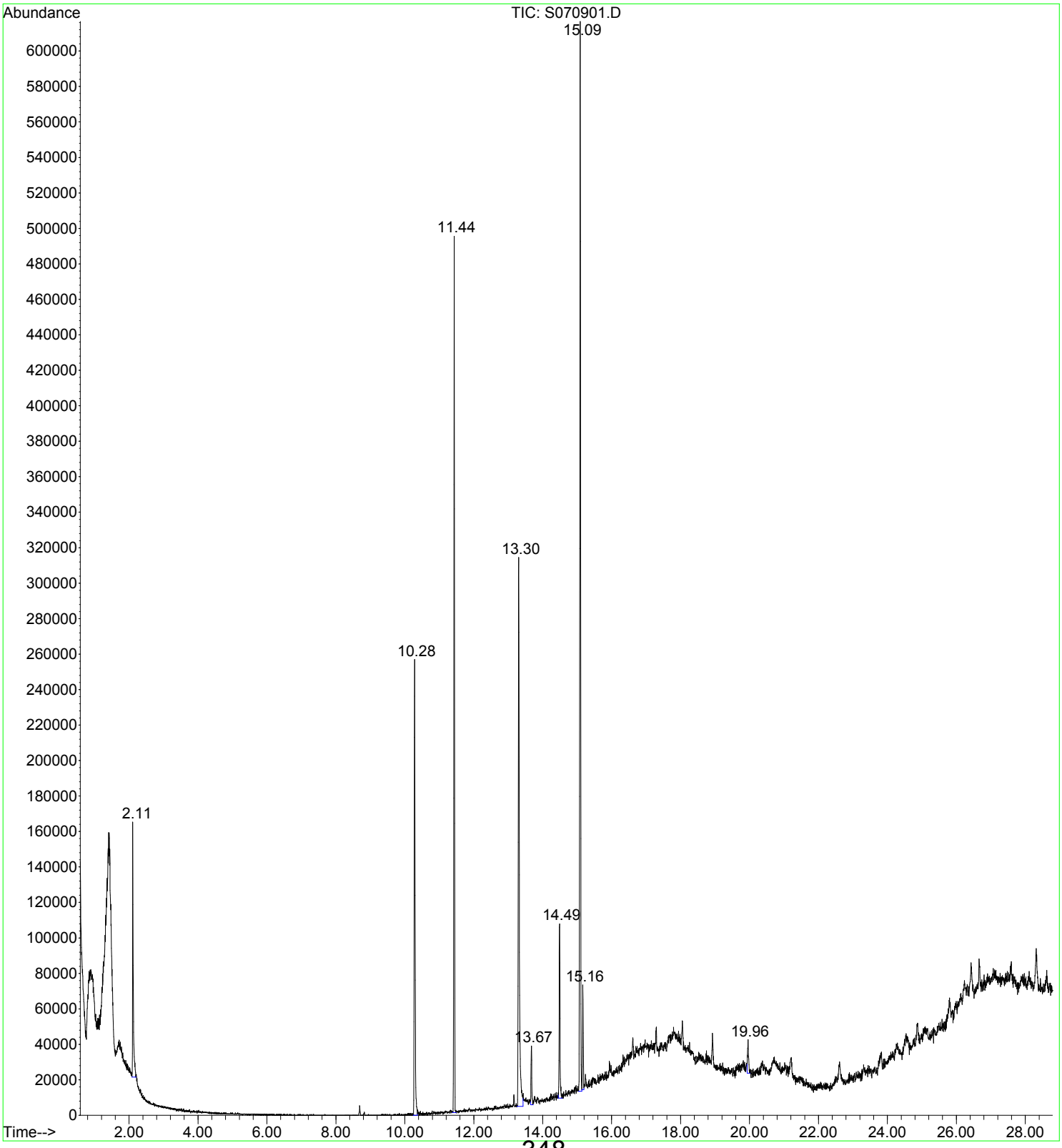
Unknown Spectrum: Apex
Integration Events: RTE Integrator - rteint.p

Pk#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	2.11	5.91	C:\DATABASE\NIST98.L			
			Methylene Chloride	12327	000075-09-2	91
			Methylene Chloride	111039	000075-09-2	91
			Methylene Chloride	111041	000075-09-2	91
2	10.28	13.45	C:\DATABASE\NIST98.L			
			Phenol, pentachloro-	127872	000087-86-5	99
			Phenol, pentachloro-	127880	000087-86-5	99
			Phenol, pentachloro-	127881	000087-86-5	91
3	11.44	20.52	C:\DATABASE\NIST98.L			
			Decafluorotriphenylphosphine	126163	005074-71-5	99
			Decafluorotriphenylphosphine	82794	005074-71-5	99
			Decafluorotriphenylphosphine	126162	005074-71-5	99
4	13.30	19.74	C:\DATABASE\NIST98.L			
			Benzidine	125573	000092-87-5	97
			Benzidine	78849	000092-87-5	96
			Benzidine	125548	000092-87-5	95
5	13.67	1.49	C:\DATABASE\NIST98.L			
			Hexadecanoic acid, butyl ester	15257	000111-06-8	83
			Hexadecanoic acid, 1,1-dimethyl...	15255	031158-91-5	83
			2-Decene, 6-methyl-, (Z)-	15133	074630-31-2	27
6	14.49	5.03	C:\DATABASE\NIST98.L			
			1,1-Dichloro-2,2-bis(p-chloroph...	127280	000072-54-8	91
			1,1-Dichloro-2,2-bis(p-chloroph...	127283	000072-54-8	90
			3-Butanone, 1,1-bis(4-chlorophe...	90533	1000158-20-4	86
7	15.09	30.27	C:\DATABASE\NIST98.L			
			o,p'-DDT	127276	000789-02-6	97
			o,p'-DDT	127279	000789-02-6	94
			o,p'-DDT	127278	000789-02-6	91
8	15.16	2.49	C:\DATABASE\NIST98.L			
			Octadecanoic acid, butyl ester	111935	000123-95-5	90
			Pentanoic acid, 4-oxo-	109518	000123-76-2	32
			1-Undecene, 5-methyl-	15134	074630-38-9	27

9	19.96	1.10	C:\DATABASE\NIST98.L		
			Pentadecane, 2,6,10-trimethyl-	16428	003892-00-0 22
			1-Iodo-2-methylundecane	16410	073105-67-6 22
			Undecane, 4,7-dimethyl-	5605	017301-32-5 22

Area Percent Report

Data File : D:\MSDCHEM\DATA\S40709\S070901.D Vial: 1
Acq On : 9 Jul 2004 9:32 am 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\S40709\S070901.D Vial: 1
Acq On : 9 Jul 2004 9:32 am 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	2.108	282	286	302	rVB	143689	199553	19.51%	5.905%
2	10.281	1809	1816	1832	rBV	256967	454379	44.41%	13.446%
3	11.435	2023	2032	2039	rVB	494008	693379	67.77%	20.519%
4	13.305	2373	2382	2405	rBV	309406	667145	65.21%	19.742%
5	13.674	2446	2451	2458	rVB2	33124	50374	4.92%	1.491%
6	14.491	2597	2604	2615	rVB2	98278	169971	16.61%	5.030%
7	15.089	2707	2716	2724	rBV	603133	1023067	100.00%	30.275%
8	15.164	2724	2730	2736	rBV3	59114	84090	8.22%	2.488%
9	19.956	3622	3627	3635	rVB6	18903	37323	3.65%	1.104%

Sum of corrected areas: 3379281

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	70	-0.04
2		Pyridine	40.000	43.930	-9.8	82	-0.02
3	T	2-Picoline	40.000	37.654	5.9	64	-0.05
4	T	Methyl methanesulfonate	40.000	38.181	4.5	64	-0.04
5	S	2-Fluorophenol	40.000	33.495	16.3	58	-0.05
6	T	Ethyl methanesulfonate	40.000	38.535	3.7	68	-0.04
7		Benzaldehyde	40.000	44.468	-11.2	70	-0.03
8	T	Aniline	40.000	41.574	-3.9	74	-0.04
9	S	Phenol-d5	40.000	38.711	3.2	70	-0.05
10	CCC	Phenol	40.000	39.316	1.7	71	-0.08
11	T	Bis(2-chloroethyl)ether	40.000	42.870	-7.2	79	-0.04
12	T	2-Chlorophenol	40.000	39.214	2.0	71	-0.04
13	T	1,3-Dichlorobenzene	40.000	38.469	3.8	69	-0.03
14	CCC	1,4-Dichlorobenzene	40.000	38.722	3.2	69	-0.04
15	T	1,2-Dichlorobenzene	40.000	38.011	5.0	68	-0.03
16	T	Benzyl alcohol	40.000	40.148	-0.4	77	-0.04
17	T	Bis(2-chloroisopropyl)ether	40.000	39.601	1.0	70	-0.04
18	T	2-Methylphenol	40.000	40.795	-2.0	71	-0.06
19	T	4-Methylphenol	80.000	80.744	-0.9	73	-0.06
20	PC	N-Nitrosodi-n-propylamine	40.000	41.361	-3.4	74	-0.06
21	T	N-Nitrosodimethylamine	40.000	43.345	-8.4	90	-0.02
22	T	Hexachloroethane	40.000	39.515	1.2	72	-0.04
23	I	Naphthalene-d8	40.000	40.000	0.0	72	-0.04
24	S	Nitrobenzene-d5	40.000	39.667	0.8	74	-0.04
25	T	Acetophenone	80.000	75.731	5.3	72	-0.04
26	M	Nitrobenzene	40.000	38.592	3.5	73	-0.05
27	T	N-Nitrosopiperidine	40.000	39.709	0.7	73	-0.05
28	T	Isophorone	40.000	40.320	-0.8	75	-0.05
29	CCC	2-Nitrophenol	40.000	38.311	4.2	70	-0.04
30	T	2,4-Dimethylphenol	40.000	38.617	3.5	73	-0.04
31	T	Bis(2-chloroethoxy)methane	40.000	38.461	3.8	71	-0.04
32	CCC	2,4-Dichlorophenol	40.000	39.564	1.1	74	-0.04
33	T	1,2,4-Trichlorobenzene	40.000	37.505	6.2	71	-0.04
34	T	Naphthalene	40.000	38.839	2.9	73	-0.05
35	T	Benzoic acid	40.000	35.284	11.8	0	-5.40#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	38.858	2.9	72	-0.05
37	T	4-Chloroaniline	40.000	45.171	-12.9	81	-0.04
38	CCC	Hexachlorobutadiene	40.000	38.399	4.0	72	-0.04
39	T	a,a-Dimethylphenethylamine	40.000	41.841	-4.6	76	-0.68#
40		Caprolactam	40.000	42.015	-5.0	76	-0.06
41	CCC	4-Chloro-3-methylphenol	40.000	40.576	-1.4	76	-0.06
42	T	N-Nitrosodi-n-butylamine	40.000	41.447	-3.6	74	-0.05
43	T	2-Methylnaphthalene	40.000	39.059	2.4	72	-0.05
44	T	1-Methylnaphthalene	40.000	39.639	0.9	73	-0.05
45	I	Acenaphthene-d10	40.000	40.000	0.0	76	-0.06
46	T	1,2,4,5-Tetrachlorobenzene	40.000	37.023	7.4	74	-0.05
47	PC	Hexachlorocyclopentadiene	40.000	25.744	35.6#	45	-0.04
48	CCC	2,4,6-Trichlorophenol	40.000	37.924	5.2	76	-0.05
49	T	2,4,5-Trichlorophenol	40.000	39.143	2.1	77	-0.06
50	S	2-Fluorobiphenyl	40.000	37.703	5.7	75	-0.05
51		Biphenyl	40.000	36.308	9.2	74	-0.06
52	T	2-Chloronaphthalene	40.000	36.800	8.0	74	-0.06
53	T	1-Chloronaphthalene	40.000	38.883	2.8	75	-0.06
54	T	2-Nitroaniline	40.000	40.987	-2.5	79	-0.05
55	T	3-Nitroaniline	40.000	39.379	1.6	77	-0.06
56	T	Pentachlorobenzene	40.000	38.646	3.4	76	-0.06
57	T	4-Nitroaniline	40.000	42.062	-5.2	88	-0.09
58	T	2-Naphthylamine	40.000	45.765	-14.4	87	-0.07
59	T	1-Naphthylamine	40.000	53.304	-33.3#	103	-0.07
60	T	Dimethyl phthalate	40.000	39.876	0.3	77	-0.06
61	T	Acenaphthylene	40.000	38.920	2.7	75	-0.06
62	T	2,6-Dinitrotoluene	40.000	40.203	-0.5	78	-0.07
63	CCC	Acenaphthene	40.000	38.347	4.1	77	-0.07
64	PC	2,4-Dinitrophenol	40.000	37.869	5.3	73	-0.03
65	T	Dibenzofuran	40.000	39.314	1.7	77	-0.06
66	PC	4-Nitrophenol	40.000	45.263	-13.2	94	0.00
67	M	2,4-Dinitrotoluene	40.000	40.801	-2.0	80	-0.07
68	T	2,3,4,6-Tetrachlorophenol	40.000	38.952	2.6	81	-0.07
69	T	Diethyl phthalate	40.000	40.619	-1.5	82	-0.08
70	T	Fluorene	40.000	39.398	1.5	79	-0.07

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	39.325	1.7	78	-0.07
72	S	2,4,6-Tribromophenol	40.000	41.255	-3.1	84	-0.07
73	I	Phenanthrene-d10	40.000	40.000	0.0	83	-0.07
74	T	4,6-Dinitro-2-methylphenol	40.000	36.036	9.9	79	-0.09
75	T	Azobenzene	40.000	42.356	-5.9	102	-0.07
76	T	1,2-Diphenylhydrazine	40.000	37.350	6.6	80	-0.07
77	CCC	Diphenylamine	40.000	36.740	8.1	79	-0.08
78	T	N-Nitrosodiphenylamine	40.000	37.679	5.8	81	-0.09
79	T	4-Bromophenyl phenyl ether	40.000	37.127	7.2	78	-0.07
80	T	Phenacetin	40.000	41.767	-4.4	88	-0.11
81	T	Hexachlorobenzene	40.000	38.717	3.2	81	-0.07
82		Atrazine	40.000	41.412	-3.5	87	-0.10
83	T	4-Aminobiphenyl	40.000	47.209	-18.0	98	-0.07
84	CCC	Pentachlorophenol	40.000	43.974	-9.9	104	-0.09
85	T	Pentachloronitrobenzene	40.000	40.722	-1.8	86	-0.08
86	T	Pronamide	40.000	41.141	-2.9	88	-0.09
87	T	Phenanthrene	40.000	39.613	1.0	84	-0.08
88	T	Anthracene	40.000	39.514	1.2	84	-0.08
89	T	Carbazole	40.000	40.935	-2.3	88	-0.08
90	T	Di-n-butyl phthalate	40.000	42.499	-6.2	90	-0.07
91	CCC	Fluoranthene	40.000	42.905	-7.3	93	-0.08
92	I	Chrysene-d12	40.000	40.000	0.0	102	-0.07
93	T	Pyrene	40.000	37.007	7.5	95	-0.08
94	S	4-Terphenyl-d14	40.000	36.142	9.6	94	-0.07
95	T	Benzidine	40.000	82.101	-105.3#	190	-0.07
96	T	Dimethylaminoazobenzene	40.000	38.365	4.1	100	-0.08
97	T	Butyl benzyl phthalate	40.000	39.216	2.0	101	-0.07
98	T	Benz(a)anthracene	40.000	39.494	1.3	104	-0.08
99	T	3,3'-Dichlorobenzidine	40.000	42.210	-5.5	109	-0.08
100	T	Chrysene	40.000	38.628	3.4	102	-0.09
101	T	Bis(2-ethylhexyl)phthalate	40.000	41.124	-2.8	108	-0.07
102	CCC	Di-n-octyl phthalate	40.000	43.552	-8.9	113	-0.10
103	T	3-Methylcholanthrene	40.000	55.745	-39.4#	145	-0.15
104	T	Indeno[1,2,3-cd]pyrene	40.000	47.104	-17.8	125	-0.20

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	136	-0.11
106	T	Benzo[b]fluoranthene	40.000	33.841	15.4	123	-0.12
107	T	Benzo[k]fluoranthene	40.000	35.137	12.2	120	-0.13
108	CCC	Benzo[a]pyrene	40.000	39.110	2.2	136	-0.13
109	T	Dibenz(a,j)acridine	40.000	37.930	5.2	132	-0.20
110	T	Dibenz(a,h)anthracene	40.000	36.598	8.5	128	-0.20
111	T	Benzo[g,h,i]perylene	40.000	31.270	21.8	112	-0.20

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	70	-0.04
2		Pyridine	1.100	1.208	-9.8	82	-0.02
3	T	2-Picoline	0.910	0.856	5.9	64	-0.05
4	T	Methyl methanesulfonate	0.767	0.732	4.6	64	-0.04
5	S	2-Fluorophenol	1.032	0.864	16.3	58	-0.05
6	T	Ethyl methanesulfonate	0.938	0.904	3.6	68	-0.04
7		Benzaldehyde	0.633	0.704	-11.2	70	-0.03
8	T	Aniline	0.760	0.790	-3.9	74	-0.04
9	S	Phenol-d5	1.651	1.598	3.2	70	-0.05
10	CCC	Phenol	1.557	1.530	1.7	71	-0.08
11	T	Bis(2-chloroethyl)ether	0.985	1.056	-7.2	79	-0.04
12	T	2-Chlorophenol	1.345	1.319	1.9	71	-0.04
13	T	1,3-Dichlorobenzene	1.528	1.469	3.9	69	-0.03
14	CCC	1,4-Dichlorobenzene	1.621	1.569	3.2	69	-0.04
15	T	1,2-Dichlorobenzene	1.530	1.454	5.0	68	-0.03
16	T	Benzyl alcohol	0.800	0.803	-0.4	77	-0.04
17	T	Bis(2-chloroisopropyl)ether	2.458	2.433	1.0	70	-0.04
18	T	2-Methylphenol	1.129	1.151	-1.9	71	-0.06
19	T	4-Methylphenol	1.413	1.426	-0.9	73	-0.06
20	PC	N-Nitrosodi-n-propylamine	1.239	1.281	-3.4	74	-0.06
21	T	N-Nitrosodimethylamine	0.373	0.416	-11.5	90	-0.02
22	T	Hexachloroethane	0.735	0.726	1.2	72	-0.04
23	I	Naphthalene-d8	1.000	1.000	0.0	72	-0.04
24	S	Nitrobenzene-d5	0.471	0.467	0.8	74	-0.04
25	T	Acetophenone	0.538	0.509	5.4	72	-0.04
26	M	Nitrobenzene	0.504	0.487	3.4	73	-0.05
27	T	N-Nitrosopiperidine	0.172	0.171	0.6	73	-0.05
28	T	Isophorone	0.795	0.802	-0.9	75	-0.05
29	CCC	2-Nitrophenol	0.194	0.186	4.1	70	-0.04
30	T	2,4-Dimethylphenol	0.315	0.304	3.5	73	-0.04
31	T	Bis(2-chloroethoxy)methane	0.404	0.389	3.7	71	-0.04
32	CCC	2,4-Dichlorophenol	0.311	0.307	1.3	74	-0.04
33	T	1,2,4-Trichlorobenzene	0.372	0.349	6.2	71	-0.04
34	T	Naphthalene	1.159	1.125	2.9	73	-0.05
35	T	Benzoic acid	0.123	0.000	100.0#	0#	-5.40#

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	0.323	0.314	2.8	72	-0.05
37	T	4-Chloroaniline	0.394	0.445	-12.9	81	-0.04
38	CCC	Hexachlorobutadiene	0.241	0.231	4.1	72	-0.04
39	T	a,a-Dimethylphenethylamine	1.006	1.053	-4.7	76	-0.68#
40		Caprolactam	0.230	0.241	-4.8	76	-0.06
41	CCC	4-Chloro-3-methylphenol	0.349	0.354	-1.4	76	-0.06
42	T	N-Nitrosodi-n-butylamine	0.364	0.378	-3.8	74	-0.05
43	T	2-Methylnaphthalene	0.814	0.795	2.3	72	-0.05
44	T	1-Methylnaphthalene	0.748	0.741	0.9	73	-0.05
45	I	Acenaphthene-d10	1.000	1.000	0.0	76	-0.06
46	T	1,2,4,5-Tetrachlorobenzene	0.644	0.596	7.5	74	-0.05
47	PC	Hexachlorocyclopentadiene	0.222	0.114	48.6#	45#	-0.04
48	CCC	2,4,6-Trichlorophenol	0.395	0.374	5.3	76	-0.05
49	T	2,4,5-Trichlorophenol	0.414	0.405	2.2	77	-0.06
50	S	2-Fluorobiphenyl	1.463	1.379	5.7	75	-0.05
51		Biphenyl	1.816	1.648	9.3	74	-0.06
52	T	2-Chloronaphthalene	1.299	1.195	8.0	74	-0.06
53	T	1-Chloronaphthalene	1.213	1.179	2.8	75	-0.06
54	T	2-Nitroaniline	0.451	0.462	-2.4	79	-0.05
55	T	3-Nitroaniline	0.319	0.324	-1.6	77	-0.06
56	T	Pentachlorobenzene	0.583	0.563	3.4	76	-0.06
57	T	4-Nitroaniline	0.281	0.311	-10.7	88	-0.09
58	T	2-Naphthylamine	1.048	1.199	-14.4	87	-0.07
59	T	1-Naphthylamine	0.926	1.234	-33.3#	103	-0.07
60	T	Dimethyl phthalate	1.450	1.446	0.3	77	-0.06
61	T	Acenaphthylene	1.842	1.793	2.7	75	-0.06
62	T	2,6-Dinitrotoluene	0.310	0.311	-0.3	78	-0.07
63	CCC	Acenaphthene	1.248	1.196	4.2	77	-0.07
64	PC	2,4-Dinitrophenol	0.123	0.082	33.3#	73	-0.03
65	T	Dibenzofuran	1.767	1.737	1.7	77	-0.06
66	PC	4-Nitrophenol	0.204	0.231	-13.2	94	0.00
67	M	2,4-Dinitrotoluene	0.427	0.435	-1.9	80	-0.07
68	T	2,3,4,6-Tetrachlorophenol	0.344	0.335	2.6	81	-0.07
69	T	Diethyl phthalate	1.642	1.668	-1.6	82	-0.08
70	T	Fluorene	1.582	1.558	1.5	79	-0.07

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	0.753	0.740	1.7	78	-0.07
72	S	2,4,6-Tribromophenol	0.240	0.248	-3.3	84	-0.07
73	I	Phenanthrene-d10	1.000	1.000	0.0	83	-0.07
74	T	4,6-Dinitro-2-methylphenol	0.135	0.120	11.1	79	-0.09
75	T	Azobenzene	1.066	1.129	-5.9	102	-0.07
76	T	1,2-Diphenylhydrazine	0.223	0.208	6.7	80	-0.07
77	CCC	Diphenylamine	0.157	0.145	7.6	79	-0.08
78	T	N-Nitrosodiphenylamine	0.803	0.757	5.7	81	-0.09
79	T	4-Bromophenyl phenyl ether	0.236	0.219	7.2	78	-0.07
80	T	Phenacetin	0.386	0.403	-4.4	88	-0.11
81	T	Hexachlorobenzene	0.251	0.243	3.2	81	-0.07
82		Atrazine	0.231	0.240	-3.9	87	-0.10
83	T	4-Aminobiphenyl	0.654	0.772	-18.0	98	-0.07
84	CCC	Pentachlorophenol	0.101	0.101	0.0	104	-0.09
85	T	Pentachloronitrobenzene	0.131	0.133	-1.5	86	-0.08
86	T	Pronamide	0.379	0.390	-2.9	88	-0.09
87	T	Phenanthrene	1.195	1.183	1.0	84	-0.08
88	T	Anthracene	1.200	1.186	1.2	84	-0.08
89	T	Carbazole	1.102	1.127	-2.3	88	-0.08
90	T	Di-n-butyl phthalate	1.398	1.485	-6.2	90	-0.07
91	CCC	Fluoranthene	1.373	1.472	-7.2	93	-0.08
92	I	Chrysene-d12	1.000	1.000	0.0	102	-0.07
93	T	Pyrene	1.357	1.256	7.4	95	-0.08
94	S	4-Terphenyl-d14	0.979	0.884	9.7	94	-0.07
95	T	Benzidine	0.309	0.550	-78.0#	190#	-0.07
96	T	Dimethylaminoazobenzene	0.277	0.266	4.0	100	-0.08
97	T	Butyl benzyl phthalate	0.631	0.619	1.9	101	-0.07
98	T	Benz(a)anthracene	1.362	1.345	1.2	104	-0.08
99	T	3,3'-Dichlorobenzidine	0.488	0.515	-5.5	109	-0.08
100	T	Chrysene	1.344	1.298	3.4	102	-0.09
101	T	Bis(2-ethylhexyl)phthalate	0.891	0.916	-2.8	108	-0.07
102	CCC	Di-n-octyl phthalate	1.548	1.686	-8.9	113	-0.10
103	T	3-Methylcholanthrene	0.683	0.952	-39.4#	145	-0.15
104	T	Indeno[1,2,3-cd]pyrene	1.600	1.884	-17.7	125	-0.20

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	136	-0.11
106	T	Benzo[b]fluoranthene	1.522	1.288	15.4	123	-0.12
107	T	Benzo[k]fluoranthene	1.480	1.300	12.2	120	-0.13
108	CCC	Benzo[a]pyrene	1.414	1.383	2.2	136	-0.13
109	T	Dibenz(a,j)acridine	1.438	1.364	5.1	132	-0.20
110	T	Dibenz(a,h)anthracene	1.593	1.457	8.5	128	-0.20
111	T	Benzo[g,h,i]perylene	1.794	1.402	21.9	112	-0.20

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 11:31:31 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	47013	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	188106	40.00	ng	-0.04
45) Acenaphthene-d10	7.78	164	120504	40.00	ng	-0.06
73) Phenanthrene-d10	10.45	188	247056	40.00	ng	-0.07
92) Chrysene-d12	15.92	240	311399	40.00	ng	-0.07
105) Perylene-d12	19.18	264	400524	40.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	2.78	112	40629	33.49	ng	-0.05
Spiked Amount 100.000	Range 21 - 110		Recovery = 33.49%			
9) Phenol-d5	3.90	99	75119	38.71	ng	-0.05
Spiked Amount 100.000	Range 10 - 110		Recovery = 38.71%			
24) Nitrobenzene-d5	4.66	82	87892	39.67	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 79.34%			
50) 2-Fluorobiphenyl	6.77	172	166153	37.70	ng	-0.05
Spiked Amount 50.000	Range 43 - 116		Recovery = 75.40%			
72) 2,4,6-Tribromophenol	9.20	330	29832	41.25	ng	-0.07
Spiked Amount 100.000	Range 10 - 123		Recovery = 41.25%			
94) 4-Terphenyl-d14	13.81	244	275370	36.14	ng	-0.07
Spiked Amount 50.000	Range 33 - 141		Recovery = 72.28%			

Target Compounds							Qvalue
2) Pyridine	0.87	79	56796	43.93	ng		98
3) 2-Picoline	1.67	93	40257m	37.65	ng		
4) Methyl methanesulfonate	2.51	80	34427	38.18	ng	#	92
6) Ethyl methanesulfonate	3.40	79	42490	38.53	ng		97
7) Benzaldehyde	3.65	105	33083	44.47	ng		97
8) Aniline	3.81	66	37119	41.57	ng		98
10) Phenol	3.91	94	71951	39.32	ng		98
11) Bis(2-chloroethyl)ether	3.88	63	49648	42.87	ng		92
12) 2-Chlorophenol	3.93	128	61990	39.21	ng		98
13) 1,3-Dichlorobenzene	4.04	146	69073	38.47	ng		99
14) 1,4-Dichlorobenzene	4.09	146	73763	38.72	ng		98
15) 1,2-Dichlorobenzene	4.27	146	68344	38.01	ng		98
16) Benzyl alcohol	4.29	108	37735	40.15	ng		93
17) Bis(2-chloroisopropyl)ethe	4.42	45	114391	39.60	ng		99
18) 2-Methylphenol	4.46	107	54124	40.80	ng		96

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 11:31:31 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
19)	4-Methylphenol	4.61	107	134072	80.74 ng		97
20)	N-Nitrosodi-n-propylamine	4.55	70	60213	41.36 ng		96
21)	N-Nitrosodimethylamine	0.87	42	19559	43.35 ng	#	93
22)	Hexachloroethane	4.56	117	34133	39.51 ng		97
25)	Acetophenone	4.51	105	191437	75.73 ng		97
26)	Nitrobenzene	4.67	77	91541	38.59 ng		98
27)	N-Nitrosopiperidine	4.83	114	32173	39.71 ng	#	88
28)	Isophorone	4.91	82	150808	40.32 ng		98
29)	2-Nitrophenol	5.00	139	34910	38.31 ng		97
30)	2,4-Dimethylphenol	5.11	122	57127	38.62 ng		98
31)	Bis(2-chloroethoxy)methane	5.17	93	73095	38.46 ng		98
32)	2,4-Dichlorophenol	5.30	162	57816	39.56 ng		98
33)	1,2,4-Trichlorobenzene	5.33	180	65569	37.51 ng		100
34)	Naphthalene	5.39	128	211676	38.84 ng		100
35)	Benzoic acid	0.00	122	0	N.D. d		
36)	2,6-Dichlorophenol	5.52	162	58974	38.86 ng		98
37)	4-Chloroaniline	5.52	127	83624	45.17 ng		98
38)	Hexachlorobutadiene	5.61	225	43517	38.40 ng		99
39)	a,a-Dimethylphenethylamine	5.42	58	198002m	41.84 ng		
40)	Caprolactam	5.93	55	45414m	42.01 ng		
41)	4-Chloro-3-methylphenol	6.17	107	66593	40.58 ng		95
42)	N-Nitrosodi-n-butylamine	5.93	84	71011	41.45 ng		93
43)	2-Methylnaphthalene	6.23	142	149572	39.06 ng		98
44)	1-Methylnaphthalene	6.37	142	139478	39.64 ng		98
46)	1,2,4,5-Tetrachlorobenzene	6.50	216	71840	37.02 ng		99
47)	Hexachlorocyclopentadiene	6.54	237	13758	25.74 ng	#	93
48)	2,4,6-Trichlorophenol	6.69	196	45087	37.92 ng		100
49)	2,4,5-Trichlorophenol	6.79	196	48840	39.14 ng		97
51)	Biphenyl	6.89	154	198618	36.31 ng		99
52)	2-Chloronaphthalene	6.89	162	144001	36.80 ng		100
53)	1-Chloronaphthalene	6.94	162	142047	38.88 ng		99
54)	2-Nitroaniline	7.15	65	55645	40.99 ng		94
55)	3-Nitroaniline	7.82	138	38996	39.38 ng	#	98
56)	Pentachlorobenzene	8.15	250	67825	38.65 ng		98
57)	4-Nitroaniline	8.91	138	37535	42.06 ng		99
58)	2-Naphthylamine	8.27	143	144442	45.76 ng		98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 11:31:31 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
59)	1-Naphthylamine	8.40	143	148706	53.30 ng		99
60)	Dimethyl phthalate	7.48	163	174205	39.88 ng		99
61)	Acenaphthylene	7.53	152	216016	38.92 ng		99
62)	2,6-Dinitrotoluene	7.58	165	37515	40.20 ng		92
63)	Acenaphthene	7.83	154	144162	38.35 ng		99
64)	2,4-Dinitrophenol	8.03	184	9895	37.87 ng		92
65)	Dibenzofuran	8.11	168	209258	39.31 ng		100
66)	4-Nitrophenol	8.40	65	27823m	45.26 ng		
67)	2,4-Dinitrotoluene	8.24	165	52466	40.80 ng	#	82
68)	2,3,4,6-Tetrachlorophenol	8.45	232	40419	38.95 ng		97
69)	Diethyl phthalate	8.71	149	200975	40.62 ng		98
70)	Fluorene	8.71	166	187726	39.40 ng		99
71)	4-Chlorophenyl phenyl ethe	8.75	204	89149	39.32 ng		98
74)	4,6-Dinitro-2-methylphenol	8.97	198	29683	36.04 ng	#	99
75)	Azobenzene	9.03	77	278930	42.36 ng		92
76)	1,2-Diphenylhydrazine	9.03	182	51433	37.35 ng	#	87
77)	Diphenylamine	9.00	170	35711	36.74 ng	#	91
78)	N-Nitrosodiphenylamine	9.00	168	186902	37.68 ng		99
79)	4-Bromophenyl phenyl ether	9.64	248	54165	37.13 ng		97
80)	Phenacetin	9.73	108	99639	41.77 ng		98
81)	Hexachlorobenzene	9.88	284	60011	38.72 ng		96
82)	Atrazine	10.14	200	59210	41.41 ng		96
83)	4-Aminobiphenyl	10.17	169	190781	47.21 ng		99
84)	Pentachlorophenol	10.29	266	25001	43.97 ng		99
85)	Pentachloronitrobenzene	10.41	237	32841	40.72 ng		93
86)	Pronamide	10.45	173	96422	41.14 ng		97
87)	Phenanthrene	10.49	178	292364	39.61 ng		97
88)	Anthracene	10.59	178	292938	39.51 ng		100
89)	Carbazole	10.98	167	278516	40.93 ng		100
90)	Di-n-butyl phthalate	11.92	149	366930	42.50 ng		100
91)	Fluoranthene	12.90	202	363744	42.91 ng		100
93)	Pyrene	13.34	202	390978	37.01 ng		100
95)	Benzidine	13.31	184	171241	82.10 ng		93
96)	Dimethylaminoazobenzene	14.16	225	82825	38.36 ng		95
97)	Butyl benzyl phthalate	15.00	149	192742	39.22 ng		98
98)	Benz(a)anthracene	15.89	228	418713	39.49 ng		99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 11:31:31 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

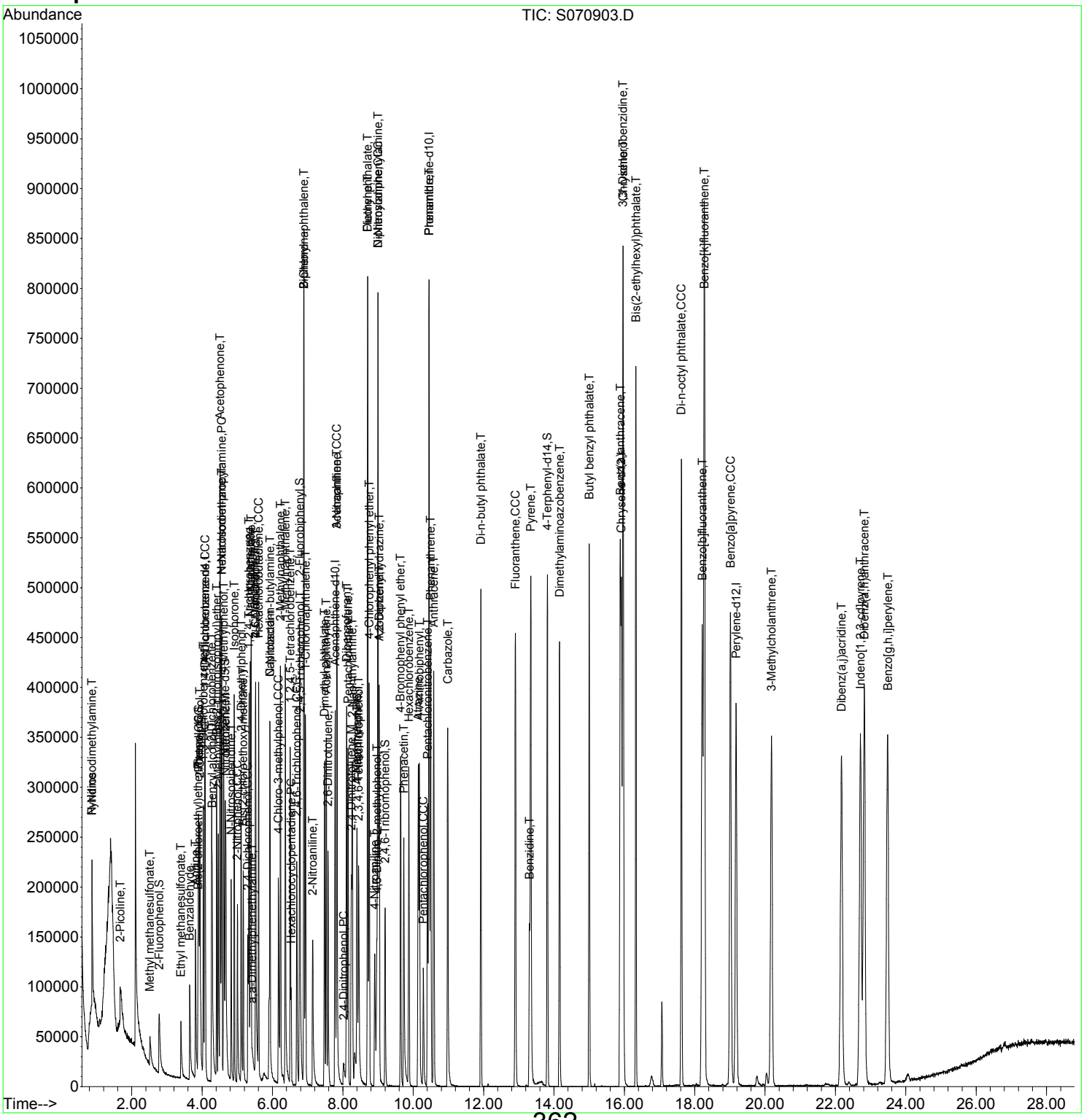
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	15.95	252	160518	42.21 ng	99
100)	Chrysene	15.97	228	404301	38.63 ng	100
101)	Bis(2-ethylhexyl)phthalate	16.33	149	285315	41.12 ng	99
102)	Di-n-octyl phthalate	17.62	149	524922	43.55 ng	98
103)	3-Methylcholanthrene	20.19	268	296333	55.75 ng	98
104)	Indeno[1,2,3-cd]pyrene	22.71	276	586551m	47.10 ng	
106)	Benzo[b]fluoranthene	18.21	252	515686	33.84 ng	95
107)	Benzo[k]fluoranthene	18.28	252	520569	35.14 ng	98
108)	Benzo[a]pyrene	19.02	252	553910	39.11 ng	100
109)	Dibenz(a,j)acridine	22.17	279	546149	37.93 ng	100
110)	Dibenz(a,h)anthracene	22.82	278	583658	36.60 ng	97
111)	Benzo[g,h,i]perylene	23.49	276	561589	31.27 ng	99

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:20 2004 Quant Results File: B070104.RES

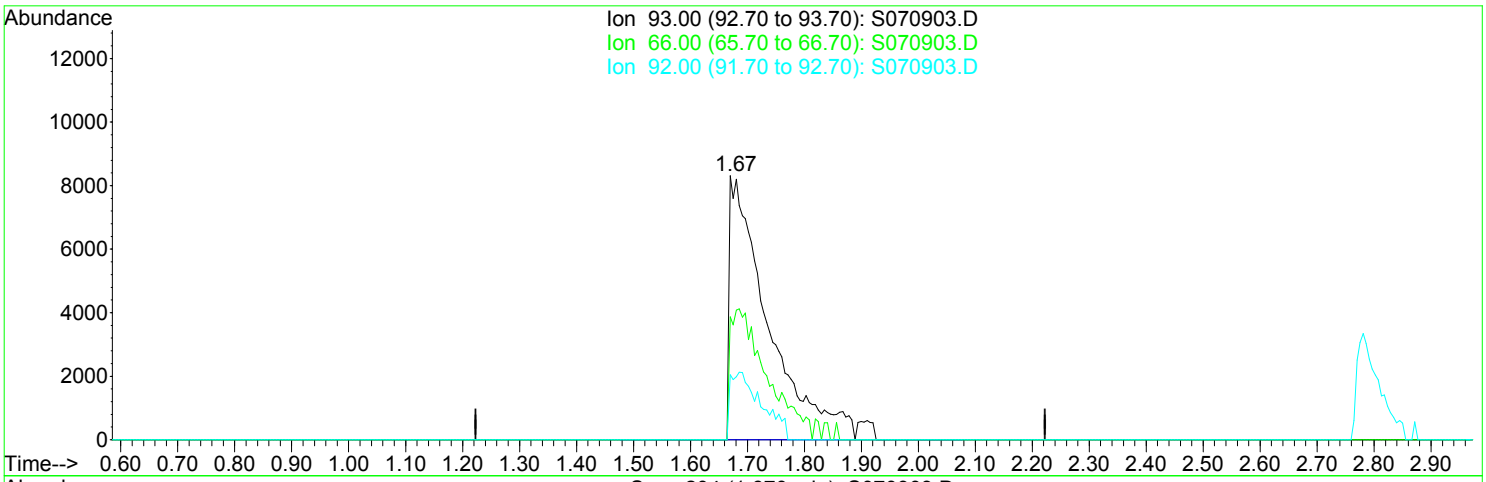
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration

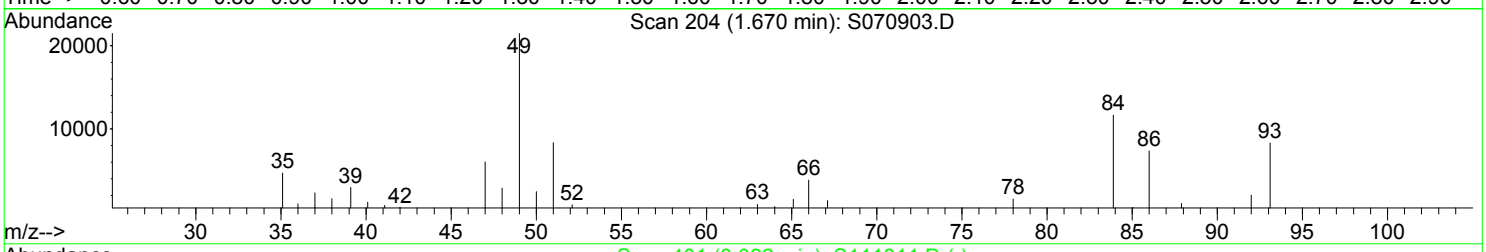


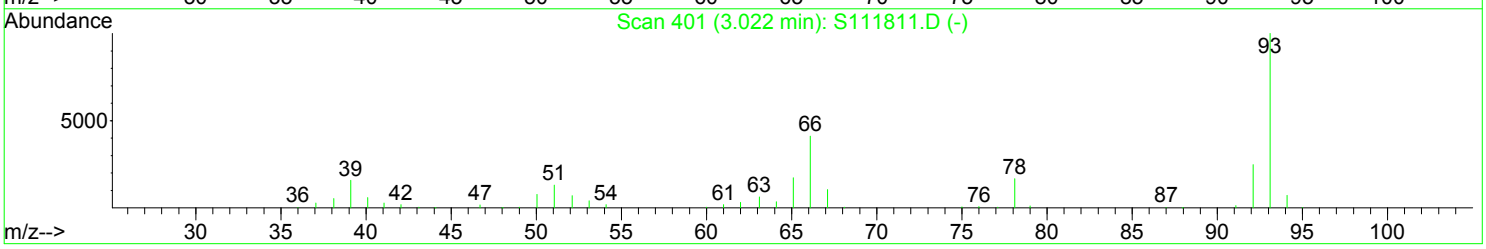
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:17 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070903.D

(3) 2-Picoline (T)

1.67min 37.65ng m

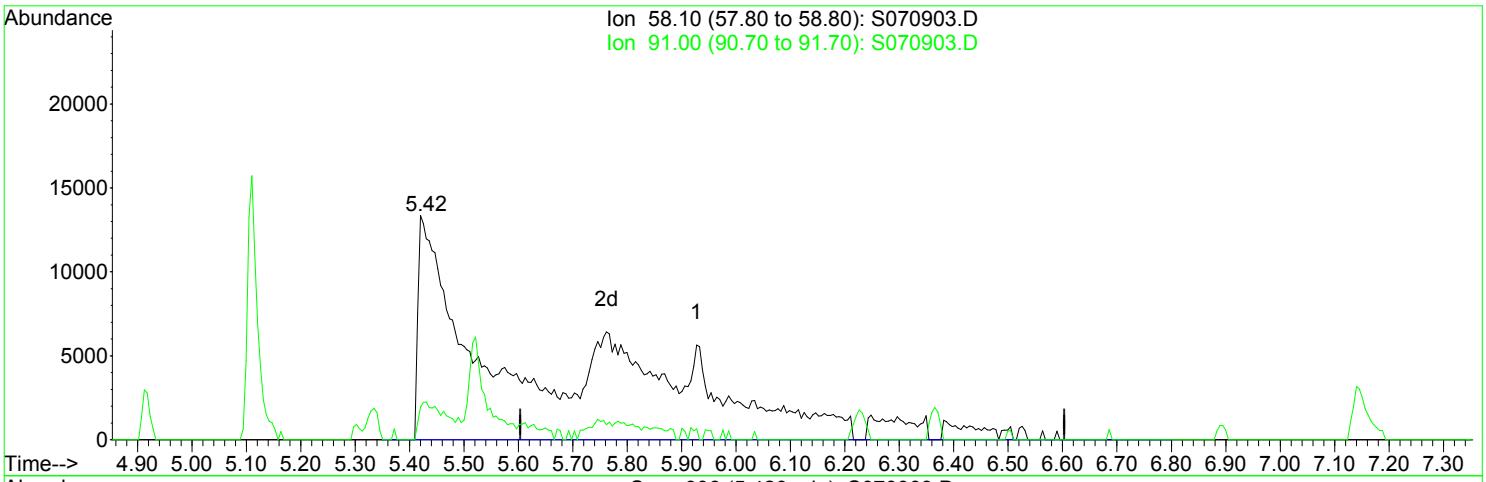
response 40257

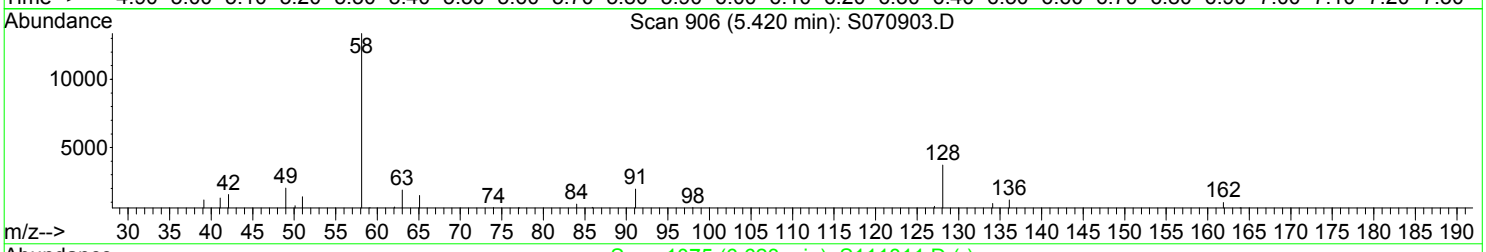
Ion	Exp%	Act%
93.00	100	100
66.00	48.80	38.47
92.00	22.50	20.09
0.00	0.00	0.00

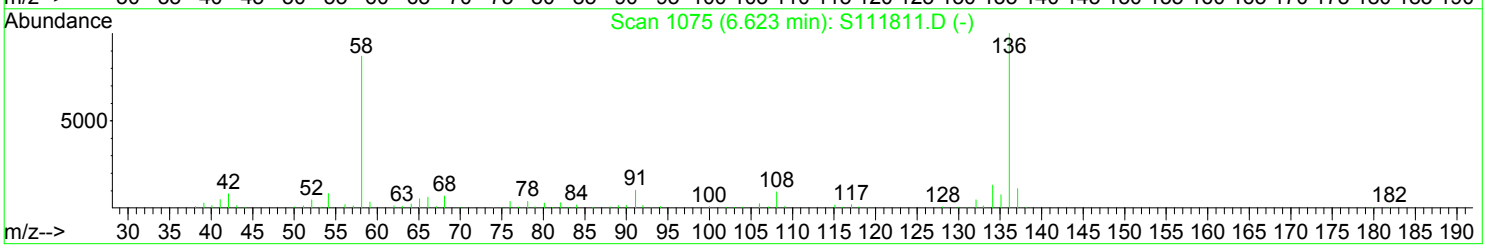
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D **Vial: 2**
Acq On : 9 Jul 2004 10:26 am **Operator: YH**
Sample : BNA40 2275 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:18 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070903.D

(39) a,a-Dimethylphenethylamine (T)

5.42min 41.84ng m

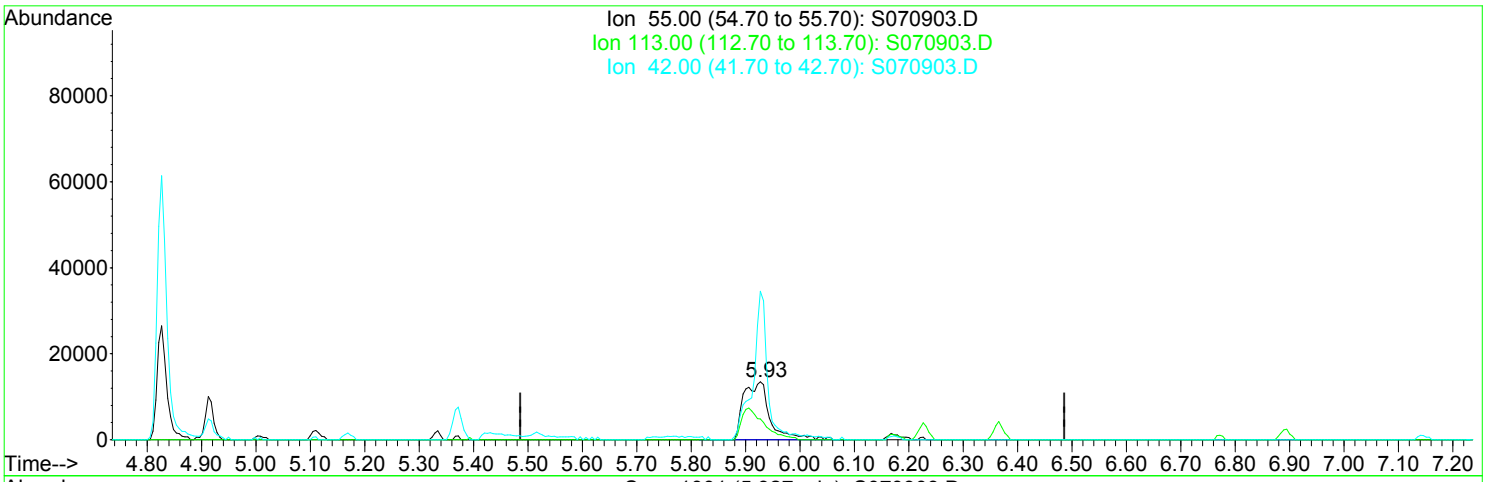
response 198002

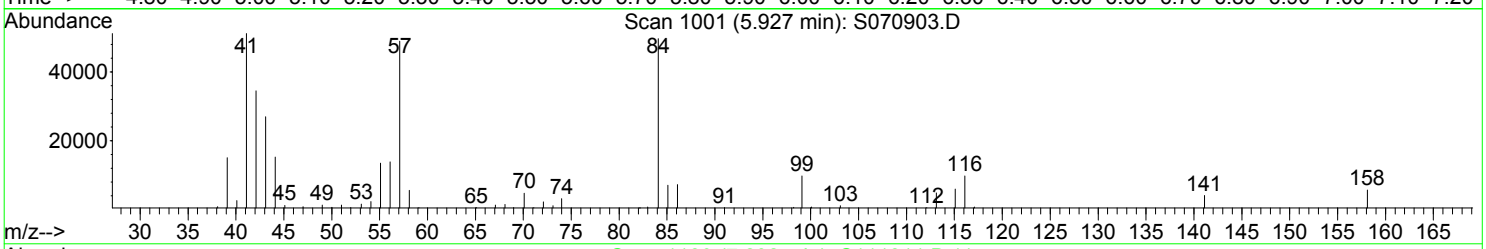
Ion	Exp%	Act%
58.10	100	100
91.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

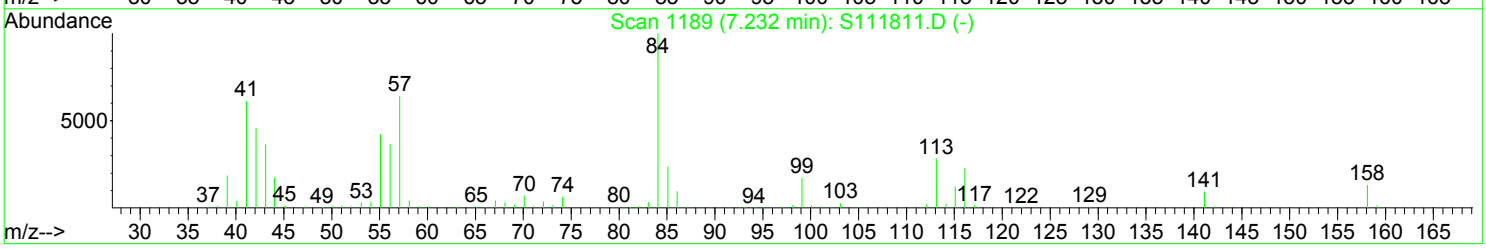
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:18 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070903.D

(40) Caprolactam

5.93min 42.01ng m

response 45414

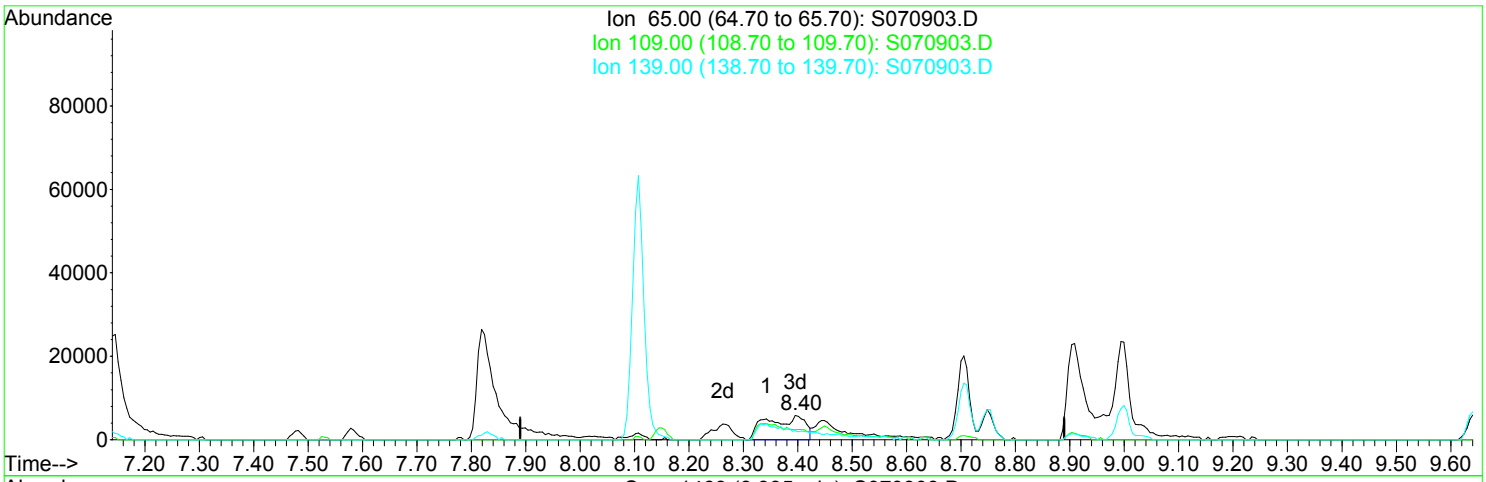
Ion	Exp%	Act%
55.00	100	100
113.00	49.60	46.78
42.00	129.90	142.02
0.00	0.00	0.00

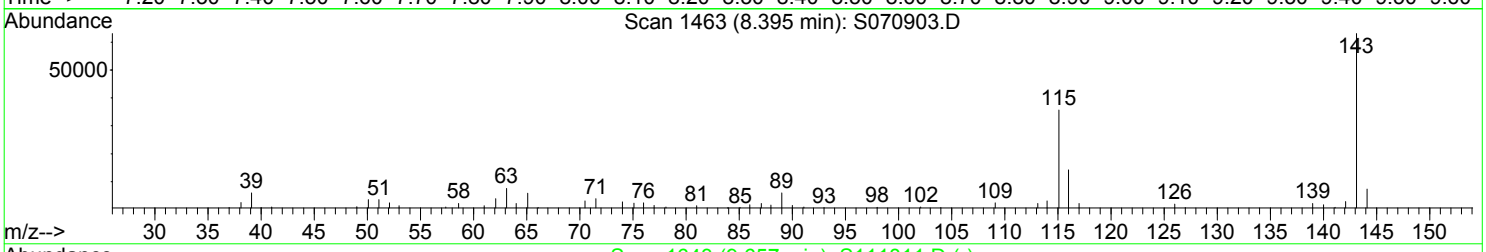
S070903.D B070104.M Fri Jul 09 12:18:56 2004

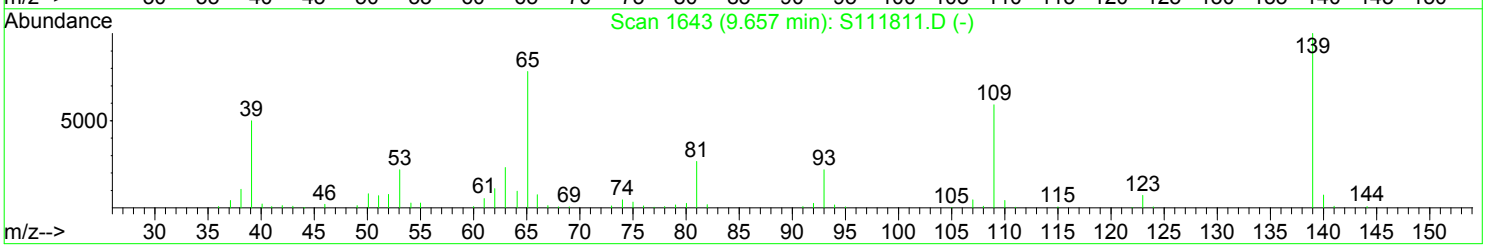
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D **Vial: 2**
Acq On : 9 Jul 2004 10:26 am **Operator: YH**
Sample : BNA40 2275 **Inst : GC MS9**
Misc : CCV 8270_TCL4.2_S **Multiplr: 1.00**
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:18 2004 **Quant Results File: temp.res**

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070903.D

(66) 4-Nitrophenol (PC)

8.40min 45.26ng m

response 27823

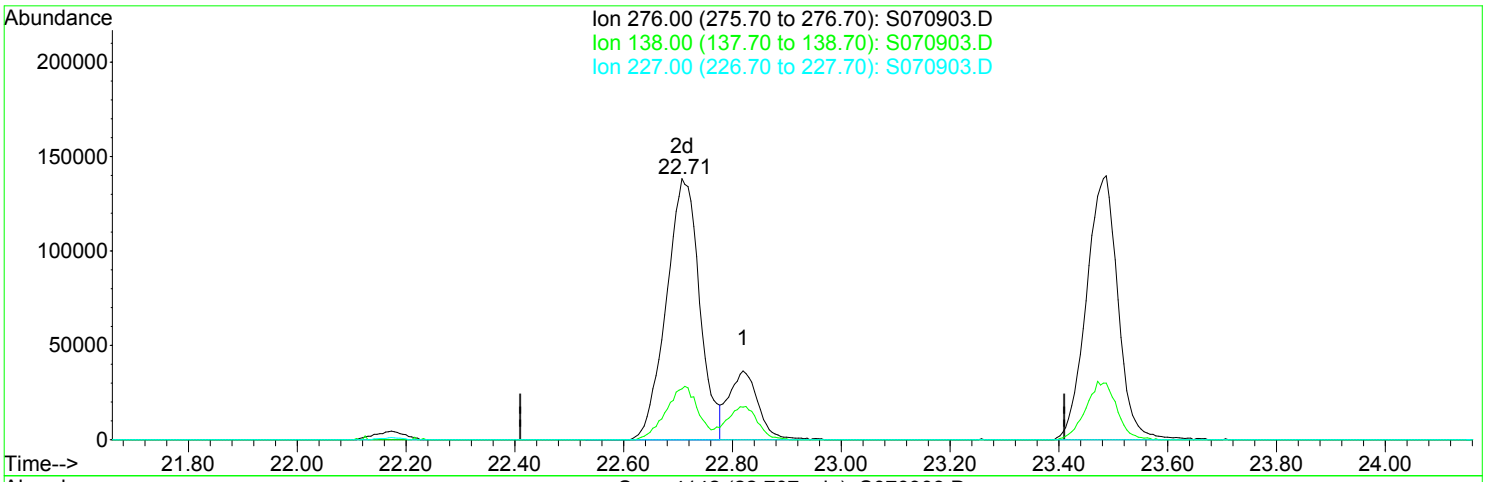
Ion	Exp%	Act%
65.00	100	100
109.00	104.60	41.68#
139.00	127.20	69.56#
0.00	0.00	0.00

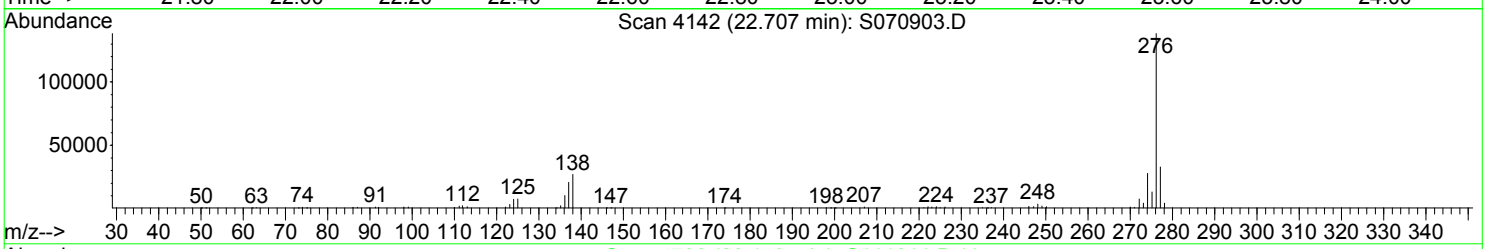
S070903.D B070104.M Fri Jul 09 12:19:52 2004

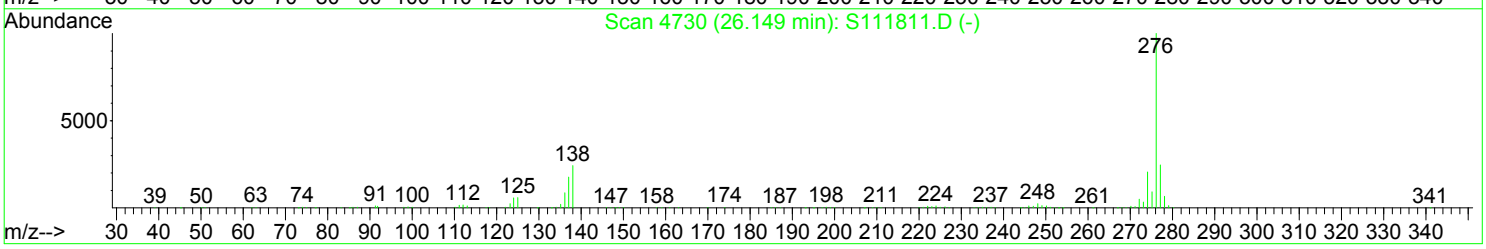
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070903.D Vial: 2
Acq On : 9 Jul 2004 10:26 am Operator: YH
Sample : BNA40 2275 Inst : GC MS9
Misc : CCV 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 12:20 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070903.D

(104) Indeno[1,2,3-cd]pyrene (T)

22.71min 47.10ng m

response 586551

Ion	Exp%	Act%
276.00	100	100
138.00	20.10	11.13
227.00	0.00	0.00
0.00	0.00	0.00

S070903.D B070104.M Fri Jul 09 12:20:47 2004

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070904.D Vial: 3
Acq On : 9 Jul 2004 11:36 am Operator: YH
Sample : MB-47515 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:15:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	40333	40.00 ng	-0.04
23) Naphthalene-d8	5.37	136	168019	40.00 ng	-0.05
45) Acenaphthene-d10	7.78	164	107918	40.00 ng	-0.06
73) Phenanthrene-d10	10.44	188	213180	40.00 ng	-0.09
92) Chrysene-d12	15.91	240	262381	40.00 ng	-0.09
105) Perylene-d12	19.17	264	359633	40.00 ng	-0.12

System Monitoring Compounds					
5) 2-Fluorophenol	2.77	112	69341	66.63 ng	-0.06
Spiked Amount 100.000	Range 21 - 110		Recovery = 66.63%		
9) Phenol-d5	3.89	99	110080	66.12 ng	-0.05
Spiked Amount 100.000	Range 10 - 110		Recovery = 66.12%		
24) Nitrobenzene-d5	4.66	82	66856	33.78 ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 67.56%		
50) 2-Fluorobiphenyl	6.77	172	144730	36.67 ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 73.34%		
72) 2,4,6-Tribromophenol	9.20	330	56587	87.38 ng	-0.07
Spiked Amount 100.000	Range 10 - 123		Recovery = 87.38%		
94) 4-Terphenyl-d14	13.81	244	268149	41.77 ng	-0.08
Spiked Amount 50.000	Range 33 - 141		Recovery = 83.54%		

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\S40709\S070904.D Vial: 3
Acq On : 9 Jul 2004 11:36 am Operator: YH
Sample : MB-47515 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:15:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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.	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\S40709\S070904.D Vial: 3
Acq On : 9 Jul 2004 11:36 am Operator: YH
Sample : MB-47515 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:15:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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\S40709\S070904.D Vial: 3
Acq On : 9 Jul 2004 11:36 am Operator: YH
Sample : MB-47515 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:15:19 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

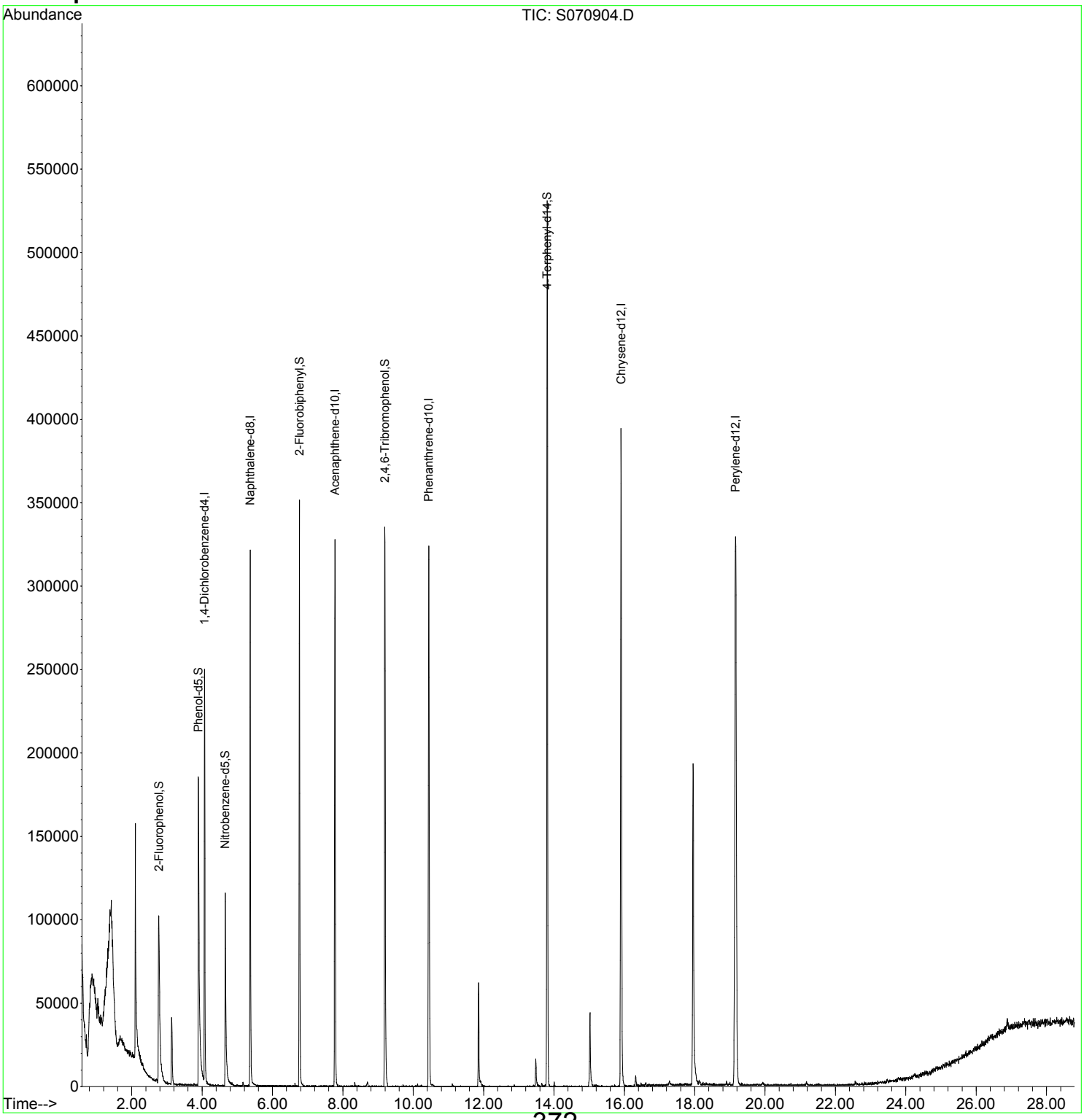
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	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\S40709\S070904.D Vial: 3
Acq On : 9 Jul 2004 11:36 am Operator: YH
Sample : MB-47515 Inst : GC MS9
Misc : MBLK 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 13:16 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070905.D Vial: 4
Acq On : 9 Jul 2004 12:14 pm Operator: YH
Sample : LCS-47515 Inst : GC MS9
Misc : LCS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:17:33 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	41690	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	166424	40.00	ng	-0.05
45) Acenaphthene-d10	7.78	164	107053	40.00	ng	-0.06
73) Phenanthrene-d10	10.44	188	213549	40.00	ng	-0.09
92) Chrysene-d12	15.91	240	267288	40.00	ng	-0.09
105) Perylene-d12	19.16	264	363914	40.00	ng	-0.12

System Monitoring Compounds						
5) 2-Fluorophenol	2.76	112	68332	63.53	ng	-0.07
Spiked Amount 100.000	Range 21 - 110		Recovery = 63.53%			
9) Phenol-d5	3.89	99	102867	59.78	ng	-0.06
Spiked Amount 100.000	Range 10 - 110		Recovery = 59.78%			
24) Nitrobenzene-d5	4.66	82	73042	37.26	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 74.52%			
50) 2-Fluorobiphenyl	6.77	172	151157	38.61	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 77.22%			
72) 2,4,6-Tribromophenol	9.19	330	59283	92.28	ng	-0.08
Spiked Amount 100.000	Range 10 - 123		Recovery = 92.28%			
94) 4-Terphenyl-d14	13.81	244	279851	42.79	ng	-0.08
Spiked Amount 50.000	Range 33 - 141		Recovery = 85.58%			

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	3.90	94	127941	78.84	ng	96
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d		
12) 2-Chlorophenol	3.93	128	107910	76.98	ng	98
13) 1,3-Dichlorobenzene	0.00	146	0	N.D. d		
14) 1,4-Dichlorobenzene	4.08	146	118685	70.26	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\S40709\S070905.D Vial: 4
Acq On : 9 Jul 2004 12:14 pm Operator: YH
Sample : LCS-47515 Inst : GC MS9
Misc : LCS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:17:33 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	4.54	70	110022	85.22 ng	93
21)	N-Nitrosodimethylamine	0.00	42	0	N.D.	
22)	Hexachloroethane	0.00	117	0	N.D. 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	5.33	180	114306	73.90 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	6.16	107	127535	87.83 ng	91
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\S40709\S070905.D Vial: 4
Acq On : 9 Jul 2004 12:14 pm Operator: YH
Sample : LCS-47515 Inst : GC MS9
Misc : LCS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:17:33 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.83	154	273841	81.99 ng		99
64) 2,4-Dinitrophenol	0.00	184	0	N.D.		
65) Dibenzofuran	0.00	168	0	N.D.		
66) 4-Nitrophenol	8.28	65	60082	110.02 ng	#	64
67) 2,4-Dinitrotoluene	8.24	165	98737	86.43 ng		83
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. 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	10.27	266	60089	94.33 ng		97
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. d		
93) Pyrene	13.34	202	786525	86.73 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\S40709\S070905.D Vial: 4
Acq On : 9 Jul 2004 12:14 pm Operator: YH
Sample : LCS-47515 Inst : GC MS9
Misc : LCS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:17:33 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

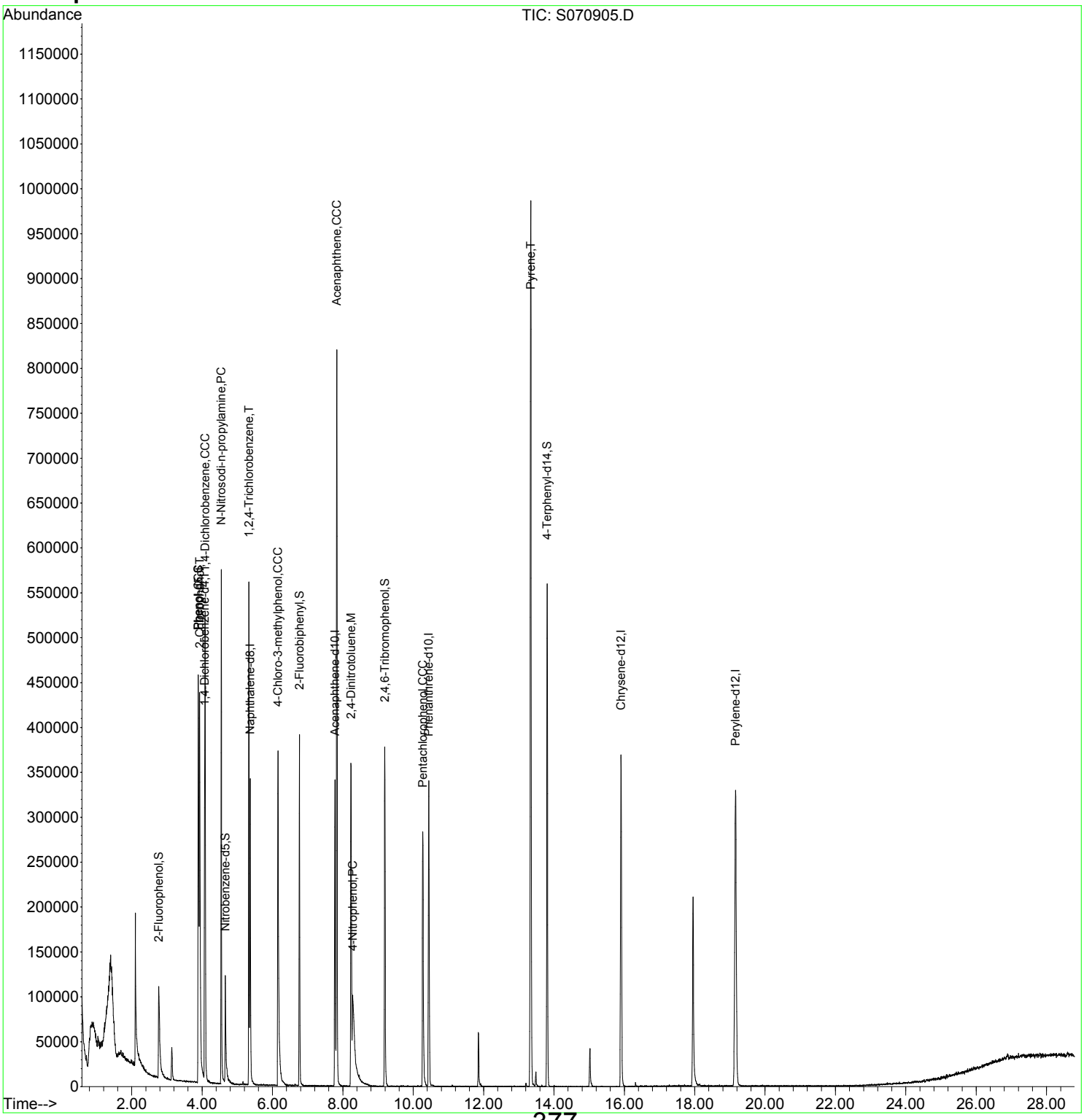
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	0.00	228	0	N.D.	
101)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
102)	Di-n-octyl phthalate	0.00	149	0	N.D.	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D.	
106)	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\S40709\S070905.D Vial: 4
Acq On : 9 Jul 2004 12:14 pm Operator: YH
Sample : LCS-47515 Inst : GC MS9
Misc : LCS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 13:20 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:21:06 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	36158	40.00	ng	-0.04
23) Naphthalene-d8	5.36	136	145494	40.00	ng	-0.05
45) Acenaphthene-d10	7.77	164	97196	40.00	ng	-0.07
73) Phenanthrene-d10	10.43	188	187316	40.00	ng	-0.10
92) Chrysene-d12	15.90	240	248270	40.00	ng	-0.09
105) Perylene-d12	19.16	264	378228	40.00	ng	-0.12

System Monitoring Compounds

5) 2-Fluorophenol	2.76	112	43914	47.07	ng	-0.07
Spiked Amount 100.000	Range 21 - 110		Recovery = 47.07%			
9) Phenol-d5	3.90	99	72713	48.72	ng	-0.05
Spiked Amount 100.000	Range 10 - 110		Recovery = 48.72%			
24) Nitrobenzene-d5	4.66	82	50504	29.47	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 58.94%			
50) 2-Fluorobiphenyl	6.76	172	101028	28.42	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 56.84%			
72) 2,4,6-Tribromophenol	9.19	330	36591	62.74	ng	-0.09
Spiked Amount 100.000	Range 10 - 123		Recovery = 62.74%			
94) 4-Terphenyl-d14	13.80	244	172262	28.36	ng	-0.09
Spiked Amount 50.000	Range 33 - 141		Recovery = 56.72%			

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\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:21:06 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:21:06 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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.	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.	d	
91)	Fluoranthene	12.89	202	13254	2.06 ng	#	64
93)	Pyrene	13.33	202	18743	2.23 ng	#	70
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	15.87	228	12458	1.47 ng	#	58

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 13:21:06 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

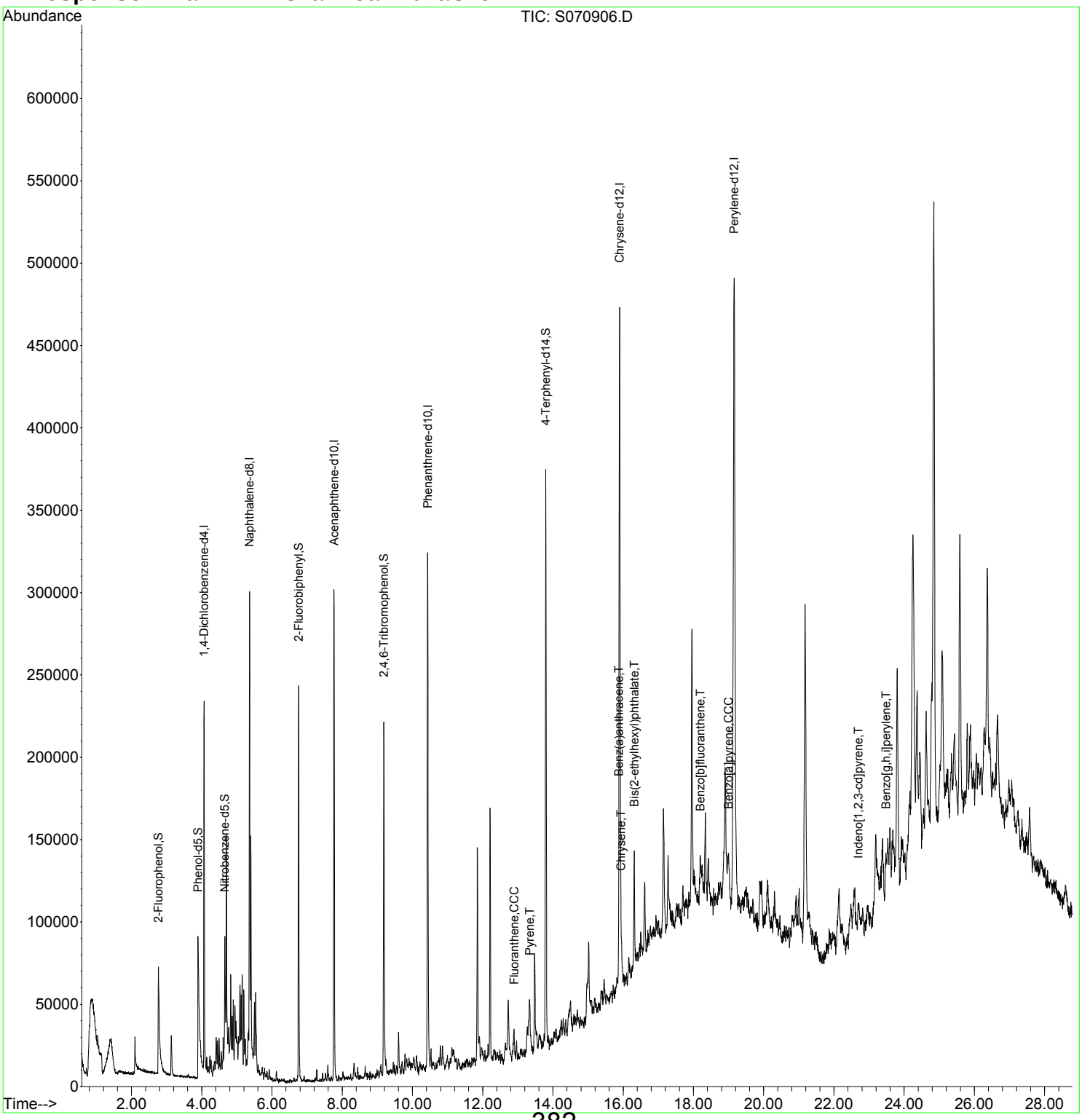
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	15.94	228	18292	2.19 ng		91
101)	Bis(2-ethylhexyl)phthalate	16.32	149	24859	4.49 ng	#	90
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.69	276	19061	1.92 ng	#	84
106)	Benzo[b]fluoranthene	18.20	252	53139	3.69 ng	#	91
107)	Benzo[k]fluoranthene	0.00	252	0	N.D. d		
108)	Benzo[a]pyrene	19.01	252	22210	1.66 ng	#	79
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d		
111)	Benzo[g,h,i]perylene	23.48	276	20753	1.22 ng		91

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 12 10:06 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.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

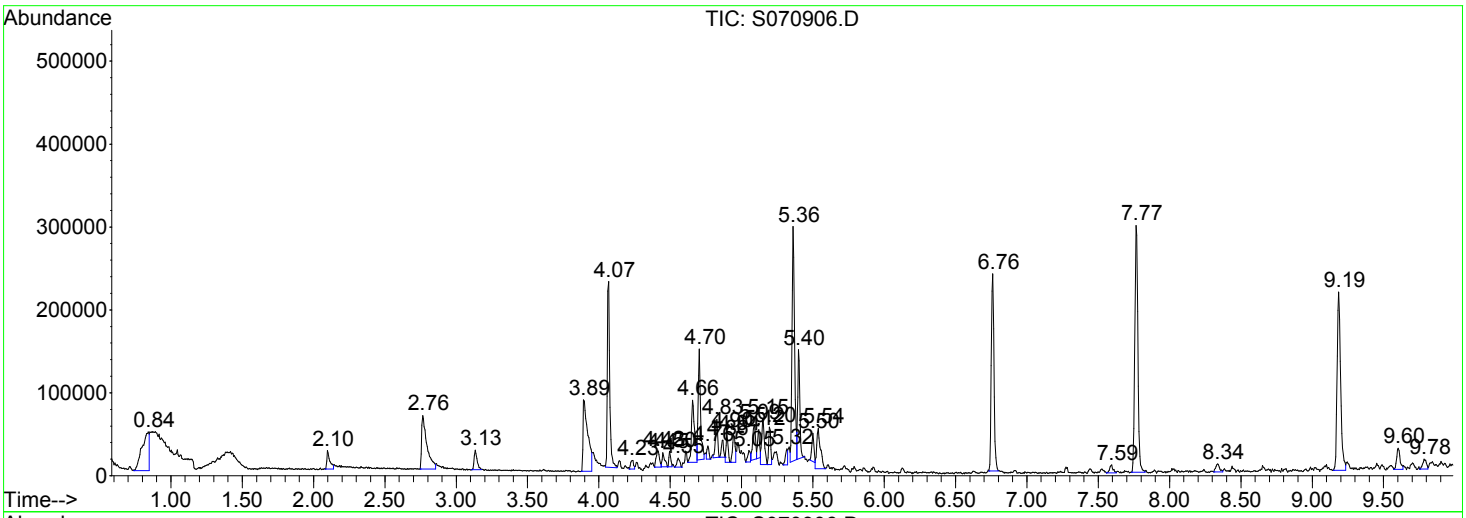
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.842	30	49	50	rBV2	46463	162209	11.93%	1.489%
2	2.097	281	284	292	rBV	22239	33641	2.47%	0.309%
3	2.765	406	409	426	rBV2	64727	167983	12.35%	1.542%
4	3.133	473	478	486	rBV	23840	33562	2.47%	0.308%
5	3.892	617	620	631	rBV	85958	203950	15.00%	1.872%
6	4.068	649	653	664	rVV	223722	264331	19.44%	2.426%
7	4.234	680	684	687	rBV6	10577	15651	1.15%	0.144%
8	4.415	713	718	722	rBV7	19200	31668	2.33%	0.291%
9	4.448	722	724	730	rVB4	17142	21436	1.58%	0.197%
10	4.496	730	733	736	rBV2	18483	16816	1.24%	0.154%
11	4.554	739	744	749	rBV4	10920	15338	1.13%	0.141%
12	4.656	757	763	769	rBV	74942	123120	9.05%	1.130%
13	4.704	769	772	778	rVV	133339	152717	11.23%	1.402%
14	4.763	781	783	786	rVB2	15849	15070	1.11%	0.138%
15	4.827	790	795	798	rVB	45761	49581	3.65%	0.455%
16	4.864	798	802	806	rVB4	20609	22527	1.66%	0.207%
17	4.896	806	808	813	rVB	36459	33842	2.49%	0.311%
18	4.944	813	817	820	rBV3	32982	43930	3.23%	0.403%
19	5.051	833	837	839	rBV3	13758	17406	1.28%	0.160%
20	5.089	840	844	847	rVV3	42598	57046	4.20%	0.524%
21	5.121	847	850	852	rVV	34543	33068	2.43%	0.304%
22	5.147	852	855	861	rVB2	54632	75462	5.55%	0.693%
23	5.195	861	864	867	rBV2	45458	47190	3.47%	0.433%
24	5.318	882	887	888	rBV3	19022	22756	1.67%	0.209%
25	5.361	891	895	900	rVV	282650	359915	26.47%	3.304%
26	5.398	900	902	909	rVB	130331	131712	9.69%	1.209%
27	5.500	917	921	924	rVV	32821	35165	2.59%	0.323%

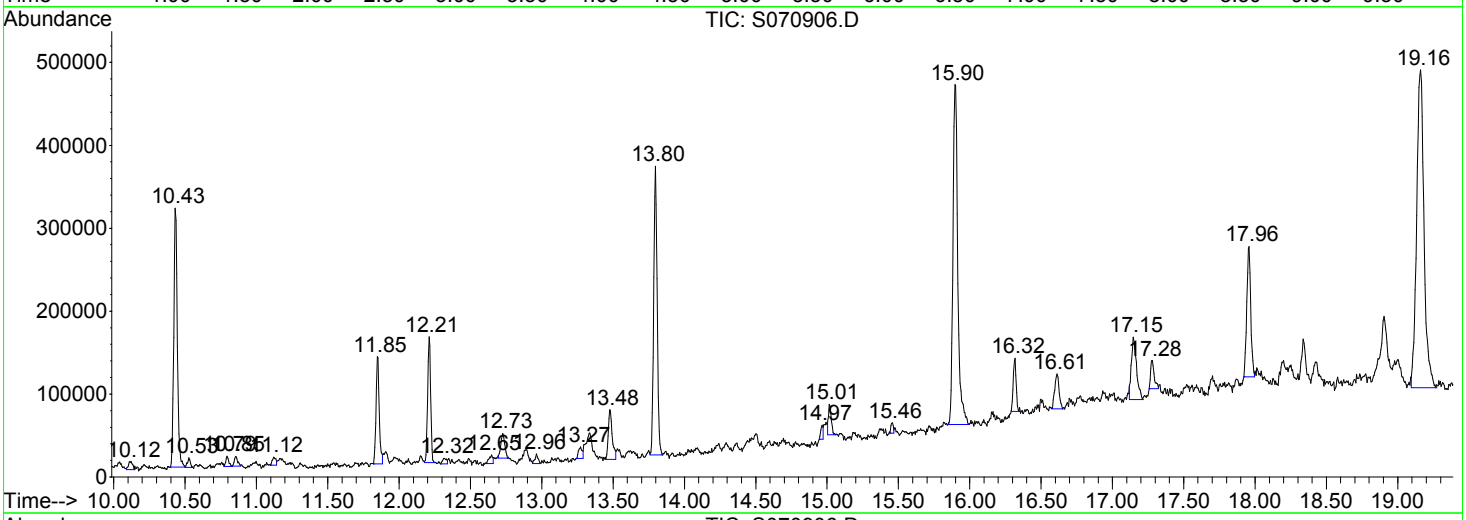
28	5.537	924	928	937	rVB4	48644	86758	6.38%	0.796%
29	6.761	1152	1157	1164	rBV	237591	305795	22.49%	2.807%
30	7.594	1306	1313	1319	rBV4	9815	15711	1.16%	0.144%
31	7.765	1339	1345	1357	rBV2	297562	449780	33.08%	4.128%
32	8.337	1447	1452	1459	rBV6	9373	17811	1.31%	0.163%
33	9.186	1604	1611	1620	rBV	214919	366663	26.96%	3.366%
34	9.603	1683	1689	1695	rBV3	25269	43074	3.17%	0.395%
35	9.784	1717	1723	1728	rBV6	11769	21206	1.56%	0.195%
36	10.121	1780	1786	1790	rVB7	9837	18810	1.38%	0.173%
37	10.431	1837	1844	1857	rBV2	312297	540993	39.78%	4.966%
38	10.527	1857	1862	1866	rVB3	11406	15374	1.13%	0.141%
39	10.794	1908	1912	1918	rBV6	12005	17095	1.26%	0.157%
40	10.853	1918	1923	1930	rBV5	11761	19951	1.47%	0.183%
41	11.120	1969	1973	1977	rBV6	9478	16612	1.22%	0.152%
42	11.847	2104	2109	2116	rBV	129378	201293	14.80%	1.848%
43	12.210	2171	2177	2184	rVB3	151808	221371	16.28%	2.032%
44	12.317	2192	2197	2201	rBV6	6803	13904	1.02%	0.128%
45	12.648	2252	2259	2261	rBV6	10479	18621	1.37%	0.171%
46	12.728	2268	2274	2280	rVB2	29991	55850	4.11%	0.513%
47	12.963	2313	2318	2323	rVB4	11616	16640	1.22%	0.153%
48	13.273	2370	2376	2379	rBV7	14098	25826	1.90%	0.237%
49	13.476	2409	2414	2422	rBV2	59638	116040	8.53%	1.065%
50	13.796	2467	2474	2483	rVB	347912	586662	43.14%	5.385%
51	14.966	2689	2693	2694	rBV3	16869	19355	1.42%	0.178%
52	15.014	2700	2702	2710	rVB2	36862	48686	3.58%	0.447%
53	15.458	2782	2785	2787	rBV4	12246	14798	1.09%	0.136%
54	15.896	2859	2867	2885	rVB2	409889	955978	70.30%	8.775%
55	16.318	2941	2946	2951	rVB	64129	91628	6.74%	0.841%
56	16.612	2995	3001	3008	rVB7	42026	87960	6.47%	0.807%
57	17.146	3096	3101	3113	rVB5	75585	186983	13.75%	1.716%
58	17.280	3122	3126	3134	rBV8	33759	59440	4.37%	0.546%
59	17.958	3246	3253	3260	rBV2	157165	304055	22.36%	2.791%
60	19.160	3466	3478	3498	rVB2	383246	1359845	100.00%	12.482%
61	21.179	3848	3856	3869	rVB2	191342	557027	40.96%	5.113%
62	23.802	4341	4347	4356	rVB2	116193	287024	21.11%	2.635%
63	24.844	4534	4542	4555	rVB4	372576	1104943	81.26%	10.142%
64	25.587	4674	4681	4692	rVB3	160611	438021	32.21%	4.021%

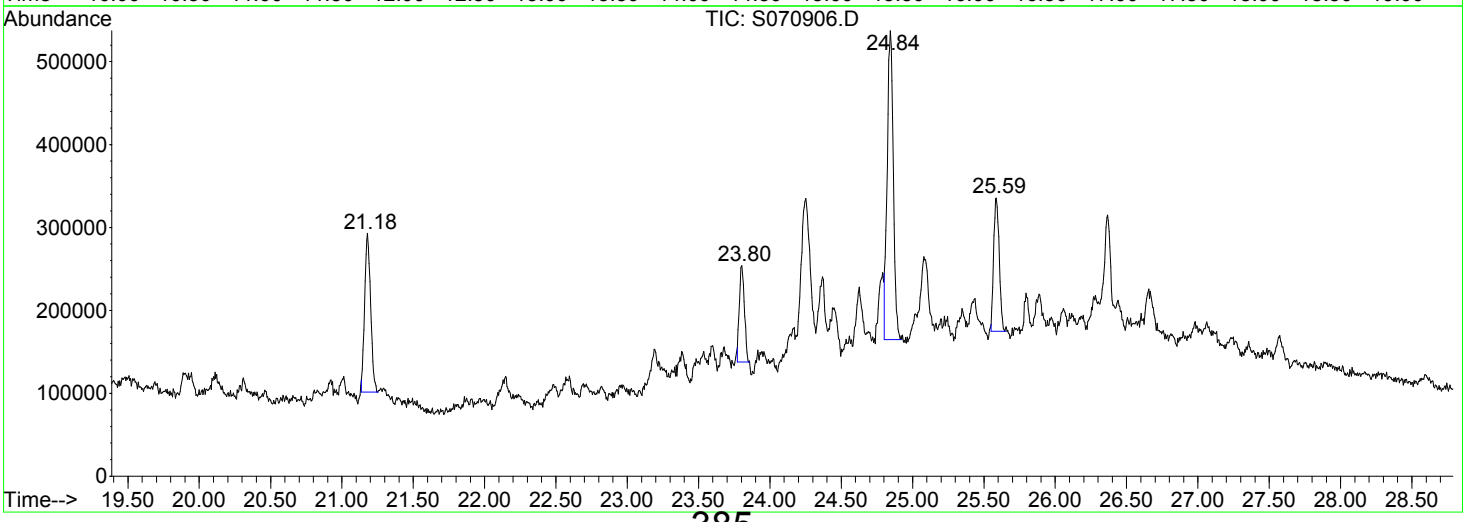
Sum of corrected areas: 10894675

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40709\S070906.D
Operator : YH
Acquired : 9 Jul 2004 12:51 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0407302-005A 47515
Misc Info : SAMP 8270_TCL4.2_S
Vial Number: 5
Quant File :B070104.RES (RTE Integrator)







Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 1 Methylene Chloride Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.84	24.55 ng	162209	1,4-Dichlorobenzene-d4	4.07

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	90
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

****

Peak Number 2 Methylene Chloride Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	5.09 ng	33641	1,4-Dichlorobenzene-d4	4.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylene Chloride	84	CH2Cl2	000075-09-2	80
2	Methylene Chloride	84	CH2Cl2	000075-09-2	80
3	Methylene Chloride	84	CH2Cl2	000075-09-2	80
4	Methylene Chloride	84	CH2Cl2	000075-09-2	80
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	9

****

Peak Number 3 Acetyl chloride, dichloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	5.08 ng	33562	1,4-Dichlorobenzene-d4	4.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetyl chloride, dichloro-	146	C2HCl3O	000079-36-7	42
2	Ethane, 1,1,2-trichloro-	132	C2H3Cl3	000079-00-5	38
3	Chloroform	118	CHCl3	000067-66-3	38
4	Ethane, 2,2-dichloro-1,1,1-trifl...	152	C2HCl2F3	000306-83-2	38
5	Ethane, 2,2-dichloro-1,1,1-trifl...	152	C2HCl2F3	000306-83-2	27

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 4 9-Methylbicyclo[3.3.1]nonane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	4.79 ng	31668	1,4-Dichlorobenzene-d4	4.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	50
2	Cyclopentanol, 1-(1-methylene-2-...	138	C9H14O	078158-11-9	47
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	47
4	3-Hexyne	82	C6H10	000928-49-4	43
5	Oxirane, 2,2'-(1,4-butanediyl)bis-	142	C8H14O2	002426-07-5	43

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Peak Number 5 Cycloheptene, 1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	5.51 ng	49581	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptene, 1,2-dimethyl-	124	C9H16	020053-89-8	38
2	4-Methyl-1-hepten-4-ol acetate	170	C10H18O2	1000114-57-1	38
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	38
4	1-Nonyne	124	C9H16	003452-09-3	35
5	2,7-Octadiene-1,6-diol, 2,6-dime...	170	C10H18O2	064142-78-5	35

****

Peak Number 6 1-Decalone (cis-trans) Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	4.88 ng	43930	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	35
2	Spiro[4.5]decan-2-one	152	C10H16O	003643-16-1	35
3	1,3,3-Trimethylcyclohex-1-ene-4-...	152	C10H16O	127128-60-3	30
4	1,2-15,16-Diepoxyhexadecane	254	C16H30O2	1000192-65-0	22
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	20

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 7 Nonane, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	6.34 ng	57046	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	53
2	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53
3	Tridecane	184	C13H28	000629-50-5	50
4	2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	47
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47

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Peak Number 8 Decane, 2,9-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	8.39 ng	75462	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53

****

Peak Number 9 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	5.24 ng	47190	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	50
2	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	47
3	Nonane	128	C9H20	000111-84-2	47
4	Nonacosane	408	C29H60	000630-03-5	43
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	40

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 10 Perfluoro-1,3-dimethylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	9.64 ng	86758	Naphthalene-d8	5.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perfluoro-1,3-dimethylcyclohexane	400	C8F16	000335-27-3	16
2	2H-Pyran-2-one, tetrahydro-	100	C5H8O2	000542-28-9	10
3	Heptafluorobutyric anhydride	410	C8F14O3	000336-59-4	10
4	N'-(3-Methyl-4-nitro-5-pyrazolyl...	262	C10H10N6O3	1000225-05-8	9
5	Oxepane	100	C6H12O	000592-90-5	9

****

Peak Number 11 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	14.88 ng	201293	Phenanthrene-d10	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	74
2	Tridecanoic acid	214	C13H26O2	000638-53-9	74
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64

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Peak Number 12 Chlorpyrifos Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	16.37 ng	221371	Phenanthrene-d10	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chlorpyrifos	349	C9H11Cl3NO3PS	002921-88-2	93
2	Chlorpyrifos	349	C9H11Cl3NO3PS	002921-88-2	74
3	4-Pyridinol, 2,3,5-trichloro-	197	C5H2Cl3NO	001970-40-7	35
4	4-Bromophenyl isocyanate	197	C7H4BrNO	002493-02-9	27
5	Thiophene, 2-hexyl-	168	C10H16S	018794-77-9	11

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 Cyclic octaatomic sulfur Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	4.13 ng	55850	Phenanthrene-d10	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	18
2	Pentafluorochlorodimethyl trisul...	250	C2ClF5S3	1000226-65-9	4
3	Benzenediazonium, 2-hydroxy-, hy...	120	C6H4N2O	029906-36-3	4
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3
5	Sulfur dioxide	64	O2S	007446-09-5	3

****

Peak Number 14 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	4.86 ng	116040	Chrysene-d12	15.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	50
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	49
4	Tridecanoic acid	214	C13H26O2	000638-53-9	49
5	Heptadecanoic acid	270	C17H34O2	000506-12-7	49

****

Peak Number 15 Benzenemethanol, 4-(diphenylamino)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	7.82 ng	186983	Chrysene-d12	15.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, 4-(diphenylamino)-	275	C19H17NO	025069-40-3	27
2	8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9NO3	000475-75-2	27
3	1H-Indole, 2-cyclohexyl-3-phenyl-	275	C20H21N	1000163-87-0	17
4	5-[4-(Dimethylamino)benzylidene]...	275	C13H13N3O2S	027430-15-5	16
5	1,1':4',1''-Terphenyl, 4-nitro-	275	C18H13NO2	010355-53-0	14

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
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Library : C:\DATABASE\NIST98.L

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Peak Number 16 Erucylamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	8.94 ng	304055	Perylene-d12	19.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Erucylamide	337	C22H43NO	000112-84-5	87
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	64
3	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	64
4	Hexadecanamide	255	C16H33NO	000629-54-9	59
5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	59

****

Peak Number 17 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	16.39 ng	557027	Perylene-d12	19.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Octacosane	394	C28H58	000630-02-4	93
3	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Hentriacontane	437	C31H64	000630-04-6	90

****

Peak Number 18 Nonacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	8.44 ng	287024	Perylene-d12	19.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	87
2	Hexatriacontane	507	C36H74	000630-06-8	83
3	Hexatriacontane	507	C36H74	000630-06-8	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Eicosane, 9-octyl-	394	C28H58	013475-77-9	83

Data File : D:\MSDCHEM\DATA\S40709\S070906.D Vial: 5
Acq On : 9 Jul 2004 12:51 pm Operator: YH
Sample : 0407302-005A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

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Library : C:\DATABASE\NIST98.L

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Peak Number 19 Lup-20(29)-en-3-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.84	32.50 ng	1104940	Perylene-d12	19.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	64
2	Germacrene B	204	C15H24	015423-57-1	53
3	Sesquirosefuran	218	C15H22O	039007-93-7	45
4	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	41
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	38

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Peak Number 20 Stigmast-4-en-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.59	12.88 ng	438021	Perylene-d12	19.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	83
2	Cholest-4-en-3-one	384	C27H44O	000601-57-0	68
3	Progesterone	314	C21H30O2	000057-83-0	60
4	Cholest-4-en-3-one	384	C27H44O	000601-57-0	58
5	Testosterone	288	C19H28O2	000058-22-0	55

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 12:51 pm
Data File: D:\MSDCHEM\DATA\S40709\S070906.D
Name: 0407302-005A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| #	RT	Resp	Conc|
Methylene Chloride	0.84	24.5	ng	162209	1	4.07	264331	40.0
Methylene Chloride	2.10	5.1	ng	33641	1	4.07	264331	40.0
Acetyl chloride, dichloro	3.13	5.1	ng	33562	1	4.07	264331	40.0
9-Methylbicyclo[3.3.1]nonane	4.42	4.8	ng	31668	1	4.07	264331	40.0
Cycloheptene, 1,2-Dimethyl	4.83	5.5	ng	49581	2	5.36	359915	40.0
1-Decalone (cis-trans)	4.94	4.9	ng	43930	2	5.36	359915	40.0
Nonane, 4-methyl-	5.09	6.3	ng	57046	2	5.36	359915	40.0
Decane, 2,9-dimethyl	5.15	8.4	ng	75462	2	5.36	359915	40.0
Pentadecane	5.20	5.2	ng	47190	2	5.36	359915	40.0
Perfluoro-1,3-dimethylcyclohexane	5.54	9.6	ng	86758	2	5.36	359915	40.0
Tridecanoic acid	11.85	14.9	ng	201293	4	10.43	540993	40.0
Chlorpyrifos	12.21	16.4	ng	221371	4	10.43	540993	40.0
Cyclic octaatomic sulfur	12.73	4.1	ng	55850	4	10.43	540993	40.0
Octadecanoic acid	13.48	4.9	ng	116040	5	15.90	955978	40.0
Benzenemethanol, 4-(diphenylamino)-	17.15	7.8	ng	186983	5	15.90	955978	40.0
Erucylamide	17.96	8.9	ng	304055	6	19.16	1359850	40.0
Octacosane	21.18	16.4	ng	557027	6	19.16	1359850	40.0
Nonacosane	23.80	8.4	ng	287024	6	19.16	1359850	40.0
Lup-20(29)-en-3-one	24.84	32.5	ng	1104940	6	19.16	1359850	40.0
Stigmast-4-en-3-one	25.59	12.9	ng	438021	6	19.16	1359850	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070907.D Vial: 6
Acq On : 9 Jul 2004 1:29 pm Operator: YH
Sample : 0407302-005AMS 47515 Inst : GC MS9
Misc : MS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:43 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	41125	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	170190	40.00	ng	-0.05
45) Acenaphthene-d10	7.77	164	111802	40.00	ng	-0.07
73) Phenanthrene-d10	10.44	188	221805	40.00	ng	-0.09
92) Chrysene-d12	15.91	240	285702	40.00	ng	-0.09
105) Perylene-d12	19.17	264	396431	40.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	2.76	112	64839	61.11	ng	-0.07
Spiked Amount 100.000	Range 21 - 110		Recovery = 61.11%			
9) Phenol-d5	3.89	99	116792	68.80	ng	-0.06
Spiked Amount 100.000	Range 10 - 110		Recovery = 68.80%			
24) Nitrobenzene-d5	4.66	82	68781	34.31	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 68.62%			
50) 2-Fluorobiphenyl	6.76	172	134591	32.92	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 65.84%			
72) 2,4,6-Tribromophenol	9.19	330	50455	75.20	ng	-0.08
Spiked Amount 100.000	Range 10 - 123		Recovery = 75.20%			
94) 4-Terphenyl-d14	13.80	244	224948	32.18	ng	-0.09
Spiked Amount 50.000	Range 33 - 141		Recovery = 64.36%			

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	3.90	94	112312	70.16	ng	95
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D.	d	
12) 2-Chlorophenol	3.92	128	97181	70.28	ng	97
13) 1,3-Dichlorobenzene	0.00	146	0	N.D.	d	
14) 1,4-Dichlorobenzene	4.08	146	107034	64.23	ng	100
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\S40709\S070907.D Vial: 6
Acq On : 9 Jul 2004 1:29 pm Operator: YH
Sample : 0407302-005AMS 47515 Inst : GC MS9
Misc : MS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:43 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	4.54	70	95374	74.89 ng	92
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	5.33	180	103499	65.43 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	6.16	107	116317	78.33 ng	94
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\S40709\S070907.D Vial: 6
Acq On : 9 Jul 2004 1:29 pm Operator: YH
Sample : 0407302-005AMS 47515 Inst : GC MS9
Misc : MS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:43 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.82	154	235104	67.40 ng		99
64)	2,4-Dinitrophenol	0.00	184	0	N.D.		
65)	Dibenzofuran	0.00	168	0	N.D.		
66)	4-Nitrophenol	8.29	65	43421	76.14 ng	#	74
67)	2,4-Dinitrotoluene	8.23	165	83861	70.29 ng		84
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. 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	10.27	266	48691	77.04 ng		99
85)	Pentachloronitrobenzene	0.00	237	0	N.D.		
86)	Pronamide	0.00	173	0	N.D.		
87)	Phenanthrene	10.48	178	4988	0.75 ng	#	59
88)	Anthracene	10.58	178	6449	0.97 ng	#	61
89)	Carbazole	0.00	167	0	N.D.		
90)	Di-n-butyl phthalate	0.00	149	0	N.D.		
91)	Fluoranthene	12.89	202	18011	2.37 ng	#	64
93)	Pyrene	13.34	202	654135	67.48 ng		100
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	15.88	228	13896	1.43 ng		77

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070907.D Vial: 6
Acq On : 9 Jul 2004 1:29 pm Operator: YH
Sample : 0407302-005AMS 47515 Inst : GC MS9
Misc : MS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:09:43 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

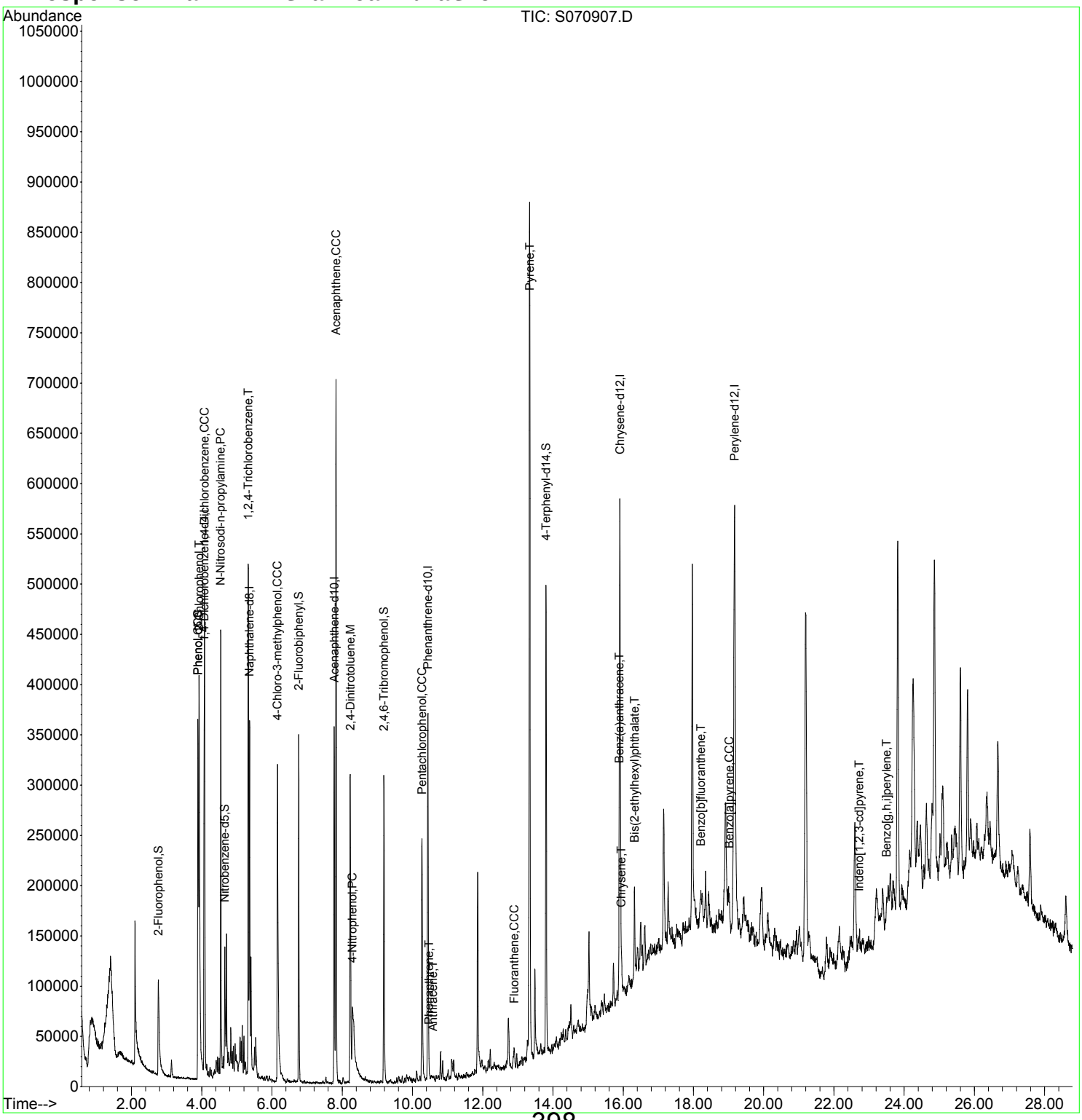
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	15.95	228	21099	2.20 ng	#	82
101)	Bis(2-ethylhexyl)phthalate	16.32	149	29871	4.69 ng	#	86
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.72	276	22511	1.97 ng	#	56
106)	Benzo[b]fluoranthene	18.20	252	63443	4.21 ng	#	76
107)	Benzo[k]fluoranthene	0.00	252	0	N.D. d		
108)	Benzo[a]pyrene	19.01	252	26892	1.92 ng	#	85
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d		
111)	Benzo[g,h,i]perylene	23.49	276	25112	1.41 ng		84

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070907.D Vial: 6
Acq On : 9 Jul 2004 1:29 pm Operator: YH
Sample : 0407302-005AMS 47515 Inst : GC MS9
Misc : MS 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 14:51 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070908.D Vial: 7
Acq On : 9 Jul 2004 2:07 pm Operator: YH
Sample : 0407302-005AMSD 47515 Inst : GC MS9
Misc : MSD 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:52:24 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	47221	40.00 ng	-0.04
23) Naphthalene-d8	5.37	136	184416	40.00 ng	-0.04
45) Acenaphthene-d10	7.78	164	124802	40.00 ng	-0.06
73) Phenanthrene-d10	10.45	188	240052	40.00 ng	-0.08
92) Chrysene-d12	15.92	240	301122	40.00 ng	-0.07
105) Perylene-d12	19.19	264	430825	40.00 ng	-0.09

System Monitoring Compounds					
5) 2-Fluorophenol	2.78	112	66557	54.63 ng	-0.06
Spiked Amount 100.000	Range 21 - 110		Recovery = 54.63%		
9) Phenol-d5	3.90	99	113096	58.03 ng	-0.05
Spiked Amount 100.000	Range 10 - 110		Recovery = 58.03%		
24) Nitrobenzene-d5	4.66	82	72196	33.24 ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 66.48%		
50) 2-Fluorobiphenyl	6.77	172	132592	29.05 ng	-0.05
Spiked Amount 50.000	Range 43 - 116		Recovery = 58.10%		
72) 2,4,6-Tribromophenol	9.20	330	48365	64.58 ng	-0.07
Spiked Amount 100.000	Range 10 - 123		Recovery = 64.58%		
94) 4-Terphenyl-d14	13.81	244	207694	28.19 ng	-0.07
Spiked Amount 50.000	Range 33 - 141		Recovery = 56.38%		

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.	
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	3.91	94	112985	61.47 ng	97
11) Bis(2-chloroethyl)ether	0.00	63	0	N.D. d	
12) 2-Chlorophenol	3.93	128	97729	61.55 ng	98
13) 1,3-Dichlorobenzene	0.00	146	0	N.D. d	
14) 1,4-Dichlorobenzene	4.09	146	114155	59.66 ng	100
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\S40709\S070908.D Vial: 7
Acq On : 9 Jul 2004 2:07 pm Operator: YH
Sample : 0407302-005AMSD 47515 Inst : GC MS9
Misc : MSD 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:52:24 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	4.55	70	92708	63.40 ng	91
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	5.33	180	103715	60.51 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. d	
41)	4-Chloro-3-methylphenol	6.17	107	116376	72.33 ng	95
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\S40709\S070908.D Vial: 7
Acq On : 9 Jul 2004 2:07 pm Operator: YH
Sample : 0407302-005AMSD 47515 Inst : GC MS9
Misc : MSD 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:52:24 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.83	154	235012	60.36 ng		99
64)	2,4-Dinitrophenol	0.00	184	0	N.D.		
65)	Dibenzofuran	0.00	168	0	N.D.		
66)	4-Nitrophenol	8.30	65	41871	65.77 ng	#	71
67)	2,4-Dinitrotoluene	8.24	165	79277	59.53 ng		86
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. 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	10.28	266	43726	66.60 ng		98
85)	Pentachloronitrobenzene	0.00	237	0	N.D.		
86)	Pronamide	0.00	173	0	N.D.		
87)	Phenanthrene	10.49	178	4238	0.59 ng	#	59
88)	Anthracene	10.59	178	6663	0.92 ng	#	61
89)	Carbazole	0.00	167	0	N.D.		
90)	Di-n-butyl phthalate	0.00	149	0	N.D. d		
91)	Fluoranthene	12.91	202	15513	1.88 ng	#	64
93)	Pyrene	13.35	202	606373	59.35 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	15.89	228	13664	1.33 ng		75

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070908.D Vial: 7
Acq On : 9 Jul 2004 2:07 pm Operator: YH
Sample : 0407302-005AMSD 47515 Inst : GC MS9
Misc : MSD 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 14:52:24 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

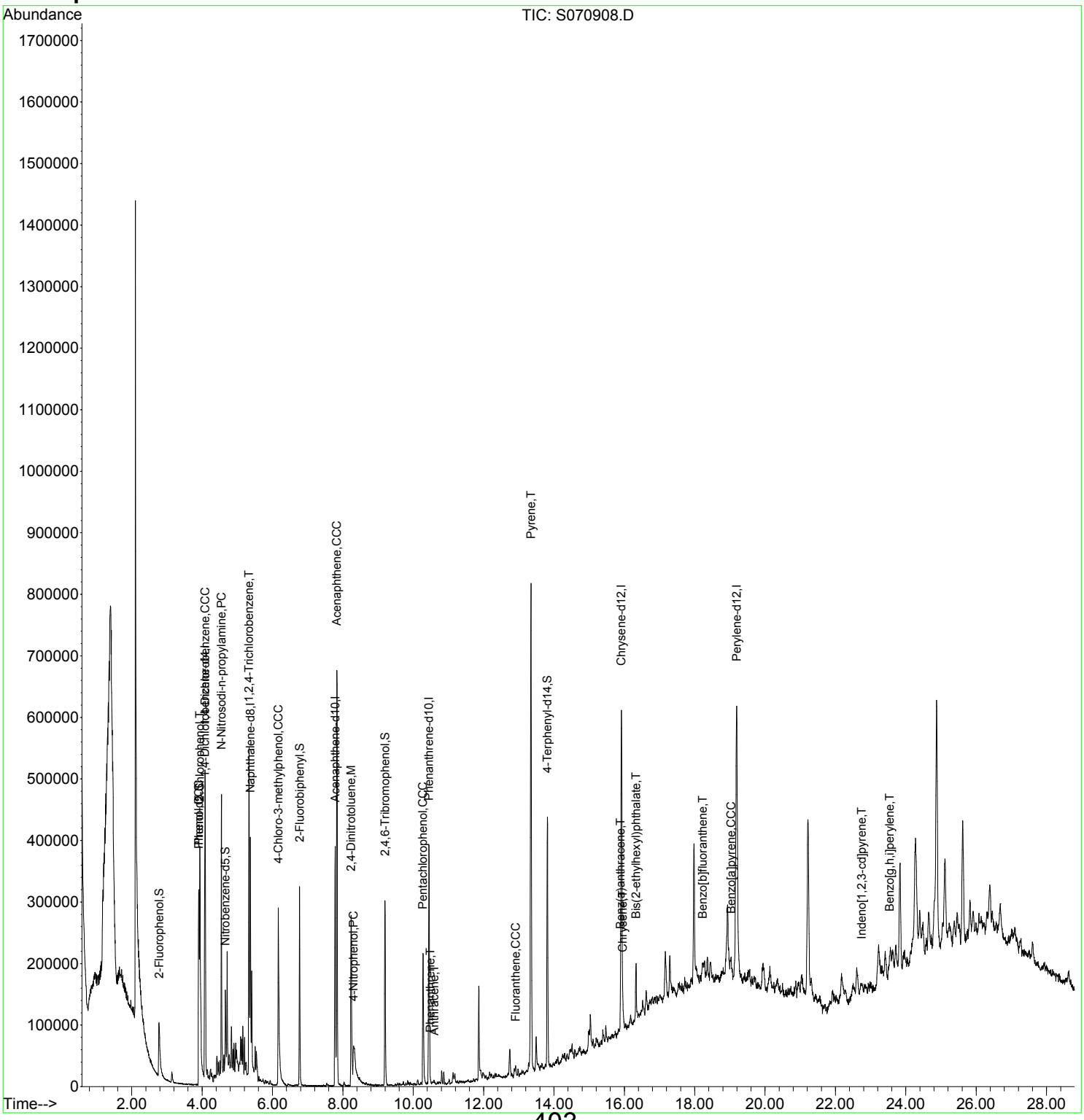
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	15.96	228	18949	1.87 ng		88
101)	Bis(2-ethylhexyl)phthalate	16.33	149	33632	5.01 ng	#	91
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.74	276	19811	1.65 ng	#	56
106)	Benzo[b]fluoranthene	18.23	252	63114	3.85 ng	#	87
107)	Benzo[k]fluoranthene	0.00	252	0	N.D. d		
108)	Benzo[a]pyrene	19.03	252	25600	1.68 ng	#	85
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	23.53	276	21491	1.11 ng	#	69

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070908.D Vial: 7
Acq On : 9 Jul 2004 2:07 pm Operator: YH
Sample : 0407302-005AMSD 47515 Inst : GC MS9
Misc : MSD 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 14:54 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:20:56 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	43300	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	179081	40.00	ng	-0.05
45) Acenaphthene-d10	7.78	164	116930	40.00	ng	-0.06
73) Phenanthrene-d10	10.45	188	239382	40.00	ng	-0.08
92) Chrysene-d12	15.92	240	344872	40.00	ng	-0.07
105) Perylene-d12	19.20	264	465071	40.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	2.76	112	71292	63.81	ng	-0.07
Spiked Amount 100.000	Range 21 - 110		Recovery = 63.81%			
9) Phenol-d5	3.91	99	105100	58.81	ng	-0.04
Spiked Amount 100.000	Range 10 - 110		Recovery = 58.81%			
24) Nitrobenzene-d5	4.66	82	72244	34.25	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 68.50%			
50) 2-Fluorobiphenyl	6.77	172	144447	33.78	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 67.56%			
72) 2,4,6-Tribromophenol	9.20	330	54783	78.07	ng	-0.07
Spiked Amount 100.000	Range 10 - 123		Recovery = 78.07%			
94) 4-Terphenyl-d14	13.81	244	253591	30.05	ng	-0.07
Spiked Amount 50.000	Range 33 - 141		Recovery = 60.10%			

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\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:20:56 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	5.39	128	8670	1.67 ng	#	69
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	6.23	142	5224	1.43 ng		96
44)	1-Methylnaphthalene	6.37	142	4147m	1.24 ng		
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\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:20:56 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.54	152	13691	2.54 ng	#	61
62)	2,6-Dinitrotoluene	0.00	165	0	N.D. d		
63)	Acenaphthene	7.83	154	11358	3.11 ng		98
64)	2,4-Dinitrophenol	0.00	184	0	N.D.		
65)	Dibenzofuran	8.11	168	7367	1.43 ng	#	31
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	8.71	166	8915	1.93 ng	#	93
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. 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	10.49	178	258185	36.10 ng		97
88)	Anthracene	10.58	178	65564	9.13 ng		95
89)	Carbazole	10.98	167	55629	8.44 ng		100
90)	Di-n-butyl phthalate	0.00	149	0	N.D. d		
91)	Fluoranthene	12.91	202	676013	82.30 ng		99
93)	Pyrene	13.35	202	562935	48.11 ng		95
95)	Benzidine	0.00	184	0	N.D.		
96)	Dimethylaminoazobenzene	0.00	225	0	N.D.		
97)	Butyl benzyl phthalate	15.00	149	17260	3.17 ng	#	90
98)	Benz(a)anthracene	15.89	228	384401	32.74 ng		84

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 15:20:56 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

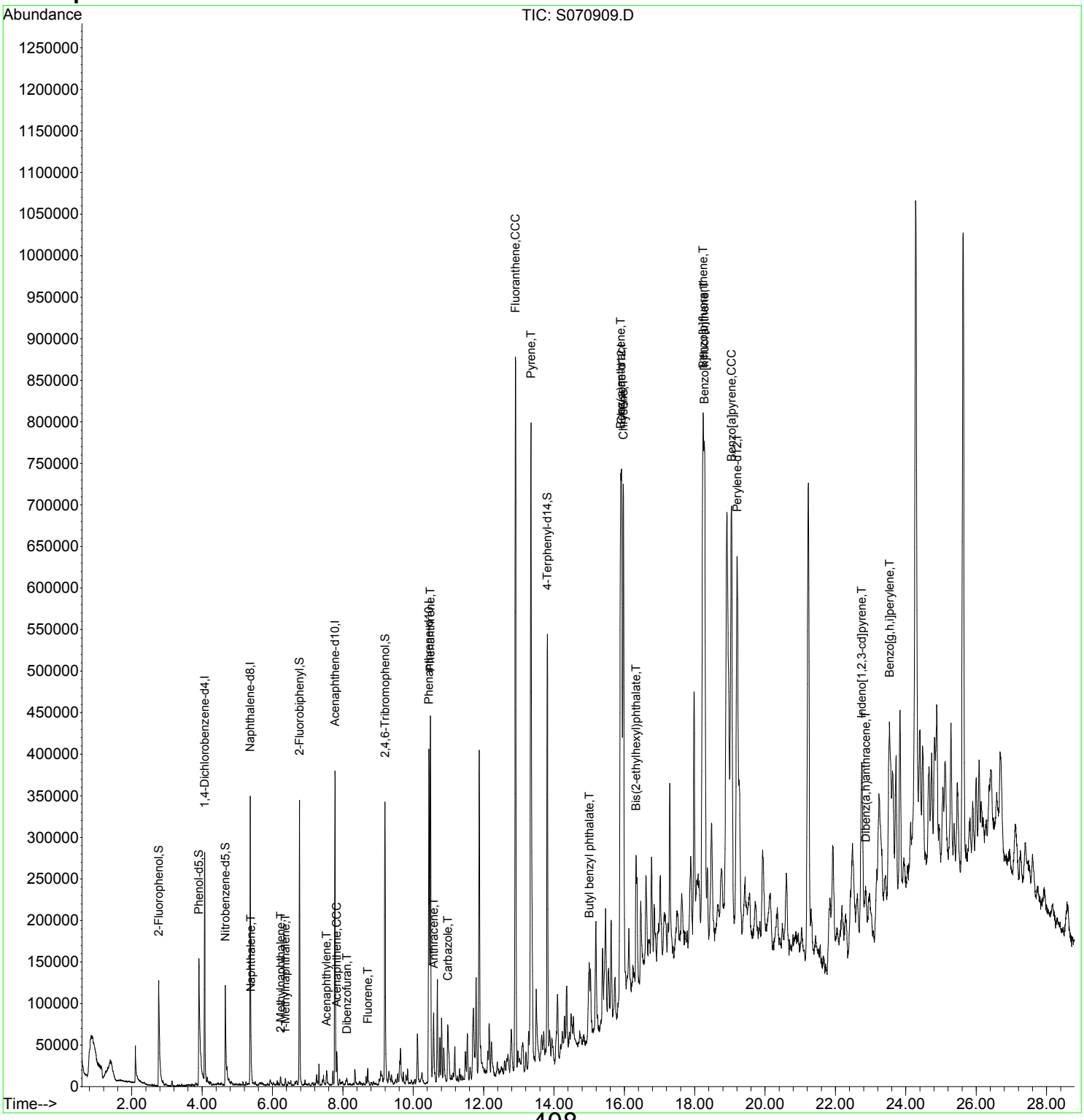
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	15.97	228	426461	36.79 ng		97
101)	Bis(2-ethylhexyl)phthalate	16.33	149	47142	6.14 ng	#	90
102)	Di-n-octyl phthalate	0.00	149	0	N.D.		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.75	276	335728	24.34 ng	#	95
106)	Benzo[b]fluoranthene	18.24	252	792778m	44.80 ng		
107)	Benzo[k]fluoranthene	18.28	252	460502m	26.77 ng		
108)	Benzo[a]pyrene	19.04	252	573281	34.86 ng		98
109)	Dibenz(a,j)acridine	0.00	279	0	N.D. d		
110)	Dibenz(a,h)anthracene	22.85	278	54993	2.97 ng		75
111)	Benzo[g,h,i]perylene	23.53	276	284723	13.65 ng		97

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 15:30 2004 Quant Results File: B070104.RES

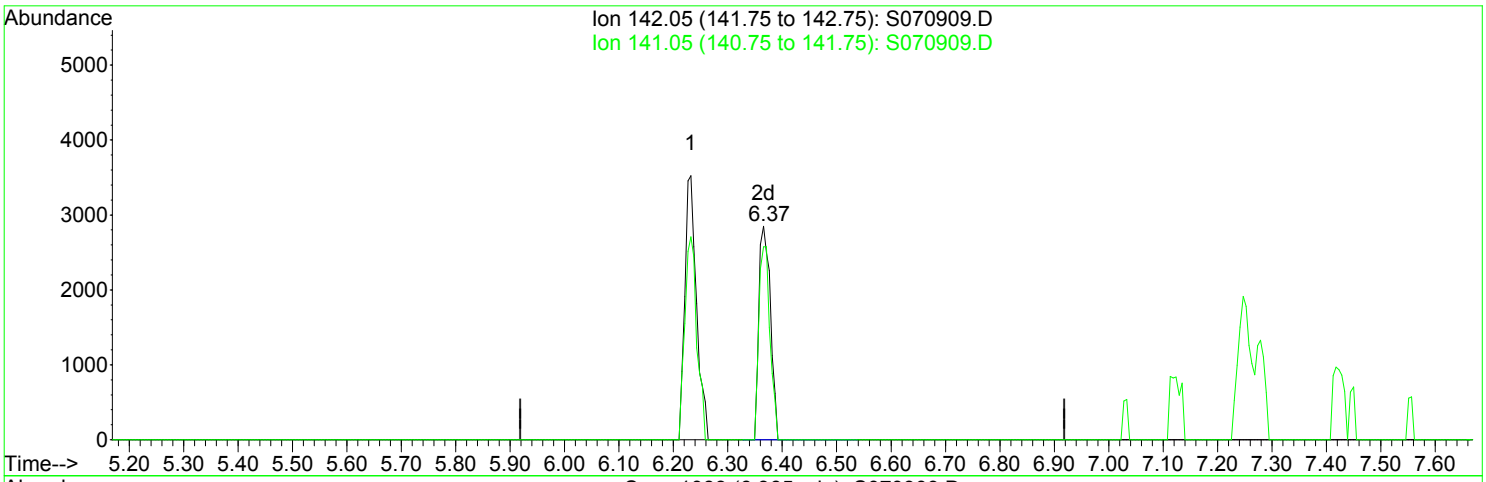
Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration

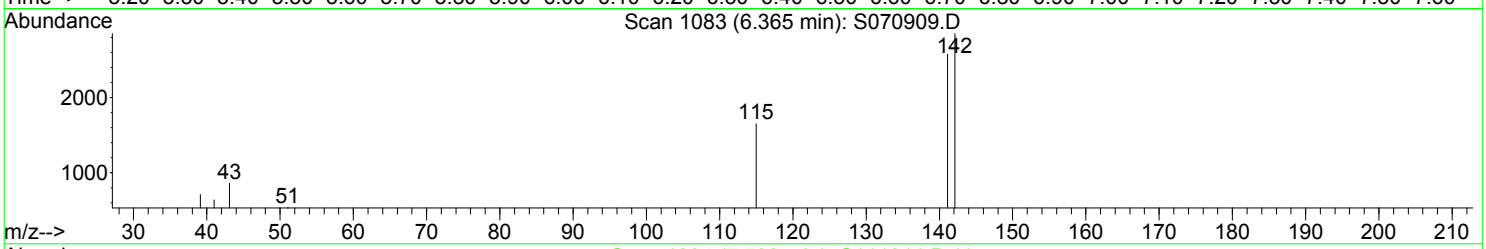


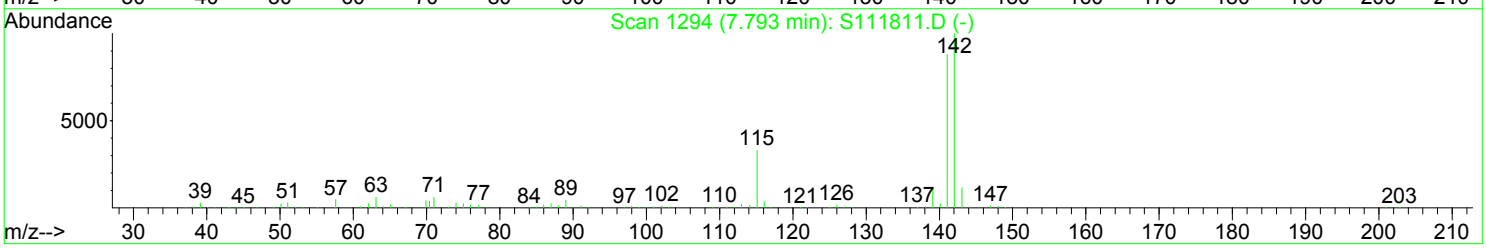
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 15:28 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070909.D

(44) 1-Methylnaphthalene (T)

6.37min 1.24ng m

response 4147

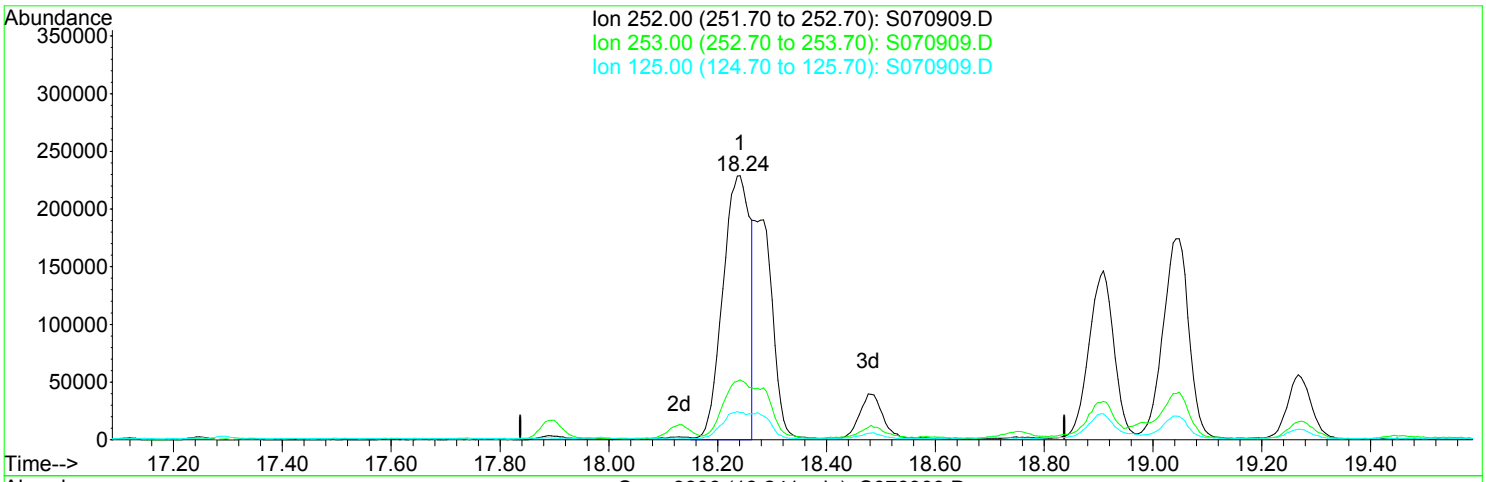
Ion	Exp%	Act%
142.05	100	100
141.05	87.60	99.90
0.00	0.00	0.00
0.00	0.00	0.00

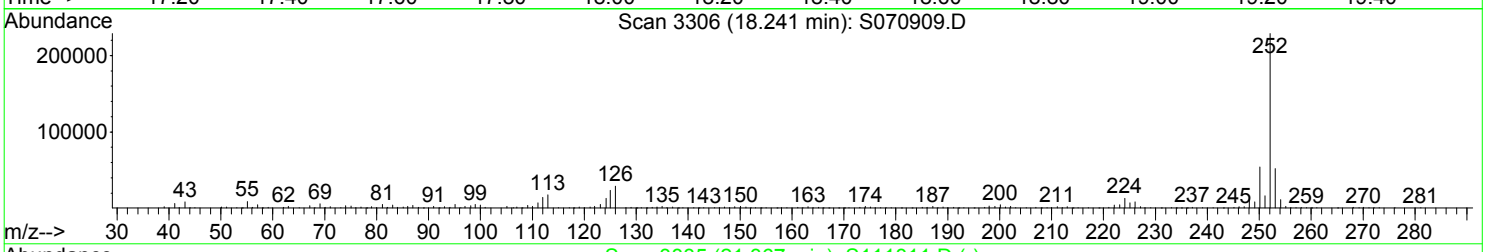
S070909.D B070104.M Fri Jul 09 15:28:11 2004

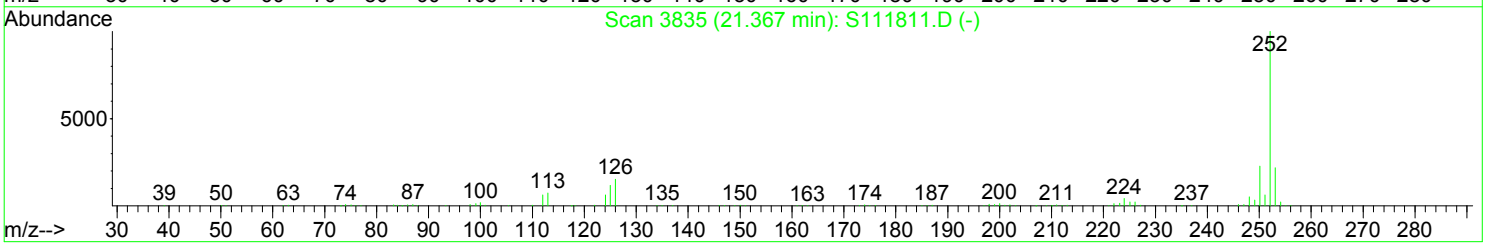
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 15:29 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070909.D

(106) Benzo[b]fluoranthene (T)

18.24min 44.80ng m

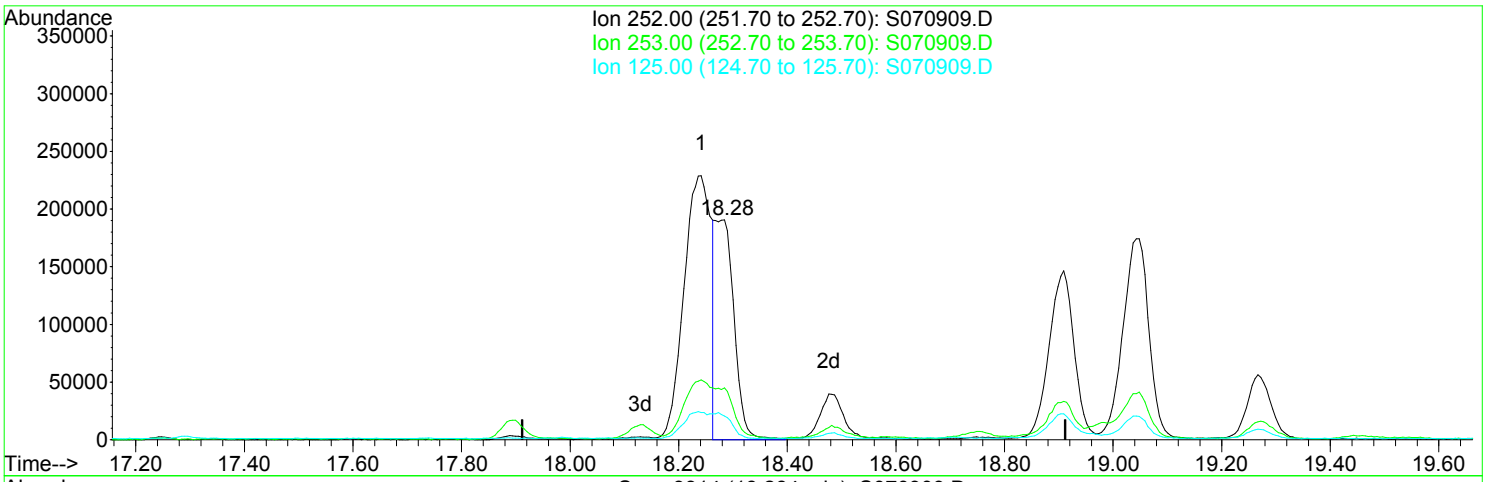
response 792778

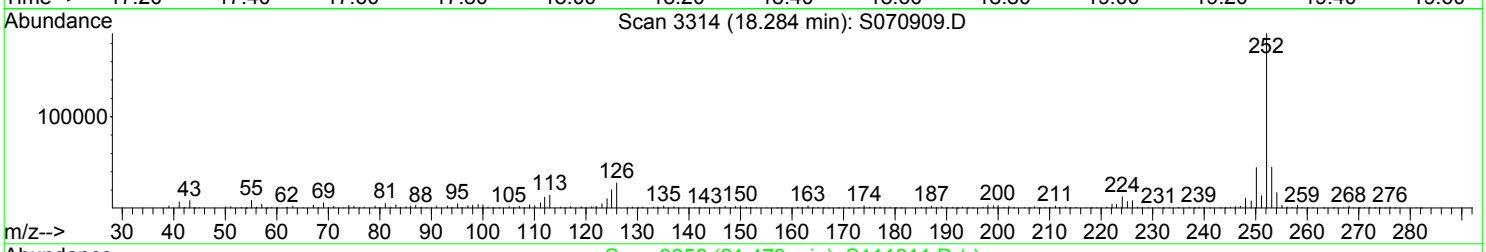
Ion	Exp%	Act%
252.00	100	100
253.00	20.80	22.32
125.00	9.90	9.58
0.00	0.00	0.00

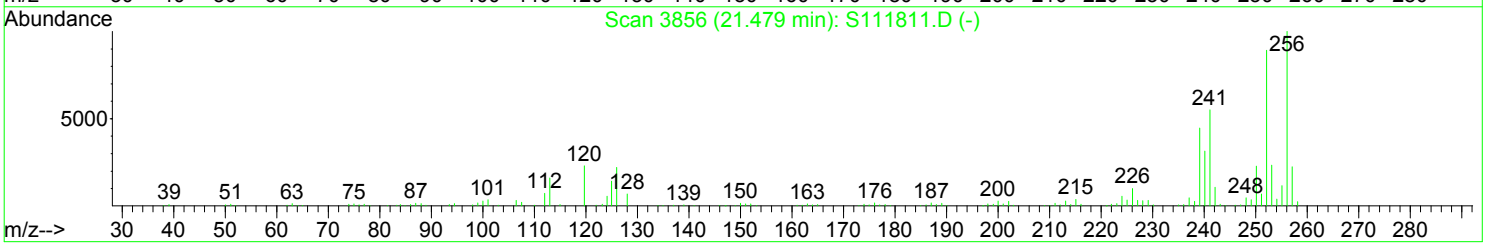
Quantitation Report (Qedit)

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 15:30 2004 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Multiple Level Calibration







TIC: S070909.D

(107) Benzo[k]fluoranthene (T)

18.28min 26.77ng m

response 460502

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	38.42
125.00	10.80	16.49
0.00	0.00	0.00

LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.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	0.826	30	46	47	rBV	44458	127973	5.25%	0.369%
2	2.102	282	285	292	rBV	43826	61925	2.54%	0.179%
3	2.765	405	409	430	rBV	127176	289936	11.89%	0.836%
4	3.908	619	623	647	rBV	152243	404122	16.57%	1.165%
5	4.074	650	654	664	rVB	276708	324271	13.30%	0.935%
6	4.661	760	764	771	rBV	119782	190528	7.81%	0.549%
7	5.366	892	896	909	rBV	346482	454472	18.64%	1.310%
8	6.766	1148	1158	1172	rVB	342573	466493	19.13%	1.345%
9	7.322	1258	1262	1266	rVB	25626	30480	1.25%	0.088%
10	7.535	1297	1302	1308	rBV2	17166	31205	1.28%	0.090%
11	7.776	1341	1347	1353	rVV	377431	558672	22.91%	1.611%
12	7.829	1353	1357	1363	rVV2	39350	60812	2.49%	0.175%
13	8.342	1449	1453	1460	rBV5	18784	31169	1.28%	0.090%
14	8.711	1516	1522	1526	rVV2	17611	24997	1.03%	0.072%
15	9.197	1607	1613	1623	rVB	335141	544048	22.31%	1.569%
16	9.309	1628	1634	1640	rBV6	14297	31025	1.27%	0.089%
17	9.614	1686	1691	1693	rVV2	26020	36166	1.48%	0.104%
18	9.640	1693	1696	1706	rVV3	41453	69194	2.84%	0.200%
19	10.121	1776	1786	1796	rBV6	60502	118486	4.86%	0.342%
20	10.244	1800	1809	1814	rVV4	11130	24792	1.02%	0.071%
21	10.447	1840	1847	1851	rBV2	401582	707156	29.00%	2.039%
22	10.490	1851	1855	1863	rVV	437139	691386	28.35%	1.993%
23	10.580	1863	1872	1878	rVV	76947	143241	5.87%	0.413%
24	10.687	1885	1892	1900	rBV	123257	201371	8.26%	0.581%
25	10.757	1900	1905	1910	rVV4	48111	70808	2.90%	0.204%
26	10.805	1910	1914	1920	rVB	71862	99404	4.08%	0.287%
27	10.864	1920	1925	1930	rBV3	35812	58116	2.38%	0.168%

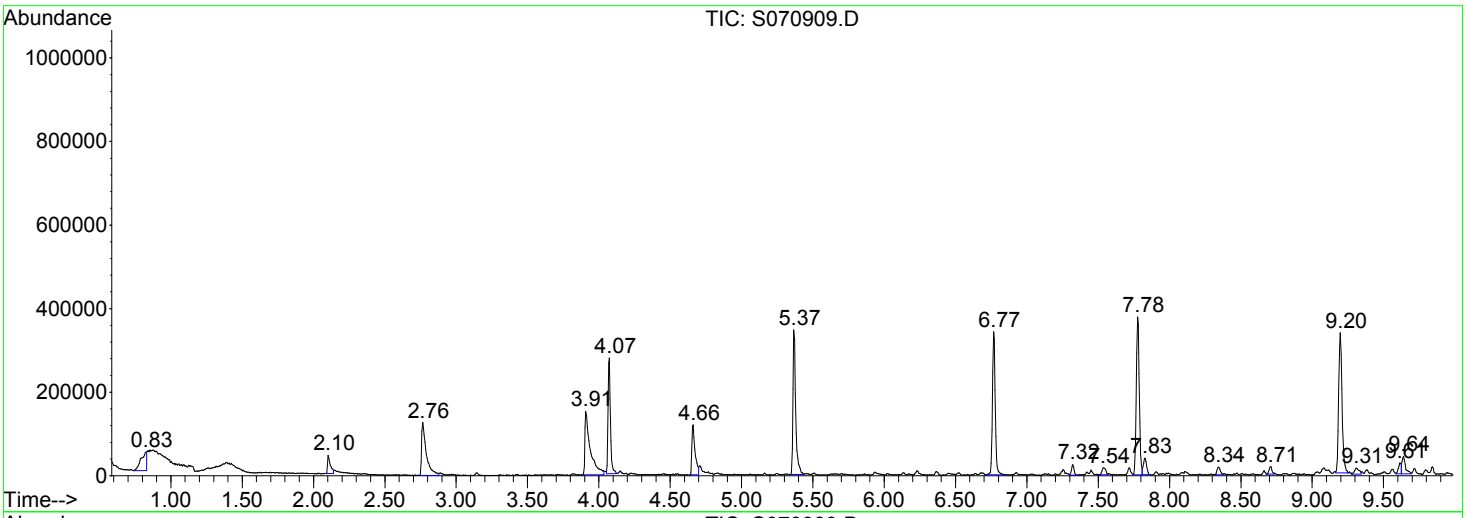
28	10.981	1942	1947	1959	rBV	67860	181620	7.45%	0.524%
29	11.184	1978	1985	1996	rVB6	41060	78971	3.24%	0.228%
30	11.478	2036	2040	2046	rBV	33388	61270	2.51%	0.177%
31	11.537	2046	2051	2060	rVB2	55696	104929	4.30%	0.303%
32	11.617	2061	2066	2074	rVB4	14577	28905	1.19%	0.083%
33	11.708	2074	2083	2089	rBV5	85518	234190	9.60%	0.675%
34	11.788	2092	2098	2106	rVB2	114766	207238	8.50%	0.598%
35	11.879	2106	2115	2121	rBV	388710	685430	28.11%	1.976%
36	12.119	2155	2160	2163	rBV2	26222	43258	1.77%	0.125%
37	12.156	2163	2167	2174	rVV5	59988	117286	4.81%	0.338%
38	12.221	2174	2179	2194	rVB7	40704	107294	4.40%	0.309%
39	12.595	2244	2249	2255	rBV8	16312	35576	1.46%	0.103%
40	12.691	2264	2267	2276	rVB7	22315	49110	2.01%	0.142%
41	12.787	2276	2285	2297	rBV5	52245	150383	6.17%	0.434%
42	12.904	2298	2307	2315	rBV	857540	1635039	67.05%	4.714%
43	12.979	2316	2321	2326	rBV4	19504	34871	1.43%	0.101%
44	13.091	2337	2342	2344	rBV5	21512	33217	1.36%	0.096%
45	13.204	2357	2363	2372	rBV4	22533	48327	1.98%	0.139%
46	13.284	2372	2378	2381	rBV6	45863	82590	3.39%	0.238%
47	13.348	2381	2390	2406	rVB	768070	1856058	76.11%	5.352%
48	13.497	2412	2418	2437	rVB5	86932	221181	9.07%	0.638%
49	13.652	2437	2447	2451	rBV3	31490	79600	3.26%	0.230%
50	13.706	2455	2457	2464	rVB2	28193	42119	1.73%	0.121%
51	13.813	2470	2477	2485	rBV2	503481	884420	36.27%	2.550%
52	13.877	2487	2489	2496	rVB3	31258	48839	2.00%	0.141%
53	13.941	2496	2501	2504	rBV	21856	36635	1.50%	0.106%
54	14.069	2518	2525	2526	rBV3	35120	55390	2.27%	0.160%
55	14.101	2526	2531	2538	rVB3	76063	162874	6.68%	0.470%
56	14.304	2564	2569	2573	rBV2	31508	52745	2.16%	0.152%
57	14.363	2575	2580	2588	rVB2	73600	146929	6.03%	0.424%
58	14.486	2599	2603	2607	rBV4	30609	52710	2.16%	0.152%
59	15.004	2690	2700	2703	rBV9	88947	235076	9.64%	0.678%
60	15.191	2728	2735	2743	rBV	125108	266117	10.91%	0.767%
61	15.378	2765	2770	2776	rBV	86489	181778	7.45%	0.524%
62	15.469	2776	2787	2796	rVV4	133347	401403	16.46%	1.157%
63	15.549	2797	2802	2808	rVV2	60203	141336	5.80%	0.408%
64	15.624	2810	2816	2824	rVB	116851	249803	10.24%	0.720%
65	15.896	2857	2867	2869	rBV2	631405	1357342	55.66%	3.914%
66	15.971	2877	2881	2896	rVB2	607574	1296414	53.16%	3.738%
67	16.126	2908	2910	2923	rVB4	76369	141508	5.80%	0.408%
68	16.334	2944	2949	2951	rBV	145020	222037	9.11%	0.640%
69	16.468	2968	2974	2982	rBV	99978	260898	10.70%	0.752%
70	16.612	2997	3001	3012	rVB3	96824	230156	9.44%	0.664%
71	16.772	3026	3031	3040	rVB	113727	251410	10.31%	0.725%
72	16.847	3041	3045	3052	rBV5	55241	112982	4.63%	0.326%
73	17.290	3123	3128	3137	rVB	184053	323885	13.28%	0.934%

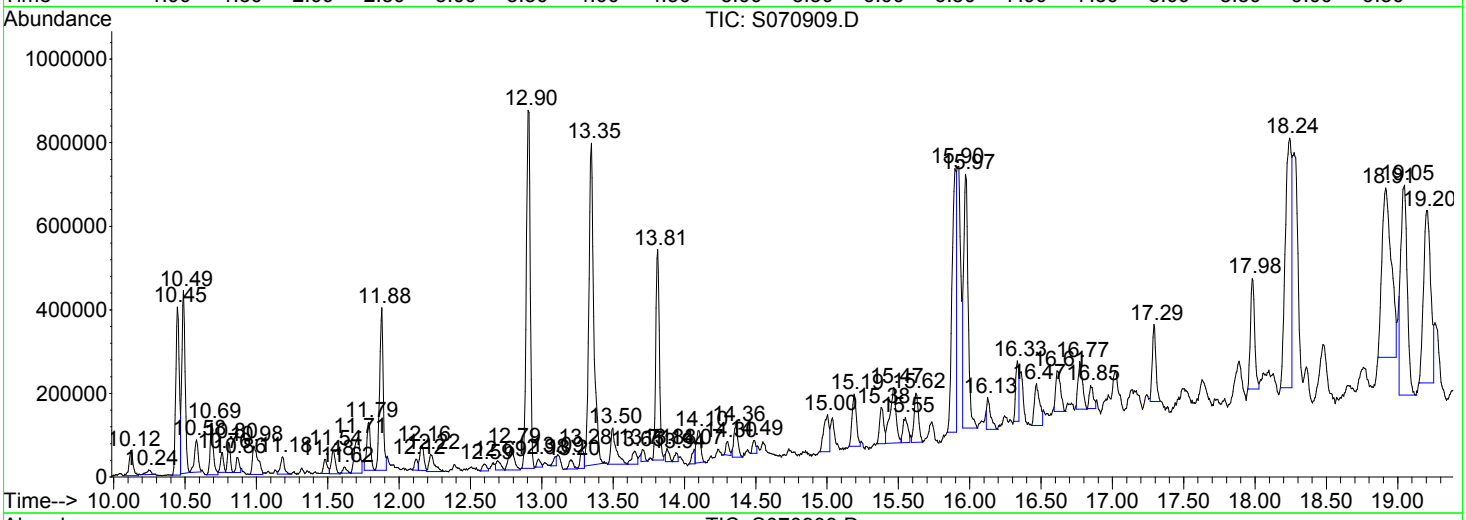
74	17.980	3251	3257	3266	rBV2	264259	540242	22.15%	1.558%
75	18.241	3294	3306	3309	rBV	597271	1847319	75.76%	5.326%
76	18.914	3422	3432	3446	rBV3	404888	1845631	75.69%	5.321%
77	19.048	3450	3457	3472	rVB	502526	1550037	63.56%	4.469%
78	19.203	3476	3486	3495	rBV3	412269	1454119	59.63%	4.193%
79	21.228	3853	3865	3877	rBV2	556101	1900108	77.92%	5.479%
80	22.745	4141	4149	4161	rVB3	173747	601393	24.66%	1.734%
81	23.535	4288	4297	4307	rBV2	169361	714251	29.29%	2.059%
82	23.835	4348	4353	4362	rVB	205646	499175	20.47%	1.439%
83	24.278	4428	4436	4450	rVB3	723097	2438522	100.00%	7.031%
84	25.630	4678	4689	4700	rBV3	748305	2208711	90.58%	6.368%

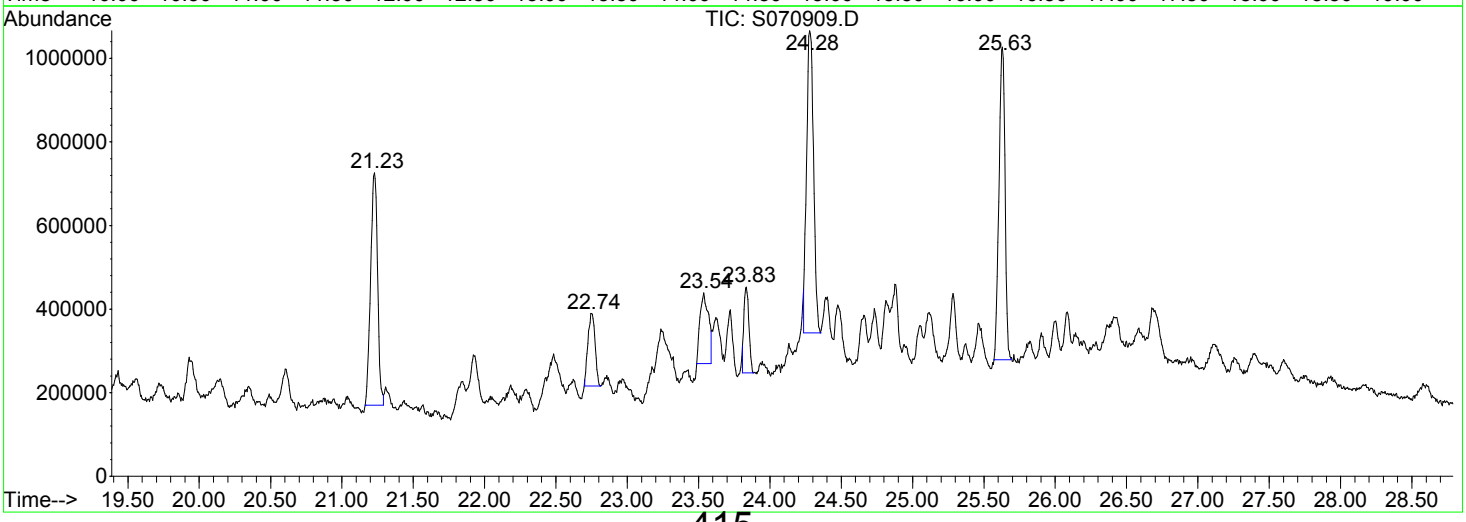
Sum of corrected areas: 34682905

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40709\S070909.D
Operator : YH
Acquired : 9 Jul 2004 2:44 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0407302-001B 47515
Misc Info : SAMP 8270_TCL4.2_S
Vial Number: 8
Quant File :B070104.RES (RTE Integrator)







Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.83	15.79 ng	127973	1,4-Dichlorobenzene-d4	4.07

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

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Peak Number 2 Methylene Chloride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	7.64 ng	61925	1,4-Dichlorobenzene-d4	4.07

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	90
3	Methylene Chloride	84	CH2Cl2	000075-09-2	90
4	Methylene Chloride	84	CH2Cl2	000075-09-2	90
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	6.70 ng	118486	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 4 Tetradecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	11.39 ng	201371	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	Tridecanoic acid	214	C13H26O2	000638-53-9	53
3	.alpha.-D-Glucopyranoside, methyl	194	C7H14O6	000097-30-3	47
4	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	27
5	4-Propionyloxytetradecane	270	C17H34O2	1000245-62-9	22

****

Peak Number 5 Phenanthrene, 3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	5.94 ng	104929	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90

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Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	13.25 ng	234190	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	58
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	53
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	53

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 7 Hexadecenoic acid, Z-11- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	11.72 ng	207238	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	87
2	14-Pentadecenoic acid	240	C15H28O2	017351-34-7	87
3	Z-7-Tetradecenoic acid	226	C14H26O2	1000130-98-4	83
4	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	81
5	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	68

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Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	38.77 ng	685430	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76

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Peak Number 9 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.63 ng	117286	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 10 Oxacyclotetradecan-2-one, 1... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.07 ng	107294	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxacyclotetradecan-2-one, 13-met...	226	C14H26O2	057092-32-7	27
2	Cyclodecane, methyl-	154	C11H22	013151-43-4	27
3	1H-1,2,4-Triazole, 3-methyl-5-(m...	129	C4H7N3S	034985-98-3	27
4	Hexahydro-1,4-dioxa-cyclopropa[a...	140	C7H8O3	1000193-92-5	27
5	1,2-Cyclooctanedione	140	C8H12O2	003008-37-5	27

****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	8.51 ng	150383	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	53
3	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	43
4	Propanedinitrile, 2,2'-(2,5-cycl...	204	C12H4N4	001518-16-7	41
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38

****

Peak Number 12 Octadecanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	6.52 ng	221181	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	86
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
3	Tridecanoic acid	214	C13H26O2	000638-53-9	52
4	Heptadecanoic acid	270	C17H34O2	000506-12-7	47
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	43

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	7.84 ng	266117	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
2	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	80
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
5	9-Xanthenone, 3-chloro-	230	C13H7ClO2	027063-50-9	53

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Peak Number 14 Benzo[ghi]fluoranthene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	11.83 ng	401403	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
4	Tetracyclo[10.2.1.0(2,11).0(4,9)...	226	C15H14O2	1000210-84-6	30
5	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	28

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Peak Number 15 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	7.36 ng	249803	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	78
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 16 Benzo(b)carbazole Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	7.69 ng	260898	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	90
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	87
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	87
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	87
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	81

****

Peak Number 17 4-Cyclopentene-1,3-dione, 2... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	6.78 ng	230156	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Cyclopentene-1,3-dione, 2,4-di...	248	C17H12O2	080213-58-7	43
2	Naphtho[1,2-b]furan-2,8(3H,4H)-d...	248	C15H20O3	018409-93-3	35
3	4-Phenyl-2-(2-hydroxyphenyl)pyri...	248	C16H12N2O	065644-26-0	35
4	4-Phenyl-6-(2-hydroxyphenyl)pyri...	248	C16H12N2O	037473-11-3	27
5	Pyrazine, tetrakis(1-methylethyl)-	248	C16H28N2	072119-29-0	25

****

Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	7.41 ng	251410	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92
2	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89
3	Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	86
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	86

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 19 Cyclopentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	9.54 ng	323885	Chrysene-d12	15.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	90
2	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	83
3	Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	83
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	1000216-79-4	76
5	1-Docosene	308	C22H44	001599-67-3	64

****

Peak Number 20 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	14.86 ng	540242	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	81
2	Dodecanamide	199	C12H25NO	001120-16-7	64
3	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	53
4	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	50
5	7-Nonenamide	155	C9H17NO	090949-53-4	50

****

Peak Number 21 Benzo[k]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	50.77 ng	1845630	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[e]pyrene	252	C20H12	000192-97-2	91

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 22 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	52.27 ng	1900110	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	93
2	Pentatriacontane	493	C35H72	000630-07-9	93
3	Octacosane	394	C28H58	000630-02-4	93
4	Hexatriacontane	507	C36H74	000630-06-8	93
5	Hexatriacontane	507	C36H74	000630-06-8	93

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Peak Number 23 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	13.73 ng	499175	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	92
2	Eicosane	282	C20H42	000112-95-8	90
3	Hexatriacontane	507	C36H74	000630-06-8	87
4	Pentatriacontane	493	C35H72	000630-07-9	87
5	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	83

****

Peak Number 24 .gamma.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.28	67.08 ng	2438520	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	98
2	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	96
3	.gamma.-Sitosterol	414	C29H50O	000083-47-6	83
4	.beta.-Sitosterol	414	C29H50O	000083-46-5	78
5	.beta.-Sitosterol	414	C29H50O	000083-46-5	70

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070909.D Vial: 8
Acq On : 9 Jul 2004 2:44 pm Operator: YH
Sample : 0407302-001B 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

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Peak Number 25 Stigmast-4-en-3-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.63	60.76 ng	2208710	Perylene-d12	19.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	99
2	Testosterone	288	C19H28O2	000058-22-0	86
3	Cholest-4-en-3-one	384	C27H44O	000601-57-0	80
4	Cholest-4-en-3-one	384	C27H44O	000601-57-0	64
5	Testosterone	288	C19H28O2	000058-22-0	64

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 2:44 pm
Data File: D:\MSDCHEM\DATA\S40709\S070909.D
Name: 0407302-001B 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	RT	Resp	Conc
Methylene Chloride	0.83	15.8	ng	127973	1	4.07	324271	40.0
Methylene Chloride	2.10	7.6	ng	61925	1	4.07	324271	40.0
9H-Fluoren-9-one	10.12	6.7	ng	118486	4	10.45	707156	40.0
Tetradecanoic acid	10.69	11.4	ng	201371	4	10.45	707156	40.0
Phenanthrene, 3-methyl-	11.54	5.9	ng	104929	4	10.45	707156	40.0
Anthracene, 2-methyl-	11.71	13.2	ng	234190	4	10.45	707156	40.0
Hexadecenoic acid, Z-11-	11.79	11.7	ng	207238	4	10.45	707156	40.0
n-Hexadecanoic acid	11.88	38.8	ng	685430	4	10.45	707156	40.0
9H-Fluoren-9-one	12.16	6.6	ng	117286	4	10.45	707156	40.0
Oxacyclotetradecan-2-one, 13-methyl	12.22	6.1	ng	107294	4	10.45	707156	40.0
Cyclopenta(def)phenanthrenone	12.79	8.5	ng	150383	4	10.45	707156	40.0
Octadecanoic acid	13.50	6.5	ng	221181	5	15.92	1357340	40.0
7H-Benz[de]anthracen-7-one	15.19	7.8	ng	266117	5	15.92	1357340	40.0
Benzo[ghi]fluoranthene	15.47	11.8	ng	401403	5	15.92	1357340	40.0
7H-Benz[de]anthracen-7-one	15.62	7.4	ng	249803	5	15.92	1357340	40.0
Benzo(b)carbazole	16.47	7.7	ng	260898	5	15.92	1357340	40.0
4-Cyclopentene-1,3-dione, 2,4-diphenyl	6.61	6.8	ng	230156	5	15.92	1357340	40.0
Triphenylene, 2-methyl-	16.77	7.4	ng	251410	5	15.92	1357340	40.0
Cyclopentadecane	17.29	9.5	ng	323885	5	15.92	1357340	40.0
9-Octadecenamide, (Z)-	17.98	14.9	ng	540242	6	19.20	1454120	40.0
Benzo[k]fluoranthene	18.91	50.8	ng	1845630	6	19.20	1454120	40.0
Octacosane	21.23	52.3	ng	1900110	6	19.20	1454120	40.0
Eicosane	23.83	13.7	ng	499175	6	19.20	1454120	40.0
.gamma.-Sitosterol	24.28	67.1	ng	2438520	6	19.20	1454120	40.0
Stigmast-4-en-3-one	25.63	60.8	ng	2208710	6	19.20	1454120	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:00:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	43164	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	174475	40.00	ng	-0.05
45) Acenaphthene-d10	7.78	164	111468	40.00	ng	-0.06
73) Phenanthrene-d10	10.45	188	222324	40.00	ng	-0.08
92) Chrysene-d12	15.93	240	410541	40.00	ng	-0.06
105) Perylene-d12	19.27	264	414502	40.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	2.76	112	69378	62.30	ng	-0.07
Spiked Amount 100.000	Range 21 - 110		Recovery = 62.30%			
9) Phenol-d5	3.91	99	106304	59.67	ng	-0.04
Spiked Amount 100.000	Range 10 - 110		Recovery = 59.67%			
24) Nitrobenzene-d5	4.66	82	72149	35.11	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 70.22%			
50) 2-Fluorobiphenyl	6.77	172	140608	34.49	ng	-0.06
Spiked Amount 50.000	Range 43 - 116		Recovery = 68.98%			
72) 2,4,6-Tribromophenol	9.20	330	51750	77.37	ng	-0.07
Spiked Amount 100.000	Range 10 - 123		Recovery = 77.37%			
94) 4-Terphenyl-d14	13.82	244	244553	24.35	ng	-0.07
Spiked Amount 50.000	Range 33 - 141		Recovery = 48.70%			

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\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:00:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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.	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	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.	
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.	
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\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:00:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.83	154	5141	1.48 ng	#	76
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	8.71	166	4646	1.05 ng	#	11
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	10.49	178	107868	16.24 ng		97
88)	Anthracene	10.58	178	26978	4.04 ng		90
89)	Carbazole	10.99	167	20244	3.31 ng	#	65
90)	Di-n-butyl phthalate	11.92	149	23306	3.00 ng	#	77
91)	Fluoranthene	12.91	202	248784	32.61 ng		98
93)	Pyrene	13.35	202	203764	14.63 ng		94
95)	Benzidine	13.19	184	85765	25.32 ng	#	83
96)	Dimethylaminoazobenzene	0.00	225	0	N.D. d		
97)	Butyl benzyl phthalate	0.00	149	0	N.D. d		
98)	Benz(a)anthracene	15.90	228	165095	11.81 ng		89

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:00:38 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

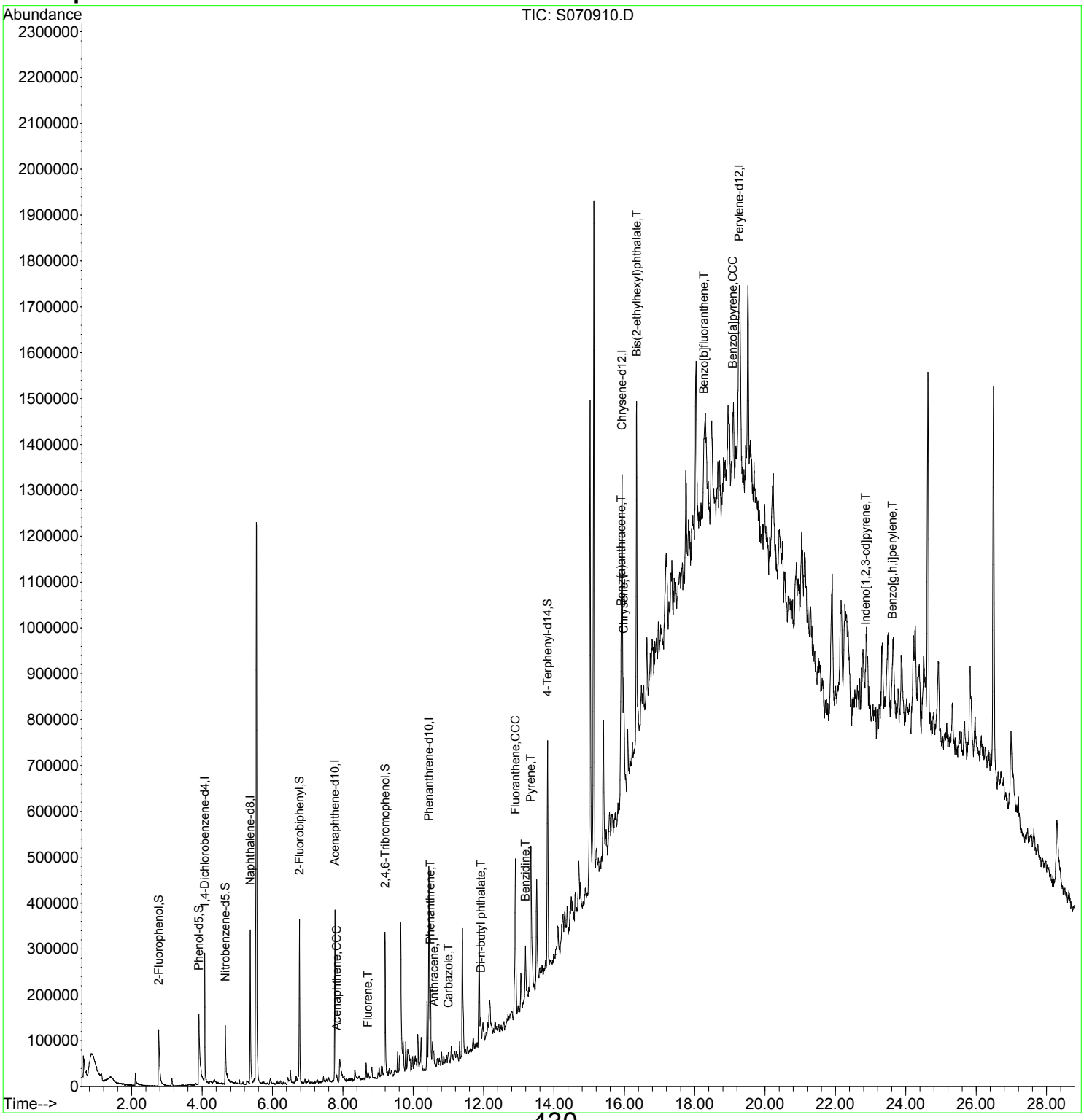
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.		
100)	Chrysene	15.98	228	180526	13.08 ng		98
101)	Bis(2-ethylhexyl)phthalate	16.35	149	253908	27.76 ng		98
102)	Di-n-octyl phthalate	0.00	149	0	N.D. d		
103)	3-Methylcholanthrene	0.00	268	0	N.D.		
104)	Indeno[1,2,3-cd]pyrene	22.85	276	82613	5.03 ng	#	73
106)	Benzo[b]fluoranthene	18.26	252	412103	26.13 ng		96
107)	Benzo[k]fluoranthene	0.00	252	0	N.D. d		
108)	Benzo[a]pyrene	19.09	252	172631	11.78 ng		89
109)	Dibenz(a,j)acridine	0.00	279	0	N.D. d		
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d		
111)	Benzo[g,h,i]perylene	23.61	276	81647	4.39 ng		98

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 16:05 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.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

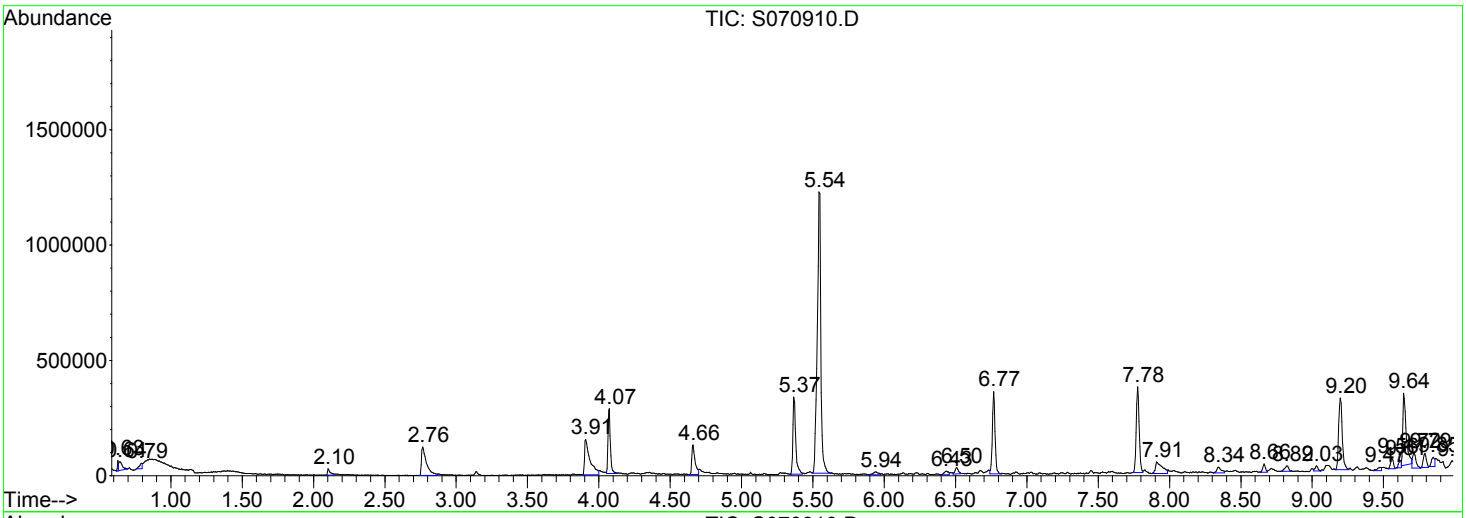
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.628	7	9	10	rBV	46040	28088	1.10%	0.124%
2	0.644	10	12	21	rVB2	35568	56562	2.22%	0.251%
3	0.793	34	40	41	rBV4	23403	32919	1.29%	0.146%
4	2.102	283	285	293	rBV	26997	36739	1.44%	0.163%
5	2.765	405	409	429	rBV	123023	302448	11.85%	1.340%
6	3.908	619	623	640	rBV	152805	400833	15.71%	1.775%
7	4.074	650	654	664	rVB	281620	326564	12.80%	1.446%
8	4.661	758	764	771	rBV	127882	208269	8.16%	0.922%
9	5.366	891	896	907	rBV	334652	452573	17.74%	2.005%
10	5.543	921	929	944	rVB	1218508	2086641	81.77%	9.242%
11	5.938	994	1003	1010	rBV4	12375	30633	1.20%	0.136%
12	6.435	1089	1096	1100	rBV4	15187	31597	1.24%	0.140%
13	6.504	1105	1109	1118	rVB4	26377	43064	1.69%	0.191%
14	6.766	1153	1158	1168	rVB	357165	462239	18.11%	2.047%
15	7.776	1340	1347	1354	rBV	371799	540490	21.18%	2.394%
16	7.909	1366	1372	1386	rBV	50318	168893	6.62%	0.748%
17	8.342	1446	1453	1461	rBV6	24891	55997	2.19%	0.248%
18	8.663	1508	1513	1517	rBV3	36581	48378	1.90%	0.214%
19	8.823	1536	1543	1548	rBV2	23813	46016	1.80%	0.204%
20	9.031	1578	1582	1587	rVB3	21465	28457	1.12%	0.126%
21	9.197	1607	1613	1624	rBV2	310460	541472	21.22%	2.398%
22	9.475	1656	1665	1667	rBV6	13808	28264	1.11%	0.125%
23	9.560	1676	1681	1685	rBV	47000	63564	2.49%	0.282%
24	9.614	1687	1691	1693	rBV2	33265	41634	1.63%	0.184%
25	9.640	1693	1696	1707	rVV	312551	524443	20.55%	2.323%
26	9.715	1707	1710	1718	rVB2	65041	102626	4.02%	0.455%
27	9.790	1719	1724	1729	rBV3	62145	93963	3.68%	0.416%

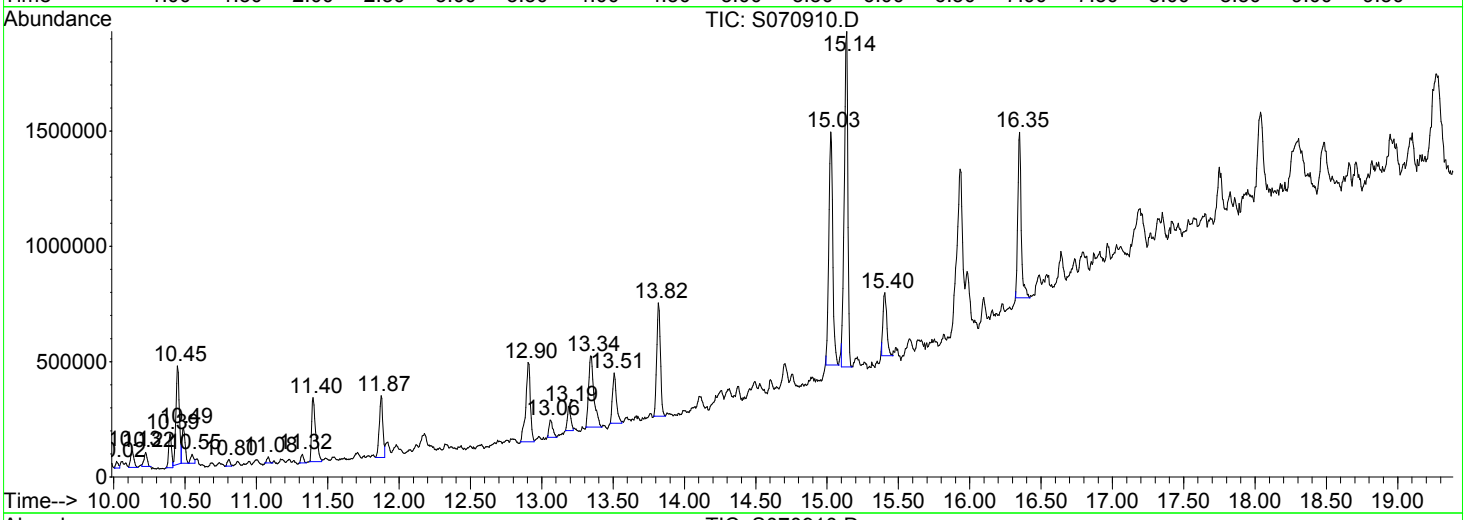
28	9.849	1730	1735	1737	rBV4	40340	62513	2.45%	0.277%
29	9.982	1751	1760	1764	rBV3	32615	59309	2.32%	0.263%
30	10.020	1764	1767	1771	rBV2	28332	37852	1.48%	0.168%
31	10.126	1783	1787	1794	rVB3	72112	116316	4.56%	0.515%
32	10.223	1800	1805	1811	rVB3	61518	92649	3.63%	0.410%
33	10.393	1832	1837	1841	rBV	145104	210810	8.26%	0.934%
34	10.447	1841	1847	1852	rVV2	428657	717916	28.13%	3.180%
35	10.490	1852	1855	1861	rVB	154939	224526	8.80%	0.994%
36	10.548	1861	1866	1870	rBV5	38852	63271	2.48%	0.280%
37	10.805	1910	1914	1918	rBV4	28829	41294	1.62%	0.183%
38	11.083	1962	1966	1971	rVB2	26955	32460	1.27%	0.144%
39	11.323	2007	2011	2016	rBV3	36927	46106	1.81%	0.204%
40	11.398	2020	2025	2036	rBV	278049	554605	21.73%	2.456%
41	11.873	2107	2114	2119	rBV2	266771	465715	18.25%	2.063%
42	12.904	2297	2307	2315	rBV	344320	761076	29.82%	3.371%
43	13.059	2333	2336	2344	rVB	74088	132019	5.17%	0.585%
44	13.187	2356	2360	2366	rBV	105330	167537	6.57%	0.742%
45	13.342	2383	2389	2403	rBV	308174	797459	31.25%	3.532%
46	13.508	2415	2420	2430	rBV4	218679	419216	16.43%	1.857%
47	13.818	2472	2478	2487	rBV	490467	877413	34.38%	3.886%
48	15.025	2698	2704	2714	rVB	1009754	1905466	74.67%	8.440%
49	15.137	2718	2725	2731	rVB	1453206	2551848	100.00%	11.303%
50	15.405	2771	2775	2785	rVB3	272863	495027	19.40%	2.193%
51	16.350	2947	2952	2965	rVB	717228	1167428	45.75%	5.171%
52	24.631	4495	4502	4510	rVB2	766239	1855682	72.72%	8.219%
53	26.490	4844	4850	4861	rVB	834487	1938826	75.98%	8.587%

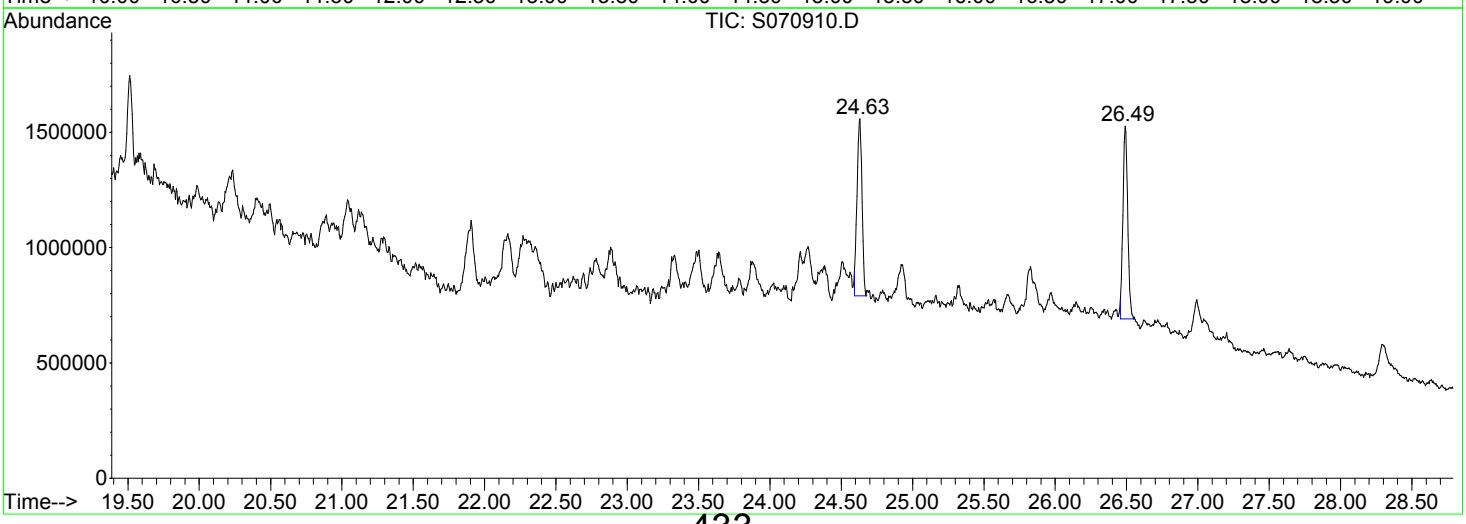
Sum of corrected areas: 22577705

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40709\S070910.D
Operator : YH
Acquired : 9 Jul 2004 3:22 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0407302-003A 47515
Misc Info : SAMP 8270_TCL4.2_S
Vial Number: 9
Quant File :B070104.RES (RTE Integrator)







Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 1-Butanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.64	6.93 ng	56562	1,4-Dichlorobenzene-d4	4.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	9
2	1-Butanol	74	C4H10O	000071-36-3	9
3	1-Butanol	74	C4H10O	000071-36-3	9
4	Cyclobutane	56	C4H8	000287-23-0	5
5	2-Propenal	56	C3H4O	000107-02-8	4

****

Peak Number 2 Methylene Chloride Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.79	4.03 ng	32919	1,4-Dichlorobenzene-d4	4.07

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	80
3	Methylene Chloride	84	CH2Cl2	000075-09-2	80
4	Methylene Chloride	84	CH2Cl2	000075-09-2	78
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	9

****

Peak Number 3 Methylene Chloride Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.10	4.50 ng	36739	1,4-Dichlorobenzene-d4	4.07

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	64
3	Methylene Chloride	84	CH2Cl2	000075-09-2	64
4	Methylene Chloride	84	CH2Cl2	000075-09-2	53
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 4 Perfluoro-1,3-dimethylcyclohexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	184.43 ng	2086640	Naphthalene-d8	5.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perfluoro-1,3-dimethylcyclohexane	400	C8F16	000335-27-3	25
2	1-Propanamine, 2-methyl-N-(2-met...	174	C8H18N2O2	030893-21-1	10
3	.alpha. Bicyclo-octan(1-6,2-3)cy...	326	C22H30O2	033495-95-3	9
4	Voaluteine, 18-de(methoxycarbonyl)-	326	C20H26N2O2	000468-11-1	9
5	Ibogamin-9(17H)-ol, 16,17-didehy...	326	C20H26N2O2	020454-39-1	9

****

Peak Number 5 N,N-Dimethyl-2-cyclohexyloxyethylamine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	12.50 ng	168893	Acenaphthene-d10	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyl-2-cyclohexyloxyethy...	171	C10H21NO	071126-60-8	56
2	1,1-Dimethylamino-1-butene	99	C6H13N	014548-12-0	56
3	Acetone, 1-[4-(dimethylaminoetho...	221	C13H19NO2	1000137-92-8	56
4	1-Propanamine, 3-chloro-N,N-dime...	121	C5H12ClN	000109-54-6	56
5	2-Butanol, 1-(dimethylamino)-	117	C6H15NO	003760-96-1	56

****

Peak Number 6 2-Butenoic acid, 2-methoxy-3-Methyl, Methylester Concentration Ran

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	4.14 ng	55997	Acenaphthene-d10	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, 2-methoxy-3-met...	144	C7H12O3	056009-32-6	27
2	Hexyl octyl ether	214	C14H30O	017071-54-4	22
3	1-Fluorononane	146	C9H19F	000463-18-3	14
4	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	12
5	Octadecane, 1-chloro-	258	C18H37Cl	003386-33-2	10

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 7 1-Dodecanamine, N,N-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	29.22 ng	524443	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
2	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	72
3	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	72
4	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	72
5	1-Nonanamine, N,N-dimethyl-	171	C11H25N	017373-27-2	56

****

Peak Number 8 Phenol, nonyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	5.72 ng	102626	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, nonyl-	220	C15H24O	025154-52-3	64
2	Phenol, (1,1,3,3-tetramethylbutyl)-	206	C14H22O	027193-28-8	64
3	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	1H-Inden-1-one, 2,4,5,6,7,7a-hex...	178	C12H18O	060713-96-4	59

****

Peak Number 9 Phenol, nonyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.24 ng	93963	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, nonyl-	220	C15H24O	025154-52-3	60
2	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	52
3	Hexestrol	270	C18H22O2	005635-50-7	50
4	4-Nonylphenol	220	C15H24O	000104-40-5	49
5	Phenol, 4,4'-(1,2-diethyl-1,2-et...	270	C18H22O2	000084-16-2	47

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 10 Phenol, 4,4'-(1,2-diethyl-1,2-ethylene) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	6.48 ng	116316	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1,2-diethyl-1,2-et...	270	C18H22O2	000084-16-2	59
2	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	58
3	2H-Imidazo[4,5-b]pyridin-2-one, ...	135	C6H5N3O	016328-62-4	53
4	1-Dodecanone, 2-(imidazol-1-yl)-...	356	C22H32N2O2	1000137-95-7	50
5	1,2-Benzisothiazole	135	C7H5NS	000272-16-2	50

****

Peak Number 11 2-Propenoic acid, 2-methyl-,dodecyl ester Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	5.16 ng	92649	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, dod...	254	C16H30O2	000142-90-5	38
2	2-Propenoic acid, 2-methyl-, dec...	226	C14H26O2	003179-47-3	35
3	2-Propenoic acid, 2-methyl-, dod...	254	C16H30O2	000142-90-5	35
4	2-Propenoic acid, 2-methyl-, dod...	254	C16H30O2	000142-90-5	35
5	5-Cyclopropylcarbonyloxypentadecane	296	C19H36O2	1000245-59-2	22

****

Peak Number 12 2-Pentene, 2-methyl-5-nitro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	11.75 ng	210810	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-5-nitro-	129	C6H11NO2	040244-93-7	50
2	Cycloundecene(Z)	152	C11H20	013151-61-6	40
3	Octanoyl chloride	162	C8H15ClO	000111-64-8	36
4	3-Hexenal, (Z)-	98	C6H10O	006789-80-6	23
5	Z-1,9-Dodecadiene	166	C12H22	1000245-71-0	17

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 13 N,N-Dimethyltetradecanamine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	30.90 ng	554605	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyltetradecanamine	241	C16H35N	1000129-24-3	78
2	1-Dodecanamine, N,N-dimethyl-	213	C14H31N	000112-18-5	64
3	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	64
4	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	56
5	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	56

****

Peak Number 14 Cetrimonium Bromide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	7.36 ng	132019	Phenanthrene-d10	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetrimonium Bromide	363	C19H42BrN	000057-09-0	64
2	N-Acetyl-O-desmethylmethoxyphena...	207	C12H17NO2	1000122-51-7	64
3	Tetradecyltrimethylammonium bromide	335	C17H38BrN	1000161-18-4	64
4	Acetamide, N-(2,6-dimethylphenyl...	206	C12H18N2O	007728-40-7	64
5	Carbinoxamine	290	C16H19ClN2O	000486-16-8	56

****

Peak Number 15 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	14.36 ng	419216	Chrysene-d12	15.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	83
3	Octadecanoic acid	284	C18H36O2	000057-11-4	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	52
5	Ethanol, 2-[2-[4-(1,1,3,3-tetram...	284	C18H30O3	002315-61-9	49

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 16 1H-1,2,4-Triazole, 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxola

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	65.29 ng	1905470	Chrysene-d12	15.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole, 1-[[2-(2,4-di...	341	C15H17Cl2N3O2	060207-90-1	91
2	1H-1,2,4-Triazole, 1-[[2-(2,4-di...	341	C15H17Cl2N3O2	060207-90-1	55
3	Methyl 3-[1-(2,6-dichlorobenzoyl...	324	C14H10Cl2N2O3	095883-05-9	49
4	3-[1-(2,6-Dichlorobenzoyl)pyrrol...	290	C14H8Cl2N2O	1000103-98-4	43
5	Benzenecarbothioic acid, 2,6-dic...	220	C8H6Cl2OS	068504-39-2	42

****

Peak Number 17 1H-1,2,4-Triazole, 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxola

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	87.43 ng	2551850	Chrysene-d12	15.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole, 1-[[2-(2,4-di...	341	C15H17Cl2N3O2	060207-90-1	91
2	1H-1,2,4-Triazole, 1-[[2-(2,4-di...	341	C15H17Cl2N3O2	060207-90-1	55
3	Methyl 3-[1-(2,6-dichlorobenzoyl...	324	C14H10Cl2N2O3	095883-05-9	49
4	3-Acetyl-1-(2,6-dichlorobenzoyl)...	309	C15H13Cl2NO2	095883-30-0	38
5	1-(2,6-Dichlorobenzoyl)-2,5-dime...	267	C13H11Cl2NO	095883-12-8	38

****

Peak Number 18 Ethanol, 2-butoxy-, phosphate (3:1) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	16.96 ng	495027	Chrysene-d12	15.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	53
2	5-Heptadecenal	252	C17H32O	1000143-91-3	30
3	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	22
4	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	16
5	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	16

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070910.D Vial: 9
Acq On : 9 Jul 2004 3:22 pm Operator: YH
Sample : 0407302-003A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 19 Propanoic acid, 3-(4'-chlorophenyl)-3-hydroxy-,t-butyl ester Conc

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.63	63.58 ng	1855680	Perylene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 3-(4'-chlorophen...	256	C13H17ClO3	1000164-87-4	9
2	Decane, 3-bromo-	220	C10H21Br	030571-71-2	9
3	Boric acid, ethyl-, didecyl ester	354	C22H47BO2	1000152-34-4	9
4	6a-Ethyl-2,5-dioxohexahydrofuro[...	170	C8H10O4	083663-22-3	9
5	7-t-Butoxybicyclo[2.2.1]heptane-...	196	C11H16O3	1000210-03-3	7

****

Peak Number 20 1-Hexen-4-ol, 4-cyclohexyl-3-Methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.49	66.43 ng	1938830	Perylene-d12	19.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexen-4-ol, 4-cyclohexyl-3-met...	196	C13H24O	1000196-17-0	27
2	1-Hexanol, 2-ethyl-2-propyl-	172	C11H24O	054461-00-6	9
3	8-t-Butyl-8-hydroxy-2,2-dimethyl...	280	C18H32O2	083040-90-8	9
4	4,4-Dipropylheptane	184	C13H28	017312-72-0	9
5	7-t-Butoxybicyclo[2.2.1]heptane-...	196	C11H16O3	1000210-03-3	9

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 3:22 pm
Data File: D:\MSDCHEM\DATA\S40709\S070910.D
Name: 0407302-003A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| |#	RT	Resp	Conc|
1-Butanol	0.64	6.9	ng	56562	1	4.07	326564	40.0
Methylene Chloride	0.79	4.0	ng	32919	1	4.07	326564	40.0
Methylene Chloride	2.10	4.5	ng	36739	1	4.07	326564	40.0
Perfluoro-1,3-dimethylcyclohexane	5.54	184.4	ng	2086640	2	5.37	452573	40.0
N,N-Dimethyl-2-cyclohexyloxyethylamine	7.91	12.5	ng	168893	3	7.78	540490	40.0
2-Butenoic acid, 2-methoxy-3-methoxy-3-Methyl-, Methylester	8.34	4.1	ng	55997	3	7.78	540490	40.0
1-Dodecanamine, N,N-dimethyl-	9.64	29.2	ng	524443	4	10.45	717916	40.0
Phenol, nonyl-	9.72	5.7	ng	102626	4	10.45	717916	40.0
Phenol, nonyl-	9.79	5.2	ng	93963	4	10.45	717916	40.0
Phenol, 4,4'-(1,2-diethyl-1,2-ethylene)	10.13	6.5	ng	116316	4	10.45	717916	40.0
2-Propenoic acid, 2-methyl-,dodecyl ester	10.22	5.2	ng	92649	4	10.45	717916	40.0
2-Pentene, 2-methyl-5-nitro-	10.39	11.7	ng	210810	4	10.45	717916	40.0
N,N-Dimethyltetradecanamine	11.40	30.9	ng	554605	4	10.45	717916	40.0
Cetrimonium Bromide	13.06	7.4	ng	132019	4	10.45	717916	40.0
Octadecanoic acid	13.51	14.4	ng	419216	5	15.93	1167430	40.0
1H-1,2,4-Triazole 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-	15.03	65.3	ng	1905470	5	15.93	1167430	40.0
1H-1,2,4-Triazole 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-	15.14	87.4	ng	2551850	5	15.93	1167430	40.0
Ethanol, 2-butoxy-, phosphate (3:1)	15.40	17.0	ng	495027	5	15.93	1167430	40.0
Propanoic acid, 3-(4'-chlorophenyl)-3-hydroxy-,t-butyl ester	24.63	63.6	ng	1855680	6	19.27	1167430	40.0
1-Hexen-4-ol, 4-cyclohexyl-3-Methyl-	26.49	66.4	ng	1938830	6	19.27	1167430	40.0

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:38:32 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.07	152	41124	40.00	ng	-0.04
23) Naphthalene-d8	5.37	136	166989	40.00	ng	-0.04
45) Acenaphthene-d10	7.78	164	107885	40.00	ng	-0.06
73) Phenanthrene-d10	10.46	188	216783	40.00	ng	-0.07
92) Chrysene-d12	15.97	240	559449	40.00	ng	-0.02
105) Perylene-d12	19.48	264	417035	40.00	ng	0.19

System Monitoring Compounds

5) 2-Fluorophenol	2.77	112	48303	45.52	ng	-0.06
Spiked Amount 100.000	Range 21 - 110		Recovery = 45.52%			
9) Phenol-d5	3.91	99	69951	41.21	ng	-0.03
Spiked Amount 100.000	Range 10 - 110		Recovery = 41.21%			
24) Nitrobenzene-d5	4.66	82	55704	28.32	ng	-0.04
Spiked Amount 50.000	Range 34 - 114		Recovery = 56.64%			
50) 2-Fluorobiphenyl	6.77	172	102109	25.88	ng	-0.05
Spiked Amount 50.000	Range 43 - 116		Recovery = 51.76%			
72) 2,4,6-Tribromophenol	9.21	330	37274	57.58	ng	-0.06
Spiked Amount 100.000	Range 10 - 123		Recovery = 57.58%			
94) 4-Terphenyl-d14	13.83	244	195494	14.28	ng	-0.05
Spiked Amount 50.000	Range 33 - 141		Recovery = 28.56%#			

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\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:38:32 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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. d		
25)	Acetophenone	4.53	105	5663	2.52 ng	#	71
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. d		
35)	Benzoic acid	5.33	122	6106	42.56 ng	#	54
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. 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. 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\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:38:32 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 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	7.83	154	5443	1.62 ng	#	75
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	8.71	166	5130	1.20 ng	#	89
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. 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	10.50	178	121874	18.82 ng		96
88)	Anthracene	10.59	178	27195	4.18 ng		86
89)	Carbazole	11.00	167	22868	3.83 ng	#	80
90)	Di-n-butyl phthalate	0.00	149	0	N.D. d		
91)	Fluoranthene	12.92	202	299445	40.25 ng		99
93)	Pyrene	13.36	202	275725	14.53 ng		93
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. d		
98)	Benz(a)anthracene	15.94	228	265977	13.96 ng		86

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 09 16:38:32 2004 Quant Results File: B070104.RES

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration
DataAcq Meth : &RTX5

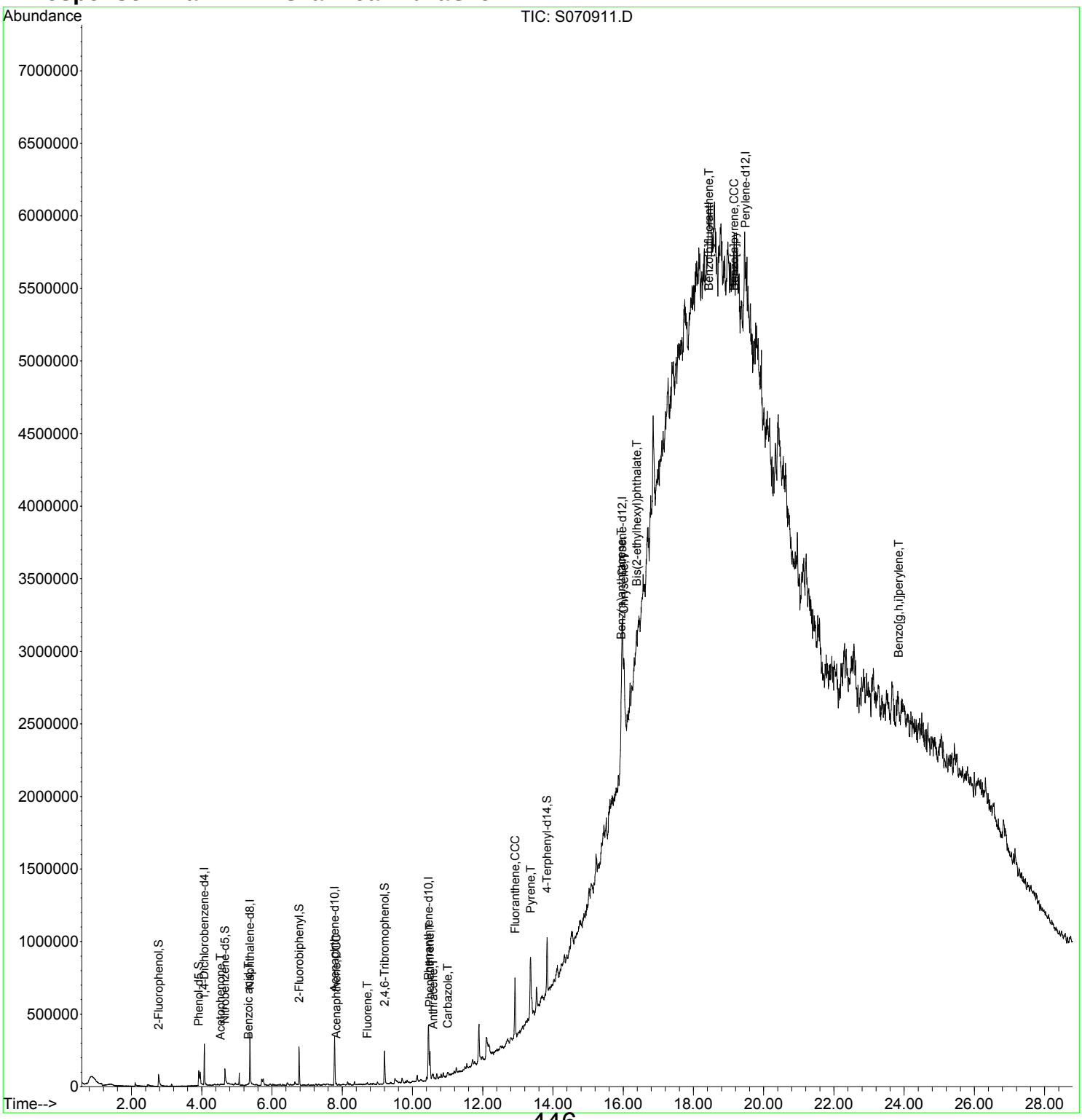
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
99)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
100)	Chrysene	16.02	228	438445	23.32 ng	93
101)	Bis(2-ethylhexyl)phthalate	16.39	149	69801	5.60 ng	90
102)	Di-n-octyl phthalate	0.00	149	0	N.D. d	
103)	3-Methylcholanthrene	0.00	268	0	N.D.	
104)	Indeno[1,2,3-cd]pyrene	0.00	276	0	N.D. d	
106)	Benzo[b]fluoranthene	18.44	252	602856	38.00 ng	96
107)	Benzo[k]fluoranthene	0.00	252	0	N.D. d	
108)	Benzo[a]pyrene	19.17	252	444548	30.15 ng	92
109)	Dibenz(a,j)acridine	0.00	279	0	N.D.	
110)	Dibenz(a,h)anthracene	0.00	278	0	N.D. d	
111)	Benzo[g,h,i]perylene	23.85	276	118922	6.36 ng	85

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

Quantitation Report (QT Reviewed)

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 9 16:44 2004 Quant Results File: B070104.RES

Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Last Update : Tue Jul 06 12:46:52 2004
Response via : Initial Calibration



LSC Area Percent Report

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\B070104.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

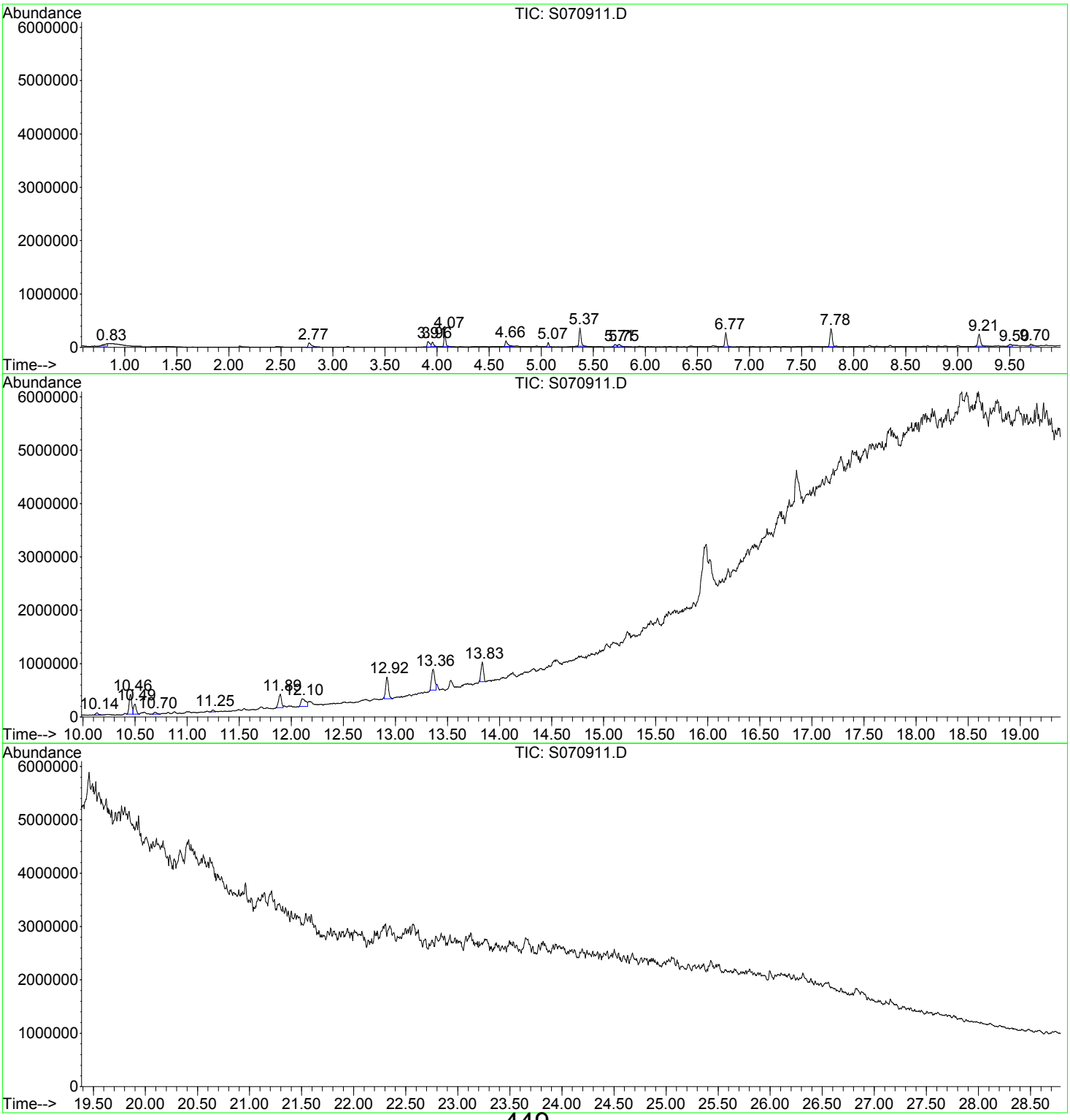
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	0.831	34	47	48	rBV3	39491	111631	13.64%	1.508%
2	2.770	406	410	425	rBV	83073	190056	23.21%	2.567%
3	3.913	620	624	629	rBV	102210	179573	21.93%	2.426%
4	3.956	629	632	640	rVB	85384	113661	13.88%	1.535%
5	4.074	650	654	665	rBV	282150	314694	38.44%	4.251%
6	4.661	760	764	777	rBV	106853	184526	22.54%	2.493%
7	5.067	836	840	844	rVB	81995	73627	8.99%	0.995%
8	5.372	892	897	906	rVB	344353	425540	51.98%	5.748%
9	5.708	954	960	964	rBV3	42809	74453	9.09%	1.006%
10	5.751	964	968	976	rVB	41838	83483	10.20%	1.128%
11	6.771	1154	1159	1168	rVB	266244	346614	42.34%	4.682%
12	7.781	1343	1348	1355	rBV	338904	514825	62.88%	6.955%
13	9.207	1608	1615	1625	rBV	224709	375408	45.86%	5.071%
14	9.501	1665	1670	1675	rBV3	35427	76458	9.34%	1.033%
15	9.699	1703	1707	1718	rVB6	33985	71639	8.75%	0.968%
16	10.137	1783	1789	1798	rVB6	42875	77927	9.52%	1.053%
17	10.458	1842	1849	1853	rBV2	374108	653231	79.79%	8.824%
18	10.495	1853	1856	1864	rVB	188960	311405	38.04%	4.207%
19	10.698	1888	1894	1901	rBV9	35983	70861	8.66%	0.957%
20	11.248	1993	1997	2002	rBV8	34801	59560	7.28%	0.805%
21	11.895	2111	2118	2123	rBV	255058	489899	59.84%	6.618%
22	12.103	2152	2157	2167	rBV2	141358	463855	56.66%	6.266%
23	12.920	2305	2310	2319	rVB	407680	743385	90.80%	10.042%
24	13.364	2387	2393	2398	rBV	389038	818681	100.00%	11.059%
25	13.834	2477	2481	2487	rVB2	365477	577751	70.57%	7.805%

Sum of corrected areas: 7402743

LSC Report - Integrated Chromatogram

File : D:\MSDCHEM\DATA\S40709\S070911.D
Operator : YH
Acquired : 9 Jul 2004 4:00 pm using AcqMethod &RTX5
Instrument : GC MS9
Sample Name: 0407302-007A 47515
Misc Info : SAMP 8270_TCL4.2_S
Vial Number: 10
Quant File :B070104.RES (RTE Integrator)



Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Methylene Chloride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.83	14.19 ng	111631	1,4-Dichlorobenzene-d4	4.07

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	90
3	Methylene Chloride	84	CH2Cl2	000075-09-2	86
4	Methylene Chloride	84	CH2Cl2	000075-09-2	25
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	4

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Peak Number 2 Cyclopentasiloxane, decamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	6.92 ng	73627	Naphthalene-d8	5.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	78
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	74
3	Benzeneacetic acid, .alpha.,4-bi...	326	C15H26O4Si2	055334-40-2	47
4	Benzenemethanol, .alpha.-(aminom...	369	C17H35NO2Si3	056145-08-5	42
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	40

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Peak Number 3 Adenine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	7.00 ng	74453	Naphthalene-d8	5.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adenine	135	C5H5N5	000073-24-5	38
2	4-Aminopyrazolo(3,4-d)pyrimidine	135	C5H5N5	020289-44-5	35
3	Adenine	135	C5H5N5	000073-24-5	35
4	Adenine	135	C5H5N5	000073-24-5	35
5	Adenine	135	C5H5N5	000073-24-5	25

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
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Peak Number 4 Benzothiazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	7.85 ng	83483	Naphthalene-d8	5.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole	135	C7H5NS	000095-16-9	49
2	Benzothiazole	135	C7H5NS	000095-16-9	47
3	Benzothiazole	135	C7H5NS	000095-16-9	47
4	1,2-Benzisothiazole	135	C7H5NS	000272-16-2	47
5	Thieno[2,3-c]pyridine	135	C7H5NS	000272-12-8	47

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Peak Number 5 Pyridine, 1,2,5,6-tetrahydrro-1,2-dimethyl Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	4.68 ng	76458	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 1,2,5,6-tetrahydro-1,2...	111	C7H13N	015031-95-5	22
2	Quinuclidine	111	C7H13N	000100-76-5	14
3	Bicyclo[3.3.1]non-3-en-2-ol, exo-	138	C9H14O	010060-21-6	12
4	4-Pyridinol, 2,6-dimethyl-	123	C7H9NO	013603-44-6	11
5	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	10

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Peak Number 6 Oxirane, [(hexadecyloxy)methyl]- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	4.39 ng	71639	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(hexadecyloxy)methyl]-	298	C19H38O2	015965-99-8	38
2	2-Undecanone, 6,10-dimethyl-	198	C13H26O	001604-34-8	22
3	3-Furanmethanol, .alpha.-cyclohe...	180	C11H16O2	036646-66-9	22
4	2,2,3,3-Tetramethylcyclopropanoi...	240	C15H28O2	1000221-98-0	14
5	Silacyclopent-3-ene, 3-methyl-	98	C5H10Si	054077-65-5	10

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
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Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
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****

Peak Number 7 3-Phenpropanol, 2'-hydroxy-3',4'-dimethyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	4.77 ng	77927	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenpropanol, 2'-hydroxy-3',4'...	180	C11H16O2	1000128-76-6	14
2	1,3,4-Thiadiazol-2-amine, 5-ethyl-	129	C4H7N3S	014068-53-2	12
3	3-Ethyl-4-hydroxybicyclo[3.3.1]n...	180	C11H16O2	108162-57-8	10
4	2-Piperidinone, 1-(3,4,5,6-tetra...	180	C10H16N2O	092637-46-2	10
5	2,3-Diazaphenanthrene	180	C12H8N2	1000147-17-5	9

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Peak Number 8 2-Propenoic acid, 2-(acetylamino)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	4.34 ng	70861	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-(acetylamino)-	129	C5H7NO3	005429-56-1	9
2	2-Propenoic acid, 2-(acetylamino)-	129	C5H7NO3	005429-56-1	9
3	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	1000248-99-5	9
4	2-Acetyl-2-thiazoline	129	C5H7NOS	1000121-56-5	9
5	3,5,6-Tri-O-acetyl-2,4-di-O-meth...	331	C14H21NO8	059061-08-4	9

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Peak Number 9 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	30.00 ng	489899	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	78

Library Search Compound Report

Data File : D:\MSDCHEM\DATA\S40709\S070911.D Vial: 10
Acq On : 9 Jul 2004 4:00 pm Operator: YH
Sample : 0407302-007A 47515 Inst : GC MS9
Misc : SAMP 8270_TCL4.2_S Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title : MS-9 BNA CURVE
Library : C:\DATABASE\NIST98.L

****
Peak Number 10 2-Mercaptobenzothiazole Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	28.40 ng	463855	Phenanthrene-d10	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	94
2	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	94
3	2-Benzothiazolesulfenamide, N-cy...	264	C13H16N2S2	000095-33-0	91
4	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	58
5	2',4'-Dihydroxyacetophenone oxime	167	C8H9NO3	1000212-89-5	50

Tentatively Identified Compound (LSC) summary

Operator ID: YH Date Acquired: 9 Jul 2004 4:00 pm
Data File: D:\MSDCHEM\DATA\S40709\S070911.D
Name: 0407302-007A 47515
Misc: SAMP 8270_TCL4.2_S
Method: C:\MSDCHEM\1\METHODS\B070104.M (RTE Integrator)
Title: MS-9 BNA CURVE
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	|--Internal Standard-| #	RT	Resp	Conc|
Methylene Chloride	0.83	14.2	ng	111631	1	4.07	314694	40.0
Cyclopentasiloxane, decamethyl-	5.07	6.9	ng	73627	2	5.37	425540	40.0
Adenine	5.71	7.0	ng	74453	2	5.37	425540	40.0
Benzothiazole	5.75	7.8	ng	83483	2	5.37	425540	40.0
Pyridine, 1,2,5,6-tetrahydrro-1,2-dimethyl	9.50	4.7	ng	76458	4	10.46	653231	40.0
Oxirane, [(hexadecyloxy)methyl]-	9.70	4.4	ng	71639	4	10.46	653231	40.0
3-Phenpropanol, 2'-hydroxy-3',4'-dimethyl	10.14	4.8	ng	77927	4	10.46	653231	40.0
2-Propenoic acid, 2-(acetylamino)-	10.70	4.3	ng	70861	4	10.46	653231	40.0
n-Hexadecanoic acid	11.89	30.0	ng	489899	4	10.46	653231	40.0
2-Mercaptobenzothiazole	12.10	28.4	ng	463855	4	10.46	653231	40.0

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/9/2004 2:00:00 P**
Prep End Date: **7/9/2004 4:16:19 P**

Prep Factor Units: **mL / g**

Prep Batch **47520** Prep Code: **3050B_S** Technician: **Ita Kagan**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407302-001D	Soil		1.0342	0	0	50	48.347	7/9/2004	7/9/2004
0407302-003C	Soil		1.2144	0	0	50	41.173	7/9/2004	7/9/2004
0407302-003CDL	Soil		1.2144	0	0	50	41.173	7/9/2004	7/9/2004
0407302-003CDUP	Soil		1.2226	0	0	50	40.896	7/9/2004	7/9/2004
0407302-003CMS	Soil		1.2039	0	0	50	41.532	7/9/2004	7/9/2004
0407302-003CPDS	Soil		1.2144	0	0	50	41.173	7/9/2004	7/9/2004
0407302-005C	Soil		1.1432	0	0	50	43.737	7/9/2004	7/9/2004
0407302-007C	Soil		1.0688	0	0	50	46.781	7/9/2004	7/9/2004
0407303-001B	Soil		1.3104	0	0	50	38.156	7/9/2004	7/9/2004
0407303-002B	Soil		1.1288	0	0	50	44.295	7/9/2004	7/9/2004
0407303-003B	Soil		1.1141	0	0	50	44.879	7/9/2004	7/9/2004
0407303-004B	Soil		1.6111	0	0	50	31.035	7/9/2004	7/9/2004
0407303-005B	Soil		1.1129	0	0	50	44.928	7/9/2004	7/9/2004
0407303-006A	Soil		1.2573	0	0	50	39.768	7/9/2004	7/9/2004
0407303-007B	Soil		1.0811	0	0	50	46.249	7/9/2004	7/9/2004
0407303-008B	Soil		1.1573	0	0	50	43.204	7/9/2004	7/9/2004
0407303-010B	Soil		1.3504	0	0	50	37.026	7/9/2004	7/9/2004
0407303-012B	Soil		1.0924	0	0	50	45.771	7/9/2004	7/9/2004
0407314-001A	Soil		1.2347	0	0	50	40.496	7/9/2004	7/9/2004
LCS-47520			1	0	0	50	50.000	7/9/2004	7/9/2004
MB-47520			1	0	0	50	50.000	7/9/2004	7/9/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	MB-47520	SampType:	MBLK	TestCode:	6010B_S	Units:	mg/Kg	Prep Date:	7/9/2004	RunNo:	53065
Client ID:		Batch ID:	47520	TestNo:	SW6010B			Analysis Date:	7/10/2004	SeqNo:	1019713

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	BRL	50.0									
Antimony	BRL	5.00									
Arsenic	BRL	5.00									
Barium	BRL	5.00									
Beryllium	BRL	2.50									
Cadmium	BRL	2.50									
Calcium	BRL	50.0									
Chromium	BRL	2.50									
Cobalt	BRL	2.50									
Copper	BRL	2.50									
Iron	BRL	50.0									
Lead	BRL	5.00									
Magnesium	BRL	50.0									
Manganese	BRL	5.00									
Molybdenum	BRL	5.00									
Nickel	BRL	5.00									
Potassium	BRL	100									
Selenium	BRL	5.00									
Silver	BRL	2.50									
Sodium	BRL	100									
Thallium	BRL	5.00									
Tin	BRL	5.00									
Titanium	BRL	5.00									
Vanadium	BRL	5.00									
Zinc	BRL	5.00									

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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID **LCS-47520** SampType: **LCS** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	473.6	50.0	500	0	94.7	80	120	0	0		
Antimony	46.17	5.00	50	0	92.3	80	120	0	0		
Arsenic	48.22	5.00	50	0	96.4	80	120	0	0		
Barium	48.25	5.00	50	0	96.5	80	120	0	0		
Beryllium	48.55	2.50	50	0	97.1	80	120	0	0		
Cadmium	49.1	2.50	50	0	98.2	80	120	0	0		
Calcium	489.1	50.0	500	0	97.8	80	120	0	0		
Chromium	49.41	2.50	50	0.362	98.1	80	120	0	0		
Cobalt	48.44	2.50	50	0	96.9	80	120	0	0		
Copper	49.44	2.50	50	0	98.9	80	120	0	0		
Iron	492.8	50.0	500	0	98.6	80	120	0	0		
Lead	48.41	5.00	50	0	96.8	80	120	0	0		
Magnesium	491.2	50.0	500	0	98.2	80	120	0	0		
Manganese	48.87	5.00	50	0	97.7	80	120	0	0		
Molybdenum	49.08	5.00	50	0.3205	97.5	80	120	0	0		
Nickel	48.8	5.00	50	0	97.6	80	120	0	0		
Potassium	481.2	100	500	0	96.2	80	120	0	0		
Selenium	46.67	5.00	50	0	93.3	80	120	0	0		
Silver	4.767	2.50	5	0	95.3	80	120	0	0		
Sodium	523.2	100	500	0	105	80	120	0	0		
Thallium	48.96	5.00	50	0	97.9	80	120	0	0		
Tin	48.56	5.00	50	0.553	96	80	120	0	0		
Titanium	50.84	5.00	50	0.1355	101	80	120	0	0		
Vanadium	50.37	5.00	50	0.026	101	80	120	0	0		
Zinc	48.85	5.00	50	0	97.7	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID **0407302-003CMS** SampType: **MS** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019716**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	14.1	4.15	41.53	1.857	29.5	75	125	0	0		S
Arsenic	41.71	4.15	41.53	4.374	89.9	75	125	0	0		
Barium	145.6	4.15	41.53	111.6	81.6	75	125	0	0		
Beryllium	39.3	2.08	41.53	1.077	92	75	125	0	0		
Cadmium	40.13	2.08	41.53	3.816	87.4	75	125	0	0		
Calcium	16440	41.5	415.3	15880	135	75	125	0	0		S
Chromium	92.82	2.08	41.53	49.82	104	75	125	0	0		
Cobalt	40.83	2.08	41.53	5.096	86	75	125	0	0		
Copper	270.8	2.08	41.53	303.8	-79.4	75	125	0	0		S
Lead	328.7	4.15	41.53	339.5	-25.9	75	125	0	0		S
Magnesium	5350	41.5	415.3	4986	87.7	75	125	0	0		
Molybdenum	41.14	4.15	41.53	4.05	89.3	75	125	0	0		
Selenium	35.17	4.15	41.53	0	84.7	75	125	0	0		
Silver	4.505	2.08	4.153	0.8976	86.8	75	125	0	0		
Sodium	678.7	83.1	415.3	277.4	96.6	75	125	0	0		
Thallium	22.91	4.15	41.53	0	55.2	75	125	0	0		S
Tin	74.39	4.15	41.53	42.08	77.8	75	125	0	0		
Vanadium	56.92	4.15	41.53	18.83	91.7	75	125	0	0		
Zinc	1155	4.15	41.53	1167	-27.4	75	125	0	0		S

Sample ID **0407302-003CMS** SampType: **MS** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10550	415	415.3	10150	96	75	125	0	0		
Iron	33180	415	415.3	33510	-78.7	75	125	0	0		S
Manganese	459.4	41.5	41.53	415.2	106	75	125	0	0		
Nickel	66.35	41.5	41.53	29.42	88.9	75	125	0	0		
Potassium	2657	831	415.3	2263	94.8	75	125	0	0		

Qualifiers:

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R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	**0407302-003CMS**	SampType:	**MS**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53065**				
Client ID:	**JW-SS-18**	Batch ID:	**47520**	TestNo:	**SW6010B**			Analysis Date:	**7/10/2004**	SeqNo:	**1019739**				
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Titanium		544.3		41.5	41.53	509.5		83.7	75	125	0	0			

Qualifiers:

B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
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CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID **0407302-003CDUP** SampType: **DUP** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019715**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9179	40.9	0	0	0	0	0	9122	0.625	20	
Antimony	BRL	4.09	0	0	0	0	0	1.857	0	20	
Arsenic	BRL	4.09	0	0	0	0	0	4.374	0	20	
Barium	109.2	4.09	0	0	0	0	0	111.6	2.19	20	
Beryllium	BRL	2.04	0	0	0	0	0	1.077	0	20	
Cadmium	3.572	2.04	0	0	0	0	0	3.816	6.62	20	
Calcium	17030	40.9	0	0	0	0	0	15880	7.01	20	
Chromium	49.16	2.04	0	0	0	0	0	49.82	1.33	20	
Cobalt	4.844	2.04	0	0	0	0	0	5.096	5.06	20	
Copper	211.6	2.04	0	0	0	0	0	303.8	35.8	20	R
Lead	281.6	4.09	0	0	0	0	0	339.5	18.6	20	
Magnesium	5002	40.9	0	0	0	0	0	4986	0.333	20	
Manganese	355.5	4.09	0	0	0	0	0	372.3	4.62	20	
Molybdenum	4.382	4.09	0	0	0	0	0	4.05	7.88	20	
Nickel	24.59	4.09	0	0	0	0	0	27.49	11.1	20	
Selenium	BRL	4.09	0	0	0	0	0	0	0	20	
Silver	BRL	2.04	0	0	0	0	0	0.8976	0	20	
Sodium	277.5	81.8	0	0	0	0	0	277.4	0.0225	20	
Thallium	BRL	4.09	0	0	0	0	0	0	0	20	
Tin	39.2	4.09	0	0	0	0	0	42.08	7.08	20	
Titanium	467.7	4.09	0	0	0	0	0	473.8	1.30	20	
Vanadium	20.63	4.09	0	0	0	0	0	18.83	9.13	20	
Zinc	1071	4.09	0	0	0	0	0	1167	8.52	20	

Sample ID **0407302-003CDUP** SampType: **DUP** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	28380	409	0	0	0	0	0	33510	16.6	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID	**0407302-003CDUP**	SampType:	**DUP**	TestCode:	**6010B_S**	Units:	**mg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53065**				
Client ID:	**JW-SS-18**	Batch ID:	**47520**	TestNo:	**SW6010B**			Analysis Date:	**7/10/2004**	SeqNo:	**1019738**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	2406	818	0	0	0	0	0	2263	6.09	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID **0407302-003CDL** SampType: **DL** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10180	206	0	0	0	0	0	9122	11.0	10	R
Antimony	BRL	20.6	0	0	0	0	0	1.857	0	10	
Arsenic	BRL	20.6	0	0	0	0	0	4.374	0	10	
Barium	123.8	20.6	0	0	0	0	0	111.6	10.3	10	R
Beryllium	BRL	10.3	0	0	0	0	0	1.077	0	10	
Cadmium	BRL	10.3	0	0	0	0	0	3.816	0	10	
Calcium	18360	206	0	0	0	0	0	15880	14.5	10	R
Chromium	53.97	10.3	0	0	0	0	0	49.82	8.00	10	
Cobalt	BRL	10.3	0	0	0	0	0	5.096	0	10	
Copper	318.7	10.3	0	0	0	0	0	303.8	4.78	10	
Iron	33330	206	0	0	0	0	0	30710	8.18	10	
Lead	377	20.6	0	0	0	0	0	339.5	10.5	10	R
Magnesium	5516	206	0	0	0	0	0	4986	10.1	10	R
Manganese	408.1	20.6	0	0	0	0	0	372.3	9.17	10	
Molybdenum	BRL	20.6	0	0	0	0	0	4.05	0	10	
Nickel	29.34	20.6	0	0	0	0	0	27.49	6.49	10	
Potassium	2439	412	0	0	0	0	0	2371	2.84	10	
Selenium	BRL	20.6	0	0	0	0	0	0	0	10	
Silver	BRL	10.3	0	0	0	0	0	0.8976	0	10	
Sodium	BRL	412	0	0	0	0	0	277.4	0	10	
Thallium	BRL	20.6	0	0	0	0	0	0	0	10	
Tin	45.94	20.6	0	0	0	0	0	42.08	8.78	10	
Titanium	504.9	20.6	0	0	0	0	0	473.8	6.36	10	
Vanadium	BRL	20.6	0	0	0	0	0	18.83	0	10	
Zinc	1329	20.6	0	0	0	0	0	1167	13.0	10	R

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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010B_S

Sample ID **0407302-003CPDS** SampType: **PDS** TestCode: **6010B_S** Units: **mg/Kg** Prep Date: **7/9/2004** RunNo: **53065**
Client ID: **JW-SS-18** Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13060	82.3	4117	9122	95.7	75	125	0	0		
Antimony	380.9	8.23	411.7	1.857	92.1	75	125	0	0		
Arsenic	388.9	8.23	411.7	4.374	93.4	75	125	0	0		
Barium	469.3	8.23	411.7	111.6	86.9	75	125	0	0		
Beryllium	375.3	4.12	411.7	1.077	90.9	75	125	0	0		
Cadmium	366.9	4.12	411.7	3.816	88.2	75	125	0	0		
Calcium	20090	82.3	4117	15880	102	75	125	0	0		
Chromium	421	4.12	411.7	49.82	90.2	75	125	0	0		
Cobalt	366.9	4.12	411.7	5.096	87.9	75	125	0	0		
Copper	692.5	4.12	411.7	303.8	94.4	75	125	0	0		
Iron	34800	82.3	4117	30710	99.4	75	125	0	0		
Lead	704.8	8.23	411.7	339.5	88.7	75	125	0	0		
Magnesium	8772	82.3	4117	4986	92	75	125	0	0		
Manganese	739.5	8.23	411.7	372.3	89.2	75	125	0	0		
Molybdenum	382.7	8.23	411.7	4.05	92	75	125	0	0		
Nickel	391.5	8.23	411.7	27.49	88.4	75	125	0	0		
Potassium	6403	165	4117	2371	97.9	75	125	0	0		E
Selenium	375.6	8.23	411.7	0	91.2	75	125	0	0		
Silver	40.79	4.12	41.17	0.8976	96.9	75	125	0	0		
Sodium	4709	165	4117	277.4	108	75	125	0	0		
Thallium	368	8.23	411.7	0	89.4	75	125	0	0		
Tin	429.7	8.23	411.7	42.08	94.1	75	125	0	0		
Titanium	855.1	8.23	411.7	473.8	92.6	75	125	0	0		
Vanadium	400.4	8.23	411.7	18.83	92.7	75	125	0	0		
Zinc	1582	8.23	411.7	1167	101	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		

Analytical Environmental Services, Inc.

Date: *09-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICB** SampType: **ICB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019711**

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		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	0	0	0	0		
Titanium	BRL	0.0500	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICV** SampType: **ICV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5.158	0.200	5	0	103	90	110	0	0		
Antimony	0.5159	0.0200	0.5	0	103	90	110	0	0		
Arsenic	0.5136	0.0500	0.5	0	103	90	110	0	0		
Barium	0.5182	0.0200	0.5	0	104	90	110	0	0		
Beryllium	0.5147	0.0100	0.5	0	103	90	110	0	0		
Cadmium	0.5185	0.00500	0.5	0	104	90	110	0	0		
Calcium	5.18	0.100	5	0	104	90	110	0	0		
Chromium	0.5164	0.0100	0.5	0	103	90	110	0	0		
Cobalt	0.5164	0.0200	0.5	0	103	90	110	0	0		
Copper	0.5132	0.0100	0.5	0	103	90	110	0	0		
Iron	5.169	0.100	5	0	103	90	110	0	0		
Lead	0.5188	0.0100	0.5	0	104	90	110	0	0		
Magnesium	5.197	0.100	5	0	104	90	110	0	0		
Manganese	0.5177	0.00500	0.5	0	104	90	110	0	0		
Molybdenum	0.5174	0.0500	0.5	0	103	90	110	0	0		
Nickel	0.5161	0.0200	0.5	0	103	90	110	0	0		
Potassium	5.1	0.500	5	0	102	90	110	0	0		
Selenium	0.51	0.0200	0.5	0	102	90	110	0	0		
Silver	0.05098	0.0100	0.05	0	102	90	110	0	0		
Sodium	5.049	1.00	5	0	101	90	110	0	0		
Thallium	0.5025	0.0200	0.5	0	101	90	110	0	0		
Tin	0.5204	0.0500	0.5	0	104	90	110	0	0		
Titanium	0.5131	0.0500	0.5	0	103	90	110	0	0		
Vanadium	0.5153	0.0100	0.5	0	103	90	110	0	0		
Zinc	0.5157	0.0200	0.5	0	103	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCV** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019722**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9.963	0.200	10	0	99.6	90	110	0	0		
Antimony	0.9839	0.0200	1	0	98.4	90	110	0	0		
Arsenic	0.9785	0.0500	1	0	97.9	90	110	0	0		
Barium	0.9797	0.0200	1	0	98	90	110	0	0		
Beryllium	0.9826	0.0100	1	0	98.3	90	110	0	0		
Cadmium	0.9786	0.00500	1	0	97.9	90	110	0	0		
Calcium	9.806	0.100	10	0	98.1	90	110	0	0		
Chromium	0.9776	0.0100	1	0	97.8	90	110	0	0		
Cobalt	0.9741	0.0200	1	0	97.4	90	110	0	0		
Copper	0.9856	0.0100	1	0	98.6	90	110	0	0		
Iron	10.12	0.100	10	0	101	90	110	0	0		B
Lead	0.9803	0.0100	1	0	98	90	110	0	0		
Magnesium	9.794	0.100	10	0	97.9	90	110	0	0		
Manganese	0.9762	0.00500	1	0	97.6	90	110	0	0		
Molybdenum	0.9771	0.0500	1	0	97.7	90	110	0	0		
Nickel	0.9768	0.0200	1	0	97.7	90	110	0	0		
Potassium	10.04	0.500	10	0	100	90	110	0	0		
Selenium	0.9912	0.0200	1	0	99.1	90	110	0	0		
Silver	0.09872	0.0100	0.1	0	98.7	90	110	0	0		
Sodium	10.09	1.00	10	0	101	90	110	0	0		
Thallium	0.9882	0.0200	1	0	98.8	90	110	0	0		
Tin	0.9866	0.0500	1	0	98.7	90	110	0	0		
Titanium	0.9864	0.0500	1	0	98.6	90	110	0	0		
Vanadium	0.9785	0.0100	1	0	97.8	90	110	0	0		
Zinc	1.03	0.0200	1	0	103	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCV1** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10.2	0.200	10	0	102	90	110	0	0		
Antimony	1.005	0.0200	1	0	101	90	110	0	0		
Arsenic	0.9962	0.0500	1	0	99.6	90	110	0	0		
Barium	0.9978	0.0200	1	0	99.8	90	110	0	0		
Beryllium	0.998	0.0100	1	0	99.8	90	110	0	0		
Cadmium	0.9965	0.00500	1	0	99.7	90	110	0	0		
Calcium	10.03	0.100	10	0	100	90	110	0	0		
Chromium	0.9945	0.0100	1	0	99.4	90	110	0	0		
Cobalt	0.9864	0.0200	1	0	98.6	90	110	0	0		
Copper	0.9941	0.0100	1	0	99.4	90	110	0	0		
Iron	10.22	0.100	10	0	102	90	110	0	0		
Lead	0.9994	0.0100	1	0	99.9	90	110	0	0		
Magnesium	9.981	0.100	10	0	99.8	90	110	0	0		
Manganese	0.994	0.00500	1	0	99.4	90	110	0	0		
Molybdenum	1.009	0.0500	1	0	101	90	110	0	0		
Nickel	0.9871	0.0200	1	0	98.7	90	110	0	0		
Potassium	10.51	0.500	10	0	105	90	110	0	0		
Selenium	1.005	0.0200	1	0	101	90	110	0	0		
Silver	0.1001	0.0100	0.1	0	100	90	110	0	0		
Sodium	10.39	1.00	10	0	104	90	110	0	0		
Thallium	1.005	0.0200	1	0	101	90	110	0	0		
Tin	0.9985	0.0500	1	0	99.9	90	110	0	0		
Titanium	1.002	0.0500	1	0	100	90	110	0	0		
Vanadium	1.001	0.0100	1	0	100	90	110	0	0		
Zinc	1.007	0.0200	1	0	101	90	110	0	0		

Sample ID: **CCV1** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9.984	0.200	10	0	99.8	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCV1** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.998	0.0200	1	0	99.8	90	110	0	0		
Arsenic	0.9942	0.0500	1	0	99.4	90	110	0	0		
Barium	0.9861	0.0200	1	0	98.6	90	110	0	0		
Beryllium	0.9864	0.0100	1	0	98.6	90	110	0	0		
Cadmium	0.9841	0.00500	1	0	98.4	90	110	0	0		
Calcium	9.966	0.100	10	0	99.7	90	110	0	0		
Chromium	0.9796	0.0100	1	0	98	90	110	0	0		
Cobalt	0.9723	0.0200	1	0	97.2	90	110	0	0		
Copper	0.9859	0.0100	1	0	98.6	90	110	0	0		
Iron	9.891	0.100	10	0	98.9	90	110	0	0		
Lead	0.9847	0.0100	1	0	98.5	90	110	0	0		
Magnesium	9.945	0.100	10	0	99.5	90	110	0	0		
Manganese	0.9773	0.00500	1	0	97.7	90	110	0	0		
Molybdenum	0.9744	0.0500	1	0	97.4	90	110	0	0		
Nickel	0.9758	0.0200	1	0	97.6	90	110	0	0		
Potassium	10.18	0.500	10	0	102	90	110	0	0		
Selenium	1.007	0.0200	1	0	101	90	110	0	0		
Silver	0.09899	0.0100	0.1	0	99	90	110	0	0		
Sodium	10.03	1.00	10	0	100	90	110	0	0		
Thallium	0.9984	0.0200	1	0	99.8	90	110	0	0		
Tin	0.9927	0.0500	1	0	99.3	90	110	0	0		
Titanium	0.9761	0.0500	1	0	97.6	90	110	0	0		
Vanadium	0.985	0.0100	1	0	98.5	90	110	0	0		
Zinc	0.9967	0.0200	1	0	99.7	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCB** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019723**

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	0.1417	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		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	0	0	0	0		
Titanium	BRL	0.0500	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCB1** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019735**

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		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	0	0	0	0		
Titanium	BRL	0.0500	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: **CCB1** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019747**

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		

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **CCB1** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	0	0	0	0		
Titanium	BRL	0.0500	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICSA** SampType: **ICSA** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019695**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	268.6	0.200	250	0	107	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	228.4	0.100	250	0	91.4	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	94.61	0.100	100	0	94.6	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	242.6	0.100	250	0	97.1	80	120	0	0		
Manganese	0.00713	0.00500	0	0	0	80	120	0	0		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	80	120	0	0		
Titanium	BRL	0.0500	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		

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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICSA** SampType: **ICSA** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	260.8	0.200	250	0	104	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	222.2	0.100	250	0	88.9	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	91.45	0.100	100	0	91.5	80	120	0	0		
Lead	BRL	0.0100	0	0	0	80	120	0	0		
Magnesium	235.2	0.100	250	0	94.1	80	120	0	0		
Manganese	BRL	0.00500	0	0	0	80	120	0	0		
Molybdenum	BRL	0.0500	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		
Tin	BRL	0.0500	0	0	0	80	120	0	0		
Titanium	BRL	0.0500	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: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	276.9	0.200	255	0	109	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICSAB** SampType: **ICSAB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.478	0.0200	0.5	0	95.6	80	120	0	0		
Arsenic	0.4984	0.0500	0.5	0	99.7	80	120	0	0		
Barium	0.4769	0.0200	0.5	0	95.4	80	120	0	0		
Beryllium	0.4983	0.0100	0.5	0	99.7	80	120	0	0		
Cadmium	0.4831	0.00500	0.5	0	96.6	80	120	0	0		
Calcium	235.2	0.100	255	0	92.2	80	120	0	0		
Chromium	0.4804	0.0100	0.5	0	96.1	80	120	0	0		
Cobalt	0.47	0.0200	0.5	0	94	80	120	0	0		
Copper	0.5017	0.0100	0.5	0	100	80	120	0	0		
Iron	100.7	0.100	105	0	95.9	80	120	0	0		
Lead	0.4752	0.0100	0.5	0	95	80	120	0	0		
Magnesium	250.7	0.100	255	0	98.3	80	120	0	0		
Manganese	0.4858	0.00500	0.5	0	97.2	80	120	0	0		
Molybdenum	0.4962	0.0500	0.5	0	99.2	80	120	0	0		
Nickel	0.465	0.0200	0.5	0	93	80	120	0	0		
Potassium	6.307	0.500	5	0	126	80	120	0	0		S
Selenium	0.5014	0.0200	0.5	0	100	80	120	0	0		
Silver	0.05	0.0100	0.05	0	100	80	120	0	0		
Sodium	5.535	1.00	5	0	111	80	120	0	0		
Thallium	0.4865	0.0200	0.5	0	97.3	80	120	0	0		
Tin	0.5013	0.0500	0.5	0	100	80	120	0	0		
Titanium	0.4897	0.0500	0.5	0	97.9	80	120	0	0		
Vanadium	0.4941	0.0100	0.5	0	98.8	80	120	0	0		
Zinc	0.5101	0.0200	0.5	0	102	80	120	0	0		

Sample ID: **ICSAB** SampType: **ICSAB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	270.3	0.200	255	0	106	80	120	0	0		
Antimony	0.4827	0.0200	0.5	0	96.5	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47520

Sample ID: **ICSAB** SampType: **ICSAB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53065**
Client ID: Batch ID: **47520** TestNo: **SW6010B** Analysis Date: **7/10/2004** SeqNo: **1019745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.498	0.0500	0.5	0	99.6	80	120	0	0		
Barium	0.4674	0.0200	0.5	0	93.5	80	120	0	0		
Beryllium	0.4906	0.0100	0.5	0	98.1	80	120	0	0		
Cadmium	0.4721	0.00500	0.5	0	94.4	80	120	0	0		
Calcium	230.9	0.100	255	0	90.6	80	120	0	0		
Chromium	0.4719	0.0100	0.5	0	94.4	80	120	0	0		
Cobalt	0.4584	0.0200	0.5	0	91.7	80	120	0	0		
Copper	0.4947	0.0100	0.5	0	98.9	80	120	0	0		
Iron	98.44	0.100	105	0	93.8	80	120	0	0		
Lead	0.4624	0.0100	0.5	0	92.5	80	120	0	0		
Magnesium	245.7	0.100	255	0	96.3	80	120	0	0		
Manganese	0.4772	0.00500	0.5	0	95.4	80	120	0	0		
Molybdenum	0.4796	0.0500	0.5	0	95.9	80	120	0	0		
Nickel	0.4553	0.0200	0.5	0	91.1	80	120	0	0		
Potassium	5.807	0.500	5	0	116	80	120	0	0		
Selenium	0.4892	0.0200	0.5	0	97.8	80	120	0	0		
Silver	0.05041	0.0100	0.05	0	101	80	120	0	0		
Sodium	5.33	1.00	5	0	107	80	120	0	0		
Thallium	0.4616	0.0200	0.5	0	92.3	80	120	0	0		
Tin	0.4854	0.0500	0.5	0	97.1	80	120	0	0		
Titanium	0.4819	0.0500	0.5	0	96.4	80	120	0	0		
Vanadium	0.484	0.0100	0.5	0	96.8	80	120	0	0		
Zinc	0.494	0.0200	0.5	0	98.8	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.
7-09-04

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

AES Batch #: 47520
Matrix : Soil
Prep Date: 7-09-04

HNO_3: 8747
HCl: 8746
H_2O_2: 8502

LCS/LCSD ID: VHG #8342 0.5 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-S
Balance #: 3

Hotblock ID and Temp: " PR#1512, 96°C
Thermomtr ID & Calib.Exp. " AES#1529 12-14-04

AES Project #	Sample Number	Initial Vol. (mL)	Sample wt grams	Final Vol. (mL)	pH Check	Comments
47520	LCS	N/A	1.0000	50	N/A	
47520	MB		1.0000			
0407302-	003C Orig.		1.2144			
	003C DUP		1.2226			
	003C MS		1.2039			
	001D		1.0342			
	005C		1.1432			
I. K.	007C	I. K.	1.0688	I. K.	I. K.	
0407303-	001B	N/A	1.3104	50	N/A	
	002B		1.1288			
	003B		1.1141			
	004B		1.6111			
	005B		1.1129			
	006A		1.2573			
	007B		1.0811			
	008B		1.1573			
	010B		1.3504			
I. K.	012B	I. K.	1.0924	I. K.	I. K.	
0407314-	001A	N/A	1.2347	50	N/A	
	I. K.		7-09-04			
				7-09-04		
I. K.						

* Initial pH of the samples must be ≤ 2. If pH is higher than 2, notify the Laboratory Manager.

Analyst: I. K. Date: 7-09-04

ICV= Met-184-010
ICAL= Met- 184-011
ICAL2=Met-184-012

#	Sample Name		File	Method	Date	Time	OpID	Type	Mode
1	STD1-BLANK		70904A	ICPCLP	07/09/04	11:05		X	IR
2	ICAL		70904A	ICPCLP	07/09/04	11:10		X	IR
3	ICAL2		70904A	ICPCLP	07/09/04	11:14		X	IR
4	CKSTD		70904A	ICPCLP	07/09/04	11:19	CDW	Q	CONC
5	ICV		70904A	ICPCLP	07/09/04	11:24	CDW	Q	CONC
6	ICB		70904A	ICPCLP	07/09/04	11:31	CDW	B	CONC
7	CRI		70904A	ICPCLP	07/09/04	11:36	CDW	Q	CONC
8	CRI2		70904A	ICPCLP	07/09/04	11:40	CDW	Q	CONC
9	ICSA		70904A	ICPCLP	07/09/04	11:46	CDW	Q	CONC
10	ICSAB		70904A	ICPCLP	07/09/04	11:50	CDW	Q	CONC
11	CCV		70904A	ICPCLP	07/09/04	11:56	CDW	Q	CONC
12	CCB		70904A	ICPCLP	07/09/04	12:02	CDW	B	CONC
13	LCS-47473		70904A	ICPCLP	07/09/04	12:07	CDW	S	CONC
14	MB-47473		70904A	ICPCLP	07/09/04	12:11	CDW	S	CONC
15	0407228-026A		70904A	ICPCLP	07/09/04	12:16	CDW	S	CONC
16	0407228-026ADUP		70904A	ICPCLP	07/09/04	12:20	CDW	S	CONC
17	0407228-026AMS		70904A	ICPCLP	07/09/04	12:25	CDW	S	CONC
18	0407226-015A		70904A	ICPCLP	07/09/04	12:29	CDW	S	CONC
19	0407226-016A		70904A	ICPCLP	07/09/04	12:34	CDW	S	CONC
20	0407238-002A		70904A	ICPCLP	07/09/04	12:38	CDW	S	CONC
21	0407238-003A		70904A	ICPCLP	07/09/04	12:46	CDW	S	CONC
22	0407239-003A		70904A	ICPCLP	07/09/04	12:51	CDW	S	CONC
23	CCV		70904A	ICPCLP	07/09/04	12:56	CDW	Q	CONC
24	CCB		70904A	ICPCLP	07/09/04	13:02	CDW	B	CONC
25	0407239-004A		70904A	ICPCLP	07/09/04	13:07	CDW	S	CONC
26	0407253-001B		70904A	ICPCLP	07/09/04	13:11	CDW	S	CONC
27	0407253-002B		70904A	ICPCLP	07/09/04	13:16	CDW	S	CONC
28	0407253-003B		70904A	ICPCLP	07/09/04	13:20	CDW	S	CONC
29	0407253-004B		70904A	ICPCLP	07/09/04	13:25	CDW	S	CONC
30	0407253-005B		70904A	ICPCLP	07/09/04	13:29	CDW	S	CONC
31	0407253-006B		70904A	ICPCLP	07/09/04	13:33	CDW	S	CONC
32	0407253-007B		70904A	ICPCLP	07/09/04	13:38	CDW	S	CONC
33	0407253-008B		70904A	ICPCLP	07/09/04	13:42	CDW	S	CONC
34	0407279-001B		70904A	ICPCLP	07/09/04	13:47	CDW	S	CONC
35	CCV		70904A	ICPCLP	07/09/04	13:53	CDW	Q	CONC
36	CCB		70904A	ICPCLP	07/09/04	13:58	CDW	B	CONC
37	0407253-001B	10X	70904A	ICPCLP	07/09/04	14:03	CDW	S	CONC
38	0407253-003B	10X	70904A	ICPCLP	07/09/04	14:07	CDW	S	CONC
39	0407253-004B	10X	70904A	ICPCLP	07/09/04	14:12	CDW	S	CONC
40	0407253-005B	10X	70904A	ICPCLP	07/09/04	14:16	CDW	S	CONC
41	0407253-007B	10X	70904A	ICPCLP	07/09/04	14:21	CDW	S	CONC
42	ICSA		70904A	ICPCLP	07/09/04	14:26	CDW	Q	CONC
43	ICSAB		70904A	ICPCLP	07/09/04	14:31	CDW	Q	CONC
44	CCV1		70904A	ICPCLP	07/09/04	14:36	CDW	Q	CONC
45	CCB1		70904A	ICPCLP	07/09/04	14:42	CDW	B	CONC
46	STD1-BLANK		70904B	ICPCLP	07/09/04	15:03		X	IR
47	ICAL		70904B	ICPCLP	07/09/04	15:07		X	IR
48	ICAL2		70904B	ICPCLP	07/09/04	15:12		X	IR
49	ICV		70904B	ICPCLP	07/09/04	15:17	CDW	Q	CONC
50	ICB		70904B	ICPCLP	07/09/04	15:24	CDW	B	CONC
51	LCS-47492		70904B	ICPCLP	07/09/04	15:29	CDW	S	CONC
52	MB-47492		70904B	ICPCLP	07/09/04	15:33	CDW	S	CONC
53	0407011-001C		70904B	ICPCLP	07/09/04	15:38	CDW	S	CONC

Reviewed CDW 7-12-04

6010B_S

6010B_W_T

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	0407011-001CDUP	70904B	ICPCLP	07/09/04	15:42	CDW	S	CONC
55	0407011-001CMS	70904B	ICPCLP	07/09/04	15:47	CDW	S	CONC
56	0407011-002C	70904B	ICPCLP	07/09/04	15:51	CDW	S	CONC
57	0407011-003C	70904B	ICPCLP	07/09/04	15:56	CDW	S	CONC
58	0407011-004C	70904B	ICPCLP	07/09/04	16:00	CDW	S	CONC
59	0407011-005C	70904B	ICPCLP	07/09/04	16:05	CDW	S	CONC
60	0407011-006C	70904B	ICPCLP	07/09/04	16:09	CDW	S	CONC
61	CCV	70904B	ICPCLP	07/09/04	16:15	CDW	Q	CONC
62	CCB	70904B	ICPCLP	07/09/04	16:20	CDW	B	CONC
63	0407011-007C	70904B	ICPCLP	07/09/04	16:25	CDW	S	CONC
64	0407011-008C	70904B	ICPCLP	07/09/04	16:29	CDW	S	CONC
65	0407011-009C	70904B	ICPCLP	07/09/04	16:34	CDW	S	CONC
66	0407011-010C	70904B	ICPCLP	07/09/04	16:38	CDW	S	CONC
67	0407011-011C	70904B	ICPCLP	07/09/04	16:43	CDW	S	CONC
68	0407011-012C	70904B	ICPCLP	07/09/04	16:47	CDW	S	CONC
69	0407011-013C	70904B	ICPCLP	07/09/04	16:52	CDW	S	CONC
70	0407011-014C	70904B	ICPCLP	07/09/04	16:56	CDW	S	CONC
71	0407011-015C	70904B	ICPCLP	07/09/04	17:01	CDW	S	CONC
72	0407011-001CDL	70904B	ICPCLP	07/09/04	17:05	CDW	S	CONC
73	CCV	70904B	ICPCLP	07/09/04	17:11	CDW	Q	CONC
74	CCB	70904B	ICPCLP	07/09/04	17:16	CDW	B	CONC
75	0407011-001CPDS	70904B	ICPCLP	07/09/04	17:39	CDW	S	CONC
76	LCS-47519	70904B	ICPCLP	07/09/04	17:44	CDW	S	CONC
77	MB-47519	70904B	ICPCLP	07/09/04	17:50	CDW	S	CONC
78	0407257-002D	70904B	ICPCLP	07/09/04	17:55	CDW	S	CONC
79	0407257-002DDUP	70904B	ICPCLP	07/09/04	17:59	CDW	S	CONC
80	0407257-002DMS	70904B	ICPCLP	07/09/04	18:04	CDW	S	CONC
81	0407236-001E	70904B	ICPCLP	07/09/04	18:08	CDW	S	CONC
82	0407265-002A	70904B	ICPCLP	07/09/04	18:13	CDW	S	CONC
83	0407280-001C	70904B	ICPCLP	07/09/04	18:17	CDW	S	CONC
84	0407333-001A	70904B	ICPCLP	07/09/04	18:22	CDW	S	CONC
85	CCV	70904B	ICPCLP	07/09/04	18:27	CDW	Q	CONC
86	CCB	70904B	ICPCLP	07/09/04	18:33	CDW	B	CONC
87	0407333-002A	70904B	ICPCLP	07/09/04	18:37	CDW	S	CONC
88	0407333-003A	70904B	ICPCLP	07/09/04	18:42	CDW	S	CONC
89	0407333-004A	70904B	ICPCLP	07/09/04	18:46	CDW	S	CONC
90	0407257-002DDL	70904B	ICPCLP	07/09/04	18:51	CDW	S	CONC
91	0407257-002DPDS	70904B	ICPCLP	07/09/04	18:55	CDW	S	CONC
92	ICSA	70904B	ICPCLP	07/09/04	19:01	CDW	Q	CONC
93	ICSAB	70904B	ICPCLP	07/09/04	19:05	CDW	Q	CONC
94	CCV	70904B	ICPCLP	07/09/04	19:11	CDW	Q	CONC
95	CCB	70904B	ICPCLP	07/09/04	19:17	CDW	B	CONC
96	STD1-BLANK	70904B	ICPCLP	07/09/04	19:21		X	IR
97	ICAL	70904B	ICPCLP	07/09/04	19:26		X	IR
98	ICAL2	70904B	ICPCLP	07/09/04	19:30		X	IR
99	ICV	70904B	ICPCLP	07/09/04	19:36	CDW	Q	CONC
100	ICB	70904B	ICPCLP	07/09/04	19:42	CDW	B	CONC
101	LCS-47531	70904B	ICPCLP	07/09/04	19:46	CDW	S	CONC
102	MB-47531	70904B	ICPCLP	07/09/04	19:51	CDW	S	CONC
103	0407309-001H	70904B	ICPCLP	07/09/04	19:55	CDW	S	CONC
104	0407309-001HDUP	70904B	ICPCLP	07/09/04	19:59	CDW	S	CONC
105	0407309-001HMS	70904B	ICPCLP	07/09/04	20:04	CDW	S	CONC
106	0407309-003H	70904B	ICPCLP	07/09/04	20:08	CDW	S	CONC
107	0407309-005H	70904B	ICPCLP	07/09/04	20:13	CDW	S	CONC

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200.7.W.T

6010B.W.T

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	0407299-004B	70904B	ICPCLP	07/09/04	20:17	CDW	S	CONC
109	0407299-005B	70904B	ICPCLP	07/09/04	20:22	CDW	S	CONC
110	0407299-006B	70904B	ICPCLP	07/09/04	20:26	CDW	S	CONC
111	CCV1	70904B	ICPCLP	07/09/04	20:32	CDW	Q	CONC
112	CCB1	70904B	ICPCLP	07/09/04	20:38	CDW	B	CONC
113	0407303-014B	70904B	ICPCLP	07/09/04	20:42	CDW	S	CONC
114	0407303-014C	70904B	ICPCLP	07/09/04	20:47	CDW	S	CONC
115	0407309-001F	70904B	ICPCLP	07/09/04	20:51	CDW	S	CONC
116	0407309-003F	70904B	ICPCLP	07/09/04	20:56	CDW	S	CONC
117	0407309-005F	70904B	ICPCLP	07/09/04	21:00	CDW	S	CONC
118	0407309-001HDL	70904B	ICPCLP	07/09/04	21:05	CDW	S	CONC
119	0407309-001HPDS	70904B	ICPCLP	07/09/04	21:09	CDW	S	CONC
120	LCS-47535	70904B	ICPCLP	07/09/04	21:15	CDW	S	CONC
121	MB-47535	70904B	ICPCLP	07/09/04	21:19	CDW	S	CONC
122	0407322-001A	70904B	ICPCLP	07/09/04	21:24	CDW	S	CONC
123	CCV	70904B	ICPCLP	07/09/04	21:29	CDW	Q	CONC
124	CCB	70904B	ICPCLP	07/09/04	21:35	CDW	B	CONC
125	0407322-002A	70904B	ICPCLP	07/09/04	21:39	CDW	S	CONC
126	0407322-003A	70904B	ICPCLP	07/09/04	21:44	CDW	S	CONC
127	0407322-004A	70904B	ICPCLP	07/09/04	21:48	CDW	S	CONC
128	0407322-005A	70904B	ICPCLP	07/09/04	21:53	CDW	S	CONC
129	0407322-006A	70904B	ICPCLP	07/09/04	21:57	CDW	S	CONC
130	0407322-007A	70904B	ICPCLP	07/09/04	22:02	CDW	S	CONC
131	0407322-008A	70904B	ICPCLP	07/09/04	22:06	CDW	S	CONC
132	0407322-009A	70904B	ICPCLP	07/09/04	22:11	CDW	S	CONC
133	0407322-010A	70904B	ICPCLP	07/09/04	22:15	CDW	S	CONC
134	0407322-011A	70904B	ICPCLP	07/09/04	22:20	CDW	S	CONC
135	CCV2	70904B	ICPCLP	07/09/04	22:25	CDW	Q	CONC
136	CCB2	70904B	ICPCLP	07/09/04	22:31	CDW	B	CONC
137	0407322-012A	70904B	ICPCLP	07/09/04	22:36	CDW	S	CONC
138	0407322-013A	70904B	ICPCLP	07/09/04	22:40	CDW	S	CONC
139	LCS-47534	70904B	ICPCLP	07/09/04	22:46	CDW	S	CONC
140	MB-47534	70904B	ICPCLP	07/09/04	22:50	CDW	S	CONC
141	0406F09-002A	70904B	ICPCLP	07/09/04	22:55	CDW	S	CONC
142	0406F09-002ADUP	70904B	ICPCLP	07/09/04	22:59	CDW	S	CONC
143	0406F09-002AMS	70904B	ICPCLP	07/09/04	23:04	CDW	S	CONC
144	0406F09-004A	70904B	ICPCLP	07/09/04	23:08	CDW	S	CONC
145	0406F09-006A	70904B	ICPCLP	07/09/04	23:13	CDW	S	CONC
146	0406F09-008A	70904B	ICPCLP	07/09/04	23:17	CDW	S	CONC
147	CCV1	70904B	ICPCLP	07/09/04	23:23	CDW	Q	CONC
148	CCB1	70904B	ICPCLP	07/09/04	23:28	CDW	B	CONC
149	0406F09-009B	70904B	ICPCLP	07/09/04	23:33	CDW	S	CONC
150	0406F09-010B	70904B	ICPCLP	07/09/04	23:37	CDW	S	CONC
151	0407035-001B	70904B	ICPCLP	07/09/04	23:42	CDW	S	CONC
152	0407035-002B	70904B	ICPCLP	07/09/04	23:46	CDW	S	CONC
153	0407035-003B	70904B	ICPCLP	07/09/04	23:51	CDW	S	CONC
154	0407035-004B	70904B	ICPCLP	07/09/04	23:55	CDW	S	CONC
155	0407035-005B	70904B	ICPCLP	07/10/04	00:00	CDW	S	CONC
156	0406F09-002ADL	70904B	ICPCLP	07/10/04	00:04	CDW	S	CONC
157	0406F09-002APDS	70904B	ICPCLP	07/10/04	00:09	CDW	S	CONC
158	ICSA	70904B	ICPCLP	07/10/04	00:14	CDW	Q	CONC
159	ICSAB	70904B	ICPCLP	07/10/04	00:19	CDW	Q	CONC
160	CCV2	70904B	ICPCLP	07/10/04	00:25	CDW	Q	CONC
161	CCB2	70904B	ICPCLP	07/10/04	00:30	CDW	B	CONC

6010B_W_T

6010B_W_D

6010B_W_T

Paint_Wt

6010B_S

Analysis Report Summary 07/12/04 12:11:28 PM page 4

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	STD1-BLANK	70904B	ICPCLP	07/10/04	00:35		X	IR
163	ICAL	70904B	ICPCLP	07/10/04	00:39		X	IR
164	ICAL2	70904B	ICPCLP	07/10/04	00:44		X	IR
165	ICV	70904B	ICPCLP	07/10/04	00:49	CDW	Q	CONC
166	ICB	70904B	ICPCLP	07/10/04	00:55	CDW	B	CONC
167	LCS-47520	70904B	ICPCLP	07/10/04	01:00	CDW	S	CONC
168	MB-47520	70904B	ICPCLP	07/10/04	01:04	CDW	S	CONC
169	0407302-003C	70904B	ICPCLP	07/10/04	01:09	CDW	S	CONC
170	0407302-003CDUP	70904B	ICPCLP	07/10/04	01:13	CDW	S	CONC
171	0407302-003CMS	70904B	ICPCLP	07/10/04	01:18	CDW	S	CONC
172	0407302-001D	70904B	ICPCLP	07/10/04	01:22	CDW	S	CONC
173	0407302-005C	70904B	ICPCLP	07/10/04	01:27	CDW	S	CONC
174	0407302-007C	70904B	ICPCLP	07/10/04	01:31	CDW	S	CONC
175	0407303-001B	70904B	ICPCLP	07/10/04	01:36	CDW	S	CONC
176	0407303-002B	70904B	ICPCLP	07/10/04	01:40	CDW	S	CONC
177	CCV	70904B	ICPCLP	07/10/04	01:46	CDW	Q	CONC
178	CCB	70904B	ICPCLP	07/10/04	01:51	CDW	B	CONC
179	0407303-003B	70904B	ICPCLP	07/10/04	01:56	CDW	S	CONC
180	0407303-004B	70904B	ICPCLP	07/10/04	02:00	CDW	S	CONC
181	0407303-005B	70904B	ICPCLP	07/10/04	02:05	CDW	S	CONC
182	0407303-006A	70904B	ICPCLP	07/10/04	02:09	CDW	S	CONC
183	0407303-007B	70904B	ICPCLP	07/10/04	02:14	CDW	S	CONC
184	0407303-008B	70904B	ICPCLP	07/10/04	02:18	CDW	S	CONC
185	0407303-010B	70904B	ICPCLP	07/10/04	02:23	CDW	S	CONC
186	0407303-012B	70904B	ICPCLP	07/10/04	02:27	CDW	S	CONC
187	0407314-001A	70904B	ICPCLP	07/10/04	02:32	CDW	S	CONC
188	0407302-003CDL	70904B	ICPCLP	07/10/04	02:36	CDW	S	CONC
189	CCV1	70904B	ICPCLP	07/10/04	02:42	CDW	Q	CONC
190	CCB1	70904B	ICPCLP	07/10/04	02:48	CDW	B	CONC
191	0407302-003CPDS	70904B	ICPCLP	07/10/04	02:52	CDW	S	CONC
192	0407302-003C 10X	70904B	ICPCLP	07/10/04	02:58	CDW	S	CONC
193	0407302-003CDUP 10X	70904B	ICPCLP	07/10/04	03:02	CDW	S	CONC
194	0407302-003CMS 10X	70904B	ICPCLP	07/10/04	03:07	CDW	S	CONC
195	0407302-001D 10X	70904B	ICPCLP	07/10/04	03:11	CDW	S	CONC
196	0407302-005C 10X	70904B	ICPCLP	07/10/04	03:16	CDW	S	CONC
197	0407302-007C 10X	70904B	ICPCLP	07/10/04	03:20	CDW	S	CONC
198	ICSA	70904B	ICPCLP	07/10/04	03:26	CDW	Q	CONC
199	ICSAB	70904B	ICPCLP	07/10/04	03:31	CDW	Q	CONC
200	CCV1	70904B	ICPCLP	07/10/04	03:36	CDW	Q	CONC
201	CCB1	70904B	ICPCLP	07/10/04	03:42	CDW	B	CONC

6010B-J

#	Sample Name		Ag	Al	As	Ba	Be	Ca
1	STD1-BLANK		-.01999	.20948	.00699	.00099	-.14299	.03799
2	ICAL		2.32438	12.5104	1.9759	27.9101	12.2454	26.3932
3	ICAL2		4.47277	24.3028	3.8743	53.4393	23.6973	50.515
4	CKSTD		.0980	9.838	.9889	.9760	.9794	9.793
5	ICV		.0511	5.030	.5052	.5057	.5017	5.048
6	ICB		-.0002	-.0013	-.0048	.0001	.0003	.0008
7	CRI		.0019	.0985	.0058	.0104	.0099	.1117
8	CRI2		.0114	2.058	.1074	.1059	.1051	2.019
9	ICSA		.0008	263.9	-.0068	.0001	.0001	223.4
10	ICSAB		.0526	270.7	.4903	.4666	.4895	229.6
11	CCV		.0992	10.12	1.000	.9898	.9950	10.07
12	CCB		.0008	.0415	.0007	.0005	.0005	.0356
13	LCS-47473		.0977	9.653	.9904	.9847	.9950	10.07
14	MB-47473		.0010	.0158	-.0043	.0006	.0007	.1007
15	0407228-026A		1.736	757.1	.1266	9.766	.0231	529.6
16	0407228-026ADUP		1.778	769.1	.1216	9.982	.0234	539.8
17	0407228-026AMS		1.841	778.9	.9516	10.67	.8954	544.2
18	0407226-015A		.0945	69.86	.0227	1.447	.0031	45.67
19	0407226-016A		.0722	63.52	.0221	1.421	.0026	43.32
20	0407238-002A		.0221	220.7	.0075	.8817	.0021	18.39
21	0407238-003A		.1198	220.5	.0419	4.043	.0051	134.1
22	0407239-003A		1.044	71.27	.0062	2.953	.0022	48.40
23	CCV		.0992	9.791	.9914	.9838	.9853	9.830
24	CCB		.0004	.0177	-.0002	.0008	.0005	.0128
25	0407239-004A		1.021	171.8	.0312	5.756	.0044	115.4
26	0407253-001B		.0009	319.9	.0554	1.150	.0206	620.3
27	0407253-002B		.0047	275.7	.0501	2.374	.0129	117.0
28	0407253-003B		.0005	229.5	.0647	2.238	.0146	208.4
29	0407253-004B		-.0012	575.7	.1404	17.97	.0321	1677.
30	0407253-005B		-.0004	422.9	.0930	7.014	.0259	992.8
31	0407253-006B		.0010	147.8	.3502	2.772	.0139	481.1
32	0407253-007B		.0002	297.4	.0965	3.731	.0205	386.8
33	0407253-008B		-.0006	30.32	.0155	.1798	.0016	8.372
34	0407279-001B		.0031	64.56	.0867	1.386	.0065	511.7
35	CCV		.0980	9.754	.9790	.9794	.9846	10.00
36	CCB		.0008	.0185	.0045	.0006	.0006	.0847
37	0407253-001B	10X	.0003	36.42	.0076	.1291	.0025	75.55
38	0407253-003B	10X	.0009	25.43	.0018	.2499	.0017	23.78
39	0407253-004B	10X	.0002	76.52	.0158	2.269	.0039	277.5
40	0407253-005B	10X	-.0001	52.37	.0079	.8309	.0030	135.3
41	0407253-007B	10X	.0004	35.08	.0067	.4342	.0024	47.02
42	ICSA		-.0004	257.0	-.0006	.0005	.0002	217.4
43	ICSAB		.0492	262.6	.4675	.4536	.4730	221.0
44	CCV1		.0971	9.760	.9823	.9740	.9844	9.832
45	CCB1		.0001	.0329	-.0015	.0003	.0004	.0310
46	STD1-BLANK		.00399	.24098	-.00399	0	-.13849	.03849
47	ICAL		2.31538	12.4209	2.01389	27.5361	12.0289	25.9842
48	ICAL2		4.51227	24.1958	3.8853	53.4553	23.7358	50.483
49	ICV		.0503	4.903	.4911	.5000	.4998	4.987
50	ICB		.0003	-.0106	-.0008	.0002	.0001	.0009
51	LCS-47492		.0973	9.573	.9932	.9718	1.006	9.988
52	MB-47492		.0002	-.0081	.0045	.0005	.0003	.0063
53	0407011-001C		.0000	-.0077	-.0011	.0039	.0001	65.28

#	Sample Name	Ag	Al	As	Ba	Be	Ca
54	0407011-001CDUP	.0001	-.0106	-.0004	.0037	-.0001	63.31
55	0407011-001CMS	.0981	9.434	.9940	.9542	1.021	74.25
56	0407011-002C	.0004	-.0079	.0005	.0022	.0003	41.98
57	0407011-003C	-.0010	-.0040	-.0010	.0018	.0000	41.52
58	0407011-004C	-.0008	-.0092	.0016	.0053	-.0000	58.77
59	0407011-005C	.0001	-.0083	-.0000	.0009	-.0001	38.65
60	0407011-006C	-.0002	-.0034	.0017	.0023	-.0001	39.37
61	CCV	.0982	9.900	.9743	.9828	.9919	9.904
62	CCB	.0007	-.0007	-.0019	.0006	.0002	.0151
63	0407011-007C	-.0003	-.0073	.0006	.0028	-.0000	42.66
64	0407011-008C	.0005	.0006	.0051	.0052	-.0001	51.79
65	0407011-009C	-.0003	-.0070	.0020	.0040	-.0001	40.91
66	0407011-010C	.0001	.0058	.0040	.0078	-.0001	56.27
67	0407011-011C	.0003	-.0092	-.0029	.0009	-.0000	33.90
68	0407011-012C	.0011	-.0005	.0036	.0059	-.0001	53.99
69	0407011-013C	-.0004	.0022	.0023	.0053	-.0003	42.93
70	0407011-014C	.0005	-.0015	.0004	.0036	-.0001	64.13
71	0407011-015C	.0019	-.0011	-.0044	.0057	-.0001	52.15
72	0407011-001CDL	-.0004	-.0081	.0004	.0009	-.0000	13.36
73	CCV	.0971	9.793	.9690	.9772	.9841	9.832
74	CCB	-.0001	.0002	.0032	.0005	.0003	.0126
75	0407011-001CPDS	.1015	9.507	.9701	.9457	.9709	40.73
76	LCS-47519	.0995	9.522	.9810	.9618	.9964	9.938
77	MB-47519	.0004	.1481	.0021	.0007	.0003	.0350
78	0407257-002D	-.0004	.1626	.0019	.0122	.0006	11.91
79	0407257-002DDUP	-.0002	.2995	-.0016	.0128	.0004	12.17
80	0407257-002DMS	.0837	7.575	.9032	.7256	.8483	20.21
81	0407236-001E	-.0005	.1860	.0017	.0136	.0001	7.694
82	0407265-002A	.0007	.6857	.0082	.5715	.0003	14.44
83	0407280-001C	-.0015	8.465	.0356	.1068	.0071	34.10
84	0407333-001A	.0001	.2164	.0084	.0097	-.0001	15.64
85	CCV	.0989	9.875	.9725	.9813	.9868	9.854
86	CCB	-.0007	-.0065	-.0009	.0003	.0002	.0041
87	0407333-002A	.0008	1.961	.0000	.0483	.0002	20.54
88	0407333-003A	.0008	.7199	.0051	.0345	.0000	14.65
89	0407333-004A	.0012	.7304	.0050	.0739	.0000	16.92
90	0407257-002DDL	-.0000	.2365	-.0030	.0034	.0000	2.799
91	0407257-002DPDS	.0897	8.708	.9274	.7954	.8941	14.76
92	ICSA	-.0004	255.2	.0004	.0003	.0003	217.6
93	ICSAB	.0486	262.0	.4616	.4507	.4708	221.0
94	CCV	.0969	9.748	.9658	.9724	.9864	9.851
95	CCB	-.0001	.0245	-.0038	.0003	.0004	.0374
96	STD1-BLANK	.00099	.27248	-.00549	.00749	-.13249	.11549
97	ICAL	2.25838	12.1259	1.8984	26.8426	11.7279	25.3392
98	ICAL2	4.44577	23.4383	3.78881	52.3974	23.4563	49.477
99	ICV	.0503	5.037	.5058	.5046	.5018	5.036
100	ICB	-.0013	-.0289	-.0031	.0000	.0002	-.0138
101	LCS-47531	.0948	9.505	.9815	.9502	.9851	9.774
102	MB-47531	-.0002	.1156	.0034	.0006	.0003	.0194
103	0407309-001H	-.0004	.2139	.0061	.0129	-.0001	3.411
104	0407309-001HDUP	-.0006	.1492	-.0004	.0124	-.0001	3.297
105	0407309-001HMS	.0968	9.885	.9963	.9721	.9933	13.15
106	0407309-003H	.0001	.1704	.0005	.0146	.0002	1.262
107	0407309-005H	-.0004	.6442	.0030	.0727	.0002	15.24

#	Sample Name	Ag	Al	As	Ba	Be	Ca
108	0407299-004B	.0014	42.51	.0029	.6463	.0025	10.40
109	0407299-005B	.0005	17.33	.0037	.2800	.0013	3.161
110	0407299-006B	-.0002	102.6	.0124	1.641	.0056	9.077
111	CCV1	.0992	10.25	1.010	.9943	1.004	10.06
112	CCB1	.0002	-.0159	.0013	.0005	.0002	-.0125
113	0407303-014B	-.0004	213.2	.0043	1.277	.0191	13.23
114	0407303-014C	-.0001	.2256	-.0046	.0260	.0000	4.573
115	0407309-001F	-.0002	.1543	.0030	.0142	-.0001	7.951
116	0407309-003F	.0006	.1880	.0014	.0160	-.0002	2.262
117	0407309-005F	-.0004	.1583	-.0040	.0681	-.0003	18.26
118	0407309-001HDL	.0001	.2296	-.0011	.0030	-.0002	.7248
119	0407309-001HPDS	.0990	10.50	1.011	.9901	.9982	11.68
120	LCS-47535	.0121	10.81	.0060	16.71	.0002	9.434
121	MB-47535	-.0002	.1991	.0035	.0080	-.0001	.0494
122	0407322-001A	.0010	8.425	.0204	34.28	.0006	1.959
123	CCV	.0983	10.13	1.003	.9991	.9975	10.01
124	CCB	.0002	-.0264	-.0049	.0051	.0002	-.0118
125	0407322-002A	.0000	2.932	-.0000	.1346	.0002	3.942
126	0407322-003A	.0005	6.241	.0047	28.82	.0001	5.043
127	0407322-004A	.0014	4.930	.0034	.0506	-.0000	.7544
128	0407322-005A	.0009	8.574	.0183	63.10	.0003	1.859
129	0407322-006A	.0012	6.199	-.0030	.2062	.0001	1.325
130	0407322-007A	.0017	1.143	.0267	14.48	-.0003	1.132
131	0407322-008A	.0029	4.805	.0409	22.09	-.0001	4.188
132	0407322-009A	.0037	2.882	.0592	30.65	-.0003	4.510
133	0407322-010A	.0016	9.079	.0004	17.97	-.0001	15.98
134	0407322-011A	.0005	6.777	-.0005	.1575	-.0001	28.07
135	CCV2	.2002	20.29	2.034	1.980	2.025	20.06
136	CCB2	.0008	-.0211	.0008	.0021	.0006	-.0056
137	0407322-012A	.0034	12.27	-.0015	21.54	.0004	22.48
138	0407322-013A	.0015	8.868	.0067	4.514	.0001	27.74
139	LCS-47534	.0905	9.304	.9382	.9346	.9452	10.71
140	MB-47534	-.0004	.1770	.0036	.0024	.0002	.0402
141	0406F09-002A	-.0010	274.4	.2030	3.410	.0186	71.98
142	0406F09-002ADUP	-.0012	282.7	.1805	3.380	.0180	70.91
143	0406F09-002AMS	.0901	291.7	1.101	4.373	.9589	78.82
144	0406F09-004A	-.0003	175.3	.6779	2.226	.0098	53.91
145	0406F09-006A	.0004	134.0	.1391	2.030	.0084	43.58
146	0406F09-008A	-.0010	238.7	.1989	2.681	.0128	73.11
147	CCV1	.0979	10.03	1.016	.9952	1.003	10.03
148	CCB1	.0000	.0112	.0008	.0007	.0002	-.0008
149	0406F09-009B	-.0011	253.7	56.59	4.281	.0137	67.04
150	0406F09-010B	.0003	290.6	29.60	2.451	.0189	87.64
151	0407035-001B	.0003	233.3	28.90	4.245	.0110	78.64
152	0407035-002B	.0024	336.2	15.77	5.167	.0179	280.7
153	0407035-003B	.0020	242.4	7.374	6.529	.0161	80.42
154	0407035-004B	-.0007	219.7	9.612	4.428	.0134	67.46
155	0407035-005B	.0025	265.9	3.625	3.475	.0131	484.1
156	0406F09-002ADL	.0001	58.82	.0464	.7510	.0036	16.77
157	0406F09-002APDS	.4634	182.9	4.745	6.041	4.554	81.50
158	ICSA	.0002	268.6	.0027	.0022	.0008	228.4
159	ICSAB	.0500	276.9	.4984	.4769	.4983	235.2
160	CCV2	.2030	20.80	2.072	2.012	2.044	20.49
161	CCB2	.0012	.0181	.0048	.0009	.0004	.0341

#	Sample Name	Ag	Al	As	Ba	Be	Ca
162	STD1-BLANK	.04899	.29398	-.00049	.02549	-.13449	.16199
163	ICAL	2.28488	12.3734	1.9704	27.5806	12.1259	26.2202
164	ICAL2	4.35328	22.9774	3.78431	51.9119	23.1858	49.0965
165	ICV	.0510	5.158	.5135	.5182	.5147	5.180
166	ICB	-.0021	-.0351	.0001	-.0001	.0000	-.0219
167	LCS-47520	.0953	9.472	.9645	.9649	.9711	9.782
168	MB-47520	-.0011	-.0355	.0000	-.0001	.0001	-.0050
169	0407302-003C	.0218	221.6	.1062	2.712	.0262	385.7
170	0407302-003CDUP	.0168	224.5	.0867	2.671	.0267	416.5
171	0407302-003CMS	.1085	220.6	1.004	3.505	.9463	395.9
172	0407302-001D	.0026	239.8	.0814	2.047	.0106	81.93
173	0407302-005C	-.0034	243.8	.0434	1.847	.0128	21.28
174	0407302-007C	.0021	150.2	.0610	1.158	.0094	92.10
175	0407303-001B	-.0018	247.3	.0638	1.079	.0081	17.66
176	0407303-002B	-.0014	950.5	.0438	1.621	.0169	10.41
177	CCV	.0987	9.963	.9785	.9797	.9826	9.806
178	CCB	-.0029	.0752	-.0001	.0001	.0001	-.0154
179	0407303-003B	-.0020	926.5	.0493	1.319	.0131	16.16
180	0407303-004B	-.0027	331.7	.1503	1.334	.0136	10.60
181	0407303-005B	-.0005	128.1	.1100	.4208	.0033	8.469
182	0407303-006A	-.0011	419.7	.0604	1.034	.0081	7.257
183	0407303-007B	-.0023	279.2	.0601	.7451	.0079	7.822
184	0407303-008B	-.0143	273.5	.0929	1.447	.0245	6.084
185	0407303-010B	-.0016	1257.	.0397	2.186	.0219	2.767
186	0407303-012B	-.0028	923.5	.0400	1.526	.0147	8.195
187	0407314-001A	-.0015	403.6	.0523	1.742	.0128	16.33
188	0407302-003CDL	.0029	49.46	.0254	.6011	.0053	89.20
189	CCV1	Q.1001	Q10.20	Q.9962	Q.9978	Q.9980	Q10.03
190	CCB1	-.0002	.0322	-.0030	.0001	-.0001	-.0080
191	0407302-003CPDS	.4954	158.6	4.723	5.699	4.558	243.9
192	0407302-003C 10X	.0018	24.65	.0107	.3070	.0039	45.65
193	0407302-003CDUP 10X	.0016	25.81	.0089	.3092	.0032	51.15
194	0407302-003CMS 10X	.0111	25.40	.1158	.4118	.1070	49.18
195	0407302-001D 10X	-.0001	26.46	.0071	.2304	.0009	9.341
196	0407302-005C 10X	-.0010	26.23	.0075	.2038	.0011	2.339
197	0407302-007C 10X	-.0013	15.88	.0053	.1258	.0006	10.22
198	ICSA	-.0006	260.8	-.0027	-.0001	-.0003	222.2
199	ICSAB	.0504	270.3	.4980	.4674	.4906	230.9
200	CCV1	.0990	9.984	.9942	.9861	.9865	9.966
201	CCB1	-.0005	.0176	-.0023	.0000	.0001	.0220

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
1	STD1-BLANK	.01049	-.00199	.09599	.17549	.01049	43.3043
2	ICAL	33.4448	3.25383	17.2516	14.1763	11.3454	92.9394
3	ICAL2	64.0553	6.22918	32.9924	26.9816	21.8304	146.722
4	CKSTD	.9782	.9751	.9770	.9766	9.790	10.17
5	ICV	.5037	.5027	.5034	.5002	5.038	4.899
6	ICB	.0001	-.0000	.0000	-.0003	-.0025	.0648
7	CRI	.0099	.0098	.0099	.0116	.1050	.1216
8	CRI2	.1061	.1049	.1047	.1014	1.426	.9707
9	ICSA	.0013	.0016	-.0011	-.0032	92.81	-.1312
10	ICSAB	.4710	.4582	.4720	.4893	98.74	Q5.961

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
11	CCV	.9962	.9852	.9890	.9836	10.01	10.34
12	CCB	.0006	.0001	-.0000	-.0028	.0070	.1035
13	LCS-47473	1.010	.9861	1.005	.9997	10.14	10.21
14	MB-47473	.0009	.0006	.0065	-.0026	.0155	.0097
15	0407228-026A	.0665	.2692	1.663	13.90	1906.	181.4
16	0407228-026ADUP	.0686	.2741	1.696	14.25	1964.	184.2
17	0407228-026AMS	.8958	1.091	2.586	15.03	1970.	190.7
18	0407226-015A	.0259	.0368	.3481	1.712	183.4	17.63
19	0407226-016A	.0235	.0341	.3361	1.692	175.3	16.93
20	0407238-002A	.0047	.0070	.0868	.6493	26.47	3.813
21	0407238-003A	.0202	.0237	1.906	2.817	129.7	12.91
22	0407239-003A	.0121	.0106	1.039	1.966	74.25	16.39
23	CCV	.9838	.9728	.9768	.9733	9.893	10.15
24	CCB	.0004	.0003	-.0001	-.0030	.0038	.1312
25	0407239-004A	.0232	.0271	1.522	3.983	135.8	13.01
26	0407253-001B	.0053	.1028	.3361	.1760	289.8	38.04
27	0407253-002B	.0058	.1097	.2856	.2133	300.9	18.65
28	0407253-003B	.0050	.1333	.3246	.2650	319.9	25.93
29	0407253-004B	.0111	.2870	.6283	.2753	519.1	114.2
30	0407253-005B	.0077	.1543	.4836	.2646	418.7	72.29
31	0407253-006B	.0138	.1269	.2784	1.686	448.0	19.10
32	0407253-007B	.0067	.1451	.3566	.2691	294.3	38.14
33	0407253-008B	.0003	.0066	.0618	.0298	33.83	1.824
34	0407279-001B	.0290	.0694	.1633	1.803	172.3	38.38
35	CCV	.9763	.9715	.9753	.9791	9.946	9.966
36	CCB	.0005	.0003	-.0001	-.0027	.0288	.0176
37	0407253-001B 10X	.0007	.0115	.0361	.0165	31.63	3.416
38	0407253-003B 10X	.0004	.0148	.0348	.0259	34.73	2.365
39	0407253-004B 10X	.0008	.0348	.0728	.0308	60.80	12.95
40	0407253-005B 10X	.0008	.0179	.0543	.0286	47.40	7.521
41	0407253-007B 10X	.0008	.0163	.0397	.0287	33.14	3.746
42	ICSA	.0013	.0010	-.0016	-.0035	90.55	-.1352
43	ICSAB	.4522	.4436	.4563	.4757	95.25	Q5.694
44	CCV1	.9751	.9705	.9738	.9780	9.867	9.745
45	CCB1	.0005	.0004	.0002	-.0028	.0112	.0454
46	STD1-BLANK	.01649	.00099	.08249	.13899	-.01449	43.7678
47	ICAL	32.9348	3.19534	16.9642	13.7853	11.2449	93.3578
48	ICAL2	64.5123	6.20768	32.9549	26.6522	21.8714	147.116
49	ICV	.4998	.5001	.4998	.5032	5.003	Q4.674
50	ICB	.0001	-.0008	.0006	.0004	.0089	.0447
51	LCS-47492	1.016	.9962	1.000	.9935	10.16	10.31
52	MB-47492	.0004	.0000	.0006	-.0014	.0165	.0478
53	0407011-001C	.0001	-.0004	.0021	-.0005	.0207	.2894
54	0407011-001CDUP	-.0002	-.0006	.0012	-.0015	-.0018	.2223
55	0407011-001CMS	1.011	.9826	1.002	.9861	10.13	11.14
56	0407011-002C	.0006	-.0002	.0016	.0010	.0156	.2830
57	0407011-003C	-.0000	-.0000	.0012	.0009	.0056	.2773
58	0407011-004C	-.0000	-.0007	-.0001	-.0023	.5807	.1022
59	0407011-005C	.0001	-.0009	.0018	-.0020	.0081	.5921
60	0407011-006C	.0000	.0027	.0003	-.0031	1.621	.5613
61	CCV	.9963	.9839	.9871	.9780	9.901	10.34
62	CCB	.0004	-.0007	.0006	-.0027	.0059	.0843
63	0407011-007C	.0001	-.0007	.0004	-.0021	-.0017	.3717
64	0407011-008C	-.0001	-.0008	.0002	-.0014	.0390	.5032

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
65	0407011-009C	-.0001	-.0008	.0005	-.0019	.0186	.6052
66	0407011-010C	-.0002	-.0003	.0012	-.0004	.1907	.4706
67	0407011-011C	-.0001	-.0005	.0028	-.0019	.0088	.2545
68	0407011-012C	.0000	-.0002	.0004	-.0016	1.562	.3868
69	0407011-013C	-.0002	-.0005	.0003	-.0028	.6090	.4471
70	0407011-014C	-.0002	-.0007	.0024	.0001	.0042	.1676
71	0407011-015C	.0000	-.0011	.0003	-.0019	.0388	.5261
72	0407011-001CDL	.0001	-.0001	.0001	-.0026	.0028	.2018
73	CCV	.9879	.9721	.9763	.9679	9.770	10.24
74	CCB	.0003	-.0003	.0007	-.0019	.0125	.1405
75	0407011-001CPDS	.9649	.9469	.9609	.9627	9.621	10.46
76	LCS-47519	1.013	.9800	.9899	.9853	10.02	10.30
77	MB-47519	.0005	-.0007	.0007	-.0005	.0078	.1857
78	0407257-002D	.0002	.0005	.0273	.0538	.3696	8.634
79	0407257-002DDUP	-.0001	.0001	.0268	.0604	.3604	9.100
80	0407257-002DMS	.8521	.8267	.8567	.8777	8.821	22.15
81	0407236-001E	.0002	-.0003	.0017	.0196	.3858	2.853
82	0407265-002A	.0040	.0957	.0032	.0239	398.4	3.248
83	0407280-001C	.0006	.1227	.0160	.0171	45.96	13.05
84	0407333-001A	-.0001	.0004	.0007	.0041	.3421	21.41
85	CCV	.9897	.9779	.9822	.9749	9.879	10.28
86	CCB	.0001	-.0002	.0002	-.0018	.0307	.1333
87	0407333-002A	.0002	.0009	.0036	.0626	2.709	15.24
88	0407333-003A	.0001	.0003	.0015	.0372	2.317	6.491
89	0407333-004A	.0007	.0003	.0150	.0748	10.62	132.5
90	0407257-002DDL	-.0001	-.0005	.0057	.0118	.0943	2.185
91	0407257-002DPDS	.8809	.8817	.8871	.9125	9.052	17.73
92	ICSA	.0012	.0017	-.0003	-.0007	90.00	-.1498
93	ICSAB	.4515	.4426	.4548	.4770	94.22	Q5.646
94	CCV	.9766	.9794	.9769	.9892	9.818	9.619
95	CCB	.0005	-.0008	-.0000	-.0015	.0156	.0270
96	STD1-BLANK	.01899	-.00649	.08199	.14899	.02299	44.0118
97	ICAL	32.0309	3.11334	16.5402	13.3998	10.9115	92.0314
98	ICAL2	63.0014	6.13619	32.4064	26.5782	21.4984	140.559
99	ICV	.5039	.5064	.5035	.4999	5.035	4.936
100	ICB	-.0000	.0012	.0009	.0008	-.0066	-.0140
101	LCS-47531	.9902	.9777	.9799	.9785	9.920	10.15
102	MB-47531	.0003	.0009	.0009	.0002	-.0094	.0888
103	0407309-001H	.0003	.0017	.0012	-.0007	21.00	4.215
104	0407309-001HDUP	.0000	.0002	.0005	-.0023	20.43	4.129
105	0407309-001HMS	1.004	.9903	.9952	.9934	30.30	15.47
106	0407309-003H	.0005	.0019	.0018	.0001	.1919	1.816
107	0407309-005H	.0002	.0013	.0020	.0037	2.398	6.986
108	0407299-004B	.0016	.0408	.0462	.1591	67.41	11.03
109	0407299-005B	.0001	.0204	.0167	.0527	26.34	1.987
110	0407299-006B	.0028	.0751	.1323	.5555	162.5	15.30
111	CCV1	1.004	1.005	1.005	.9975	10.14	10.72
112	CCB1	.0002	.0010	.0000	-.0018	.0146	.0407
113	0407303-014B	.0030	.0607	.0834	.1265	183.4	59.64
114	0407303-014C	.0000	.0012	-.0021	.0078	.1123	2.163
115	0407309-001F	.0003	.0014	-.0011	.0157	20.79	5.544
116	0407309-003F	-.0001	.0010	-.0023	.0116	.1808	2.632
117	0407309-005F	-.0002	.0009	-.0011	.0088	1.619	9.667
118	0407309-001HDL	-.0002	.0001	-.0000	-.0016	4.224	.9892

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
119	0407309-001HPDS	.9971	.9990	.9982	.9972	20.20	13.35
120	LCS-47535	1.070	.0269	4.463	.2099	12.24	.7256
121	MB-47535	.0003	.0007	.0065	-.0013	-.0018	.2031
122	0407322-001A	.0530	.0189	9.151	.0602	27.86	1.248
123	CCV	.9976	.9986	.9975	.9889	9.984	10.74
124	CCB	.0004	.0005	.0010	-.0012	-.0078	.0161
125	0407322-002A	.0532	.0024	1.823	.0852	10.31	1.103
126	0407322-003A	.1782	.0117	7.649	.0434	9.293	1.550
127	0407322-004A	.2226	.0016	3.142	.0414	3.332	1.643
128	0407322-005A	.0546	.0297	21.54	.0553	24.74	1.142
129	0407322-006A	.1999	.0017	2.990	.0730	6.000	1.871
130	0407322-007A	.0175	.0351	2.462	.2053	889.4	.3614
131	0407322-008A	.0428	.0651	1.900	.4125	1657.	6.997
132	0407322-009A	.0456	.0933	3.739	.5633	2501.	.9845
133	0407322-010A	.0001	.0080	.0213	.1255	4.471	.6872
134	0407322-011A	.0008	.0882	.0577	.1405	12.22	.5877
135	CCV2	2.008	2.001	2.000	2.024	20.32	21.96
136	CCB2	.0007	.0020	.0012	-.0002	.0311	.1106
137	0407322-012A	.0008	.0161	.0374	.1931	2.511	.8485
138	0407322-013A	.0006	.0554	.0596	.1594	2.794	.6255
139	LCS-47534	.9560	.9447	.9638	.9821	9.688	10.40
140	MB-47534	.0005	.0006	.0088	-.0009	.0112	.2395
141	0406F09-002A	.0086	.1919	.3497	.3995	436.7	41.80
142	0406F09-002ADUP	.0083	.1510	.3616	.3978	430.8	43.63
143	0406F09-002AMS	.9281	1.174	1.282	1.373	460.1	53.24
144	0406F09-004A	.0065	.1106	.2610	.1699	259.5	26.76
145	0406F09-006A	.0051	.1397	.1947	.2465	235.9	25.69
146	0406F09-008A	.0075	.0958	.3165	.3143	351.7	35.75
147	CCV1	1.001	.9968	.9942	1.001	10.20	10.41
148	CCB1	.0002	.0007	.0004	-.0018	.0556	.0507
149	0406F09-009B	.0077	.1581	.3194	.3056	360.7	-18.60
150	0406F09-010B	.0128	.2197	.4037	.4499	491.0	31.08
151	0407035-001B	.0117	.1260	.3203	.3116	323.4	12.53
152	0407035-002B	.0206	.0988	.4566	.3732	338.2	71.05
153	0407035-003B	.0184	.2254	.3554	.4689	411.4	49.02
154	0407035-004B	.0093	.1503	.3038	.3383	343.1	29.67
155	0407035-005B	.0193	.0906	.4336	.3144	308.8	69.07
156	0406F09-002ADL	.0014	.0422	.0746	.0867	93.38	8.206
157	0406F09-002APDS	4.499	4.571	4.718	4.885	263.3	71.64
158	ICSA	.0022	.0037	.0003	-.0003	94.61	-.0635
159	ICSAB	.4831	.4700	.4805	.5017	100.7	Q6.307
160	CCV2	2.041	2.012	2.026	2.029	20.56	Q22.94
161	CCB2	.0009	.0011	.0002	-.0014	.0165	.0839
162	STD1-BLANK	.03599	-.00349	.06799	.13849	.00749	45.0147
163	ICAL	33.2628	3.21283	16.9811	13.7153	11.3054	95.2942
164	ICAL2	62.4999	6.05519	31.9454	26.1027	21.2604	141.873
165	ICV	.5185	.5164	.5164	.5133	5.169	5.100
166	ICB	.0001	.0000	.0012	.0014	.0072	.0489
167	LCS-47520	.9820	.9687	.9882	.9887	9.855	9.623
168	MB-47520	-.0001	-.0001	.0072	-.0019	.0129	-.0758
169	0407302-003C	.0927	.1238	1.210	7.379	745.9	57.59
170	0407302-003CDUP	.0873	.1185	1.202	5.173	617.4	57.63
171	0407302-003CMS	.9663	.9831	2.235	6.521	702.6	62.32
172	0407302-001D	.0377	.1413	.5132	1.835	484.6	42.98

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
173	0407302-005C	.0211	.2173	.7401	.9464	609.5	120.3
174	0407302-007C	.0345	.0884	.6402	.9114	369.6	36.67
175	0407303-001B	.0383	.0996	.4429	.8744	525.9	44.94
176	0407303-002B	.0136	.1730	.3302	.5716	991.1	82.16
177	CCV	.9786	.9741	.9776	.9857	10.12	10.04
178	CCB	-.0001	.0006	.0013	-.0005	H.1417	-.0250
179	0407303-003B	.0098	.1235	.2550	.3063	848.9	69.23
180	0407303-004B	.0209	.1412	1.140	1.400	942.3	78.34
181	0407303-005B	.0179	.0799	.4752	1.757	749.9	14.46
182	0407303-006A	.0322	.1036	.2687	1.019	538.9	47.15
183	0407303-007B	.0117	.0896	2.158	1.030	507.2	38.78
184	0407303-008B	.0034	.0629	.0803	.2621	316.3	107.5
185	0407303-010B	.0161	.2010	.2782	.5959	1286.	104.4
186	0407303-012B	.0094	.1374	.1768	.3549	846.5	76.20
187	0407314-001A	.0167	.1612	.5734	.6547	595.6	71.85
188	0407302-003CDL	.0195	.0270	.2622	1.548	161.9	11.85
189	CCV1	Q.9965	Q.9864	Q.9945	Q.9941	Q10.22	Q10.51
190	CCB1	-.0003	.0005	.0009	-.0018	.0908	.0104
191	0407302-003CPDS	4.456	4.456	5.113	8.409	422.7	77.76
192	0407302-003C 10X	.0109	.0150	.1344	.7822	81.39	5.497
193	0407302-003CDUP 10X	.0101	.0147	.1369	.5567	69.39	5.882
194	0407302-003CMS 10X	.1146	.1145	.2570	.7167	79.90	6.397
195	0407302-001D 10X	.0038	.0153	.0565	.1921	53.02	4.287
196	0407302-005C 10X	.0020	.0240	.0795	.0966	64.43	13.25
197	0407302-007C 10X	.0033	.0089	.0693	.0933	39.40	3.478
198	ICSA	.0005	.0019	-.0000	-.0017	91.45	-.1663
199	ICSAB	.4721	.4584	.4719	.4947	98.44	Q5.807
200	CCV1	.9841	.9723	.9796	.9859	9.891	10.18
201	CCB1	.0004	.0003	.0004	-.0018	.0186	.0395

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
1	STD1-BLANK	.03199	.00699	.02199	.12049	.04499	.02099
2	ICAL	23.4403	13.5128	1.30443	13.0343	15.8997	16.7432
3	ICAL2	44.7987	25.8672	2.69086	24.8983	30.318	32.3514
4	CKSTD	9.766	.9767	10.13	.9780	.9782	.9809
5	ICV	Q5.056	.5053	5.006	.5026	.5058	.5038
6	ICB	.0013	.0002	-.1622	-.0021	.0010	.0003
7	CRI	.1036	.0110	.0089	.0160	.0113	.0090
8	CRI2	2.034	.1104	.9373	.1014	.1086	.1059
9	ICSA	237.2	.0036	.0599	-.0050	-.0702	.0318
10	ICSAB	243.9	.4802	5.380	.4549	.3936	.4956
11	CCV	10.06	.9911	10.20	.9880	.9847	.9826
12	CCB	.0356	.0004	.0624	-.0056	.0039	-.0007
13	LCS-47473	10.03	.9965	10.51	.9959	.9835	.9726
14	MB-47473	.0107	.0005	.1099	-.0066	.0047	.0003
15	0407228-026A	231.6	40.68	41.98	.9401	2.259	2.439
16	0407228-026ADUP	236.7	41.48	42.40	.9616	2.262	2.476
17	0407228-026AMS	245.7	41.88	52.43	1.771	3.040	3.222
18	0407226-015A	18.44	4.527	8.471	.2063	.4980	.5142
19	0407226-016A	17.75	4.323	10.63	.2056	.5785	.5955
20	0407238-002A	2.283	.9295	18.70	.0327	.0277	.1138
21	0407238-003A	12.88	1.459	20.59	.1568	.7344	.8313

#	Sample Name		Mg	Mn	Na	Ni	2203/1	2203/2
22	0407239-003A		8.121	4.484	12.61	.0432	.3606	.3862
23	CCV		9.778	.9767	10.12	.9744	.9692	.9667
24	CCB		.0038	.0009	-.1660	-.0061	.0011	-.0008
25	0407239-004A		11.47	4.336	14.01	.1814	.9268	1.006
26	0407253-001B		105.5	5.957	16.88	.2394	.0897	.2071
27	0407253-002B		33.87	2.068	7.824	.1185	7.365	7.514
28	0407253-003B		31.32	23.57	8.997	.1862	.5312	.6319
29	0407253-004B		221.2	14.07	24.92	.4850	.2052	.3728
30	0407253-005B		161.2	7.651	21.71	.3523	.1436	.2933
31	0407253-006B		42.74	9.522	19.58	.3146	1.611	1.670
32	0407253-007B		74.91	18.93	14.76	.2348	6.155	6.324
33	0407253-008B		3.278	.1620	10.03	.0068	.0539	.0682
34	0407279-001B		54.55	5.155	9.919	.1786	.6383	.6594
35	CCV		9.728	.9753	9.983	.9733	.9642	.9762
36	CCB		.0143	.0011	-.0016	-.0055	-.0005	-.0009
37	0407253-001B	10X	11.90	.6618	1.645	.0224	.0107	.0251
38	0407253-003B	10X	3.555	2.696	.9228	.0163	.0634	.0667
39	0407253-004B	10X	26.82	1.688	3.015	.0580	.0181	.0485
40	0407253-005B	10X	18.85	.8819	2.409	.0419	.0164	.0343
41	0407253-007B	10X	8.798	2.224	1.591	.0276	.7288	.7417
42	ICSA		228.7	.0043	-.0798	-.0041	-.0638	.0257
43	ICSAB		232.2	.4630	5.291	.4380	.3788	.4783
44	CCV1		9.774	.9740	9.478	.9756	.9493	.9755
45	CCB1		.0298	.0003	-.1468	-.0065	.0027	-.0009
46	STD1-BLANK		.02499	0	.00699	.10199	.14499	-.01649
47	ICAL		23.0448	13.3453	1.30743	12.8598	15.4207	16.5132
48	ICAL2		44.6588	25.9037	2.70186	24.8328	30.0115	31.9399
49	ICV		Q5.009	.5002	4.808	.5006	.4979	.5030
50	ICB		.0016	.0005	.0953	-.0014	.0009	.0003
51	LCS-47492		10.13	.9938	10.38	1.007	.9952	.9971
52	MB-47492		.0050	.0006	.2764	-.0052	-.0004	-.0011
53	0407011-001C		3.602	.0004	3.032	-.0046	-.0033	.0001
54	0407011-001CDUP		3.475	.0002	2.838	-.0050	-.0003	.0015
55	0407011-001CMS		13.60	.9924	13.74	.9898	.9892	.9903
56	0407011-002C		3.271	.0005	2.374	-.0043	-.0001	.0016
57	0407011-003C		3.237	.0004	2.190	-.0048	-.0028	-.0001
58	0407011-004C		1.725	.0157	2.446	-.0046	-.0021	.0021
59	0407011-005C		4.333	-.0000	2.639	-.0059	-.0013	-.0005
60	0407011-006C		7.070	.0794	2.982	-.0030	-.0032	-.0013
61	CCV		9.963	.9871	10.04	.9856	.9834	.9960
62	CCB		.0088	.0006	.1943	-.0047	.0024	-.0018
63	0407011-007C		8.830	.0002	2.527	-.0054	-.0009	-.0003
64	0407011-008C		3.924	.0155	2.568	-.0050	.0002	-.0022
65	0407011-009C		7.556	.0028	2.502	-.0054	.0017	.0006
66	0407011-010C		.8098	.0071	2.571	-.0054	.0019	-.0005
67	0407011-011C		4.306	.0000	3.661	-.0058	-.0004	-.0001
68	0407011-012C		17.16	.0629	3.468	-.0049	-.0000	.0007
69	0407011-013C		13.35	.0779	3.304	-.0056	-.0023	-.0017
70	0407011-014C		5.984	.0001	1.707	-.0046	-.0007	.0014
71	0407011-015C		3.964	.0157	2.761	-.0051	.0081	-.0031
72	0407011-001CDL		.7417	.0005	.6562	-.0049	-.0038	.0004
73	CCV		9.880	.9785	9.900	.9735	.9859	.9758
74	CCB		.0089	.0005	.0658	-.0051	-.0025	.0025
75	0407011-001CPDS		11.34	.9558	12.15	.9506	.9562	.9557

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
76	LCS-47519	10.10	.9832	11.23	1.001	.9877	.9679
77	MB-47519	.0120	.0006	.6114	.0009	.0021	-.0036
78	0407257-002D	1.477	.0182	2399.	.0443	-.0007	.0014
79	0407257-002DDUP	1.531	.0186	2418.	.0443	-.0007	-.0001
80	0407257-002DMS	9.376	.8534	2475.	.8742	.8210	.8194
81	0407236-001E	1.434	.0124	7.252	-.0027	.0017	.0012
82	0407265-002A	5.424	13.70	6.529	.0208	.0132	.0091
83	0407280-001C	8.080	46.84	80.10	.0453	.0071	.0178
84	0407333-001A	2.483	.1311	53.71	.0032	.0018	.0006
85	CCV	9.878	.9867	10.07	.9806	.9800	.9771
86	CCB	.0038	.0034	.0902	-.0051	-.0047	-.0004
87	0407333-002A	2.619	.1830	83.48	.0113	.0053	.0057
88	0407333-003A	2.776	.2539	33.96	-.0047	.0021	.0025
89	0407333-004A	2.776	.0801	80.69	.0137	.0143	.0133
90	0407257-002DDL	.3566	.0048	603.5	.0063	-.0003	-.0017
91	0407257-002DPDS	9.084	.8902	1400.	.8997	.8862	.8788
92	ICSA	230.3	.0038	.4530	-.0032	-.0691	.0326
93	ICSAB	232.6	.4606	5.344	.4377	.3806	.4852
94	CCV	9.841	.9745	9.597	.9811	.9644	.9838
95	CCB	.0346	.0006	.0579	-.0055	-.0005	-.0015
96	STD1-BLANK	.09099	0	.00099	.11499	.04199	.02699
97	ICAL	22.3874	13.0383	1.26993	12.4839	15.2742	16.1817
98	ICAL2	43.7053	25.5067	2.55887	24.5493	29.5295	31.5899
99	ICV	Q5.053	.5054	5.004	.5022	.5096	.4999
100	ICB	-.0109	.0007	-.1975	-.0023	-.0017	.0041
101	LCS-47531	9.854	.9729	10.67	.9922	.9688	.9653
102	MB-47531	-.0008	.0008	.7126	-.0002	.0036	-.0005
103	0407309-001H	1.076	.0172	12.38	-.0047	-.0045	.0022
104	0407309-001HDUP	1.035	.0163	12.17	-.0050	.0014	-.0012
105	0407309-001HMS	10.96	1.003	24.24	.9997	.9886	.9856
106	0407309-003H	1.132	.0112	10.53	-.0051	.0010	-.0022
107	0407309-005H	3.021	.1959	12.93	-.0045	.0039	.0002
108	0407299-004B	11.95	2.355	11.24	.0065	.0501	.0634
109	0407299-005B	2.370	.8143	10.93	-.0004	.0099	.0125
110	0407299-006B	19.01	2.428	15.12	.0310	.0582	.1010
111	CCV1	10.06	1.004	10.80	1.007	1.003	1.007
112	CCB1	-.0106	.0008	.0425	-.0056	.0042	-.0033
113	0407303-014B	41.16	5.570	16.87	.0413	.0770	.1581
114	0407303-014C	.9249	.1301	13.37	-.0042	.0031	-.0005
115	0407309-001F	1.137	.0213	21.59	-.0042	.0021	.0034
116	0407309-003F	1.194	.0148	19.21	-.0049	.0048	-.0028
117	0407309-005F	3.185	.2026	21.60	-.0028	.0038	.0005
118	0407309-001HDL	.2229	.0040	3.336	-.0058	.0004	.0000
119	0407309-001HPDS	10.50	1.003	18.28	1.002	.9940	.9967
120	LCS-47535	2.151	.2005	8.425	.0302	13.86	13.78
121	MB-47535	.0029	.0003	.9199	-.0060	.0112	.0040
122	0407322-001A	2.501	1.662	64.47	.0226	9.255	9.256
123	CCV	10.01	.9956	10.55	.9986	1.008	1.005
124	CCB	-.0084	.0007	.0330	-.0058	.0042	.0014
125	0407322-002A	.2497	.1116	68.30	.0389	7.732	7.740
126	0407322-003A	1.518	.5031	97.55	.0082	12.29	12.23
127	0407322-004A	.2571	.0607	109.1	.0089	14.55	14.52
128	0407322-005A	3.992	.9694	44.04	.0141	5.961	5.966
129	0407322-006A	.2572	.1077	113.0	.0390	13.85	13.76

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
130	0407322-007A	.5036	2.727	22.11	.0767	.3560	.3509
131	0407322-008A	1.213	5.245	93.82	.1608	1.413	1.388
132	0407322-009A	1.410	7.450	39.07	.2132	.7335	.7112
133	0407322-010A	2.318	.0259	6.168	.0050	.0357	.0397
134	0407322-011A	1.245	.1521	7.487	.0042	.2619	.2605
135	CCV2	20.03	1.991	21.67	2.009	2.012	2.000
136	CCB2	-.0054	.0011	.2329	-.0054	.0001	.0013
137	0407322-012A	2.139	.0356	10.14	.0070	.1267	.1305
138	0407322-013A	1.381	.0866	7.744	.0032	.2928	.2973
139	LCS-47534	9.585	.9505	16.13	.9554	.9418	.9360
140	MB-47534	.0047	.0007	.7614	-.0061	.0024	-.0020
141	0406F09-002A	76.45	10.25	6.790	.4136	.2022	.3170
142	0406F09-002ADUP	77.78	8.292	11.78	.3914	.1802	.2927
143	0406F09-002AMS	87.98	17.66	18.70	1.379	1.124	1.239
144	0406F09-004A	46.17	6.444	11.98	.3098	.1180	.1799
145	0406F09-006A	40.02	6.436	10.36	.2809	.1369	.1858
146	0406F09-008A	68.07	4.402	10.00	.3317	.1171	.1984
147	CCV1	10.06	.9928	10.27	1.001	.9991	.9910
148	CCB1	.0046	.0021	-.0561	-.0058	.0019	.0004
149	0406F09-009B	64.90	7.140	33.87	.3383	.1676	.2664
150	0406F09-010B	95.83	16.76	23.38	.5438	.2164	.3295
151	0407035-001B	56.07	4.573	28.86	.2652	.2174	.2968
152	0407035-002B	62.69	4.664	28.22	.2753	.1628	.2933
153	0407035-003B	67.63	12.42	43.05	.4493	.3089	.3941
154	0407035-004B	68.27	7.768	20.04	.3843	.1493	.2391
155	0407035-005B	147.9	4.250	14.13	.2470	.1683	.2578
156	0406F09-002ADL	16.77	2.213	3.675	.0862	.0473	.0680
157	0406F09-002APDS	83.72	9.522	61.36	4.703	4.603	4.639
158	ICSA	242.6	.0071	-.0062	-.0032	-.0633	.0311
159	ICSAB	250.7	.4858	5.535	.4650	.4071	.5093
160	CCV2	20.47	2.012	Q22.29	2.027	2.032	2.034
161	CCB2	.0332	.0011	.2379	-.0060	.0085	-.0024
162	STD1-BLANK	.11099	.01249	.00999	.10149	.22148	-.00399
163	ICAL	23.4043	13.3483	1.28493	12.9018	15.6762	16.5507
164	ICAL2	43.4808	25.0797	2.52087	24.2308	29.5555	31.2814
165	ICV	Q5.197	.5177	5.049	.5161	.5180	.5193
166	ICB	-.0173	.0001	.0956	-.0011	-.0018	-.0001
167	LCS-47520	9.823	.9773	10.46	.9760	.9687	.9679
168	MB-47520	-.0142	-.0001	.1990	-.0058	-.0019	.0008
169	0407302-003C	121.1	9.043	6.739	.6678	8.214	8.260
170	0407302-003CDUP	122.3	8.693	6.786	.6014	6.872	6.893
171	0407302-003CMS	128.8	9.510	16.34	1.393	7.866	7.938
172	0407302-001D	34.38	7.316	1.831	.2281	4.217	4.271
173	0407302-005C	86.09	7.285	2.351	.3969	1.332	1.420
174	0407302-007C	25.36	3.419	2.895	.2155	3.608	3.623
175	0407303-001B	33.87	9.754	10.44	.3008	.4490	.5398
176	0407303-002B	71.96	6.006	10.56	.1345	.2518	.5003
177	CCV	9.794	.9762	10.09	.9768	.9767	.9822
178	CCB	.0000	.0014	-.3031	-.0050	-.0097	.0005
179	0407303-003B	52.54	5.462	12.39	.0952	.1621	.3681
180	0407303-004B	56.33	16.69	10.90	.5198	.3226	.4507
181	0407303-005B	13.17	10.50	8.390	.3683	.6934	.7456
182	0407303-006A	36.89	28.74	9.994	.4868	.2658	.4030
183	0407303-007B	28.12	8.761	8.349	.6109	.2798	.3869

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
184	0407303-008B	72.88	19.57	12.08	.0489	.0942	.2317
185	0407303-010B	87.87	6.795	13.03	.1333	.3219	.5937
186	0407303-012B	59.12	5.376	9.672	.0715	.1485	.3937
187	0407314-001A	65.23	6.314	10.12	.1354	1.670	1.794
188	0407302-003CDL	26.79	1.982	1.191	.1425	1.821	1.836
189	CCV1	Q9.981	Q.9940	Q10.39	Q.9871	1.005	.9969
190	CCB1	-.0032	.0008	.0142	-.0051	-.0006	.0001
191	0407302-003CPDS	106.5	8.980	57.18	4.754	8.568	8.555
192	0407302-003C 10X	13.65	1.008	.7645	.0715	.9282	.9397
193	0407302-003CDUP 10X	14.34	.9979	.9059	.0649	.8075	.8049
194	0407302-003CMS 10X	15.30	1.106	1.669	.1598	.9398	.9429
195	0407302-001D 10X	3.940	.8206	.2944	.0210	.4814	.4773
196	0407302-005C 10X	9.424	.7946	.4130	.0384	.1448	.1573
197	0407302-007C 10X	2.841	.3732	.2626	.0185	.3953	.3956
198	ICSA	235.2	.0039	-.0315	-.0034	-.0662	.0292
199	ICSAB	245.7	.4772	5.330	.4553	.3875	.4998
200	CCV1	9.945	.9773	10.03	.9758	.9853	.9844
201	CCB1	.0268	.0002	.0683	-.0052	-.0001	-.0017

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
1	STD1-BLANK	.06299	-.16199	.07049	-.02999	.10849	.01199
2	ICAL	4.17779	18.1026	10.7535	2.19439	4.15629	9.9755
3	ICAL2	7.9976	35.1317	21.3944	4.30728	7.9761	19.3425
4	CKSTD	.9860	.9813	.9956	.9835	.9878	.9824
5	ICV	.5029	.4959	.5036	.5024	.5002	.5030
6	ICB	-.0098	.0021	.0040	-.0022	.0027	.0003
7	CRI	.0042	.0135	.0112	.0078	.0233	.0096
8	CRI2	.0979	.1156	.1097	.1036	.0957	.1041
9	ICSA	-.0120	-.0058	-.0059	-.0044	-.0056	-.0006
10	ICSAB	.4736	.4878	.4803	.4617	.4847	.4857
11	CCV	.9961	1.002	1.004	1.011	1.005	.9987
12	CCB	-.0062	-.0017	.0030	.0049	-.0124	.0001
13	LCS-47473	.9619	.9653	.9718	.9968	1.014	1.029
14	MB-47473	-.0042	.0046	.0029	-.0045	-.0106	.0007
15	0407228-026A	.0349	-.0107	-.0695	-.1261	16.60	4.614
16	0407228-026ADUP	.0262	-.0060	-.0555	-.1328	17.06	4.724
17	0407228-026AMS	.4002	.7217	.6731	.6898	18.51	5.635
18	0407226-015A	.0009	.0133	.0115	-.0172	4.004	.2938
19	0407226-016A	.0117	.0032	.0077	-.0155	3.879	.2789
20	0407238-002A	-.0035	.0029	.0054	-.0060	1.399	.0136
21	0407238-003A	.0375	.0113	.0247	-.0037	9.138	.1456
22	0407239-003A	.0086	.0048	.0098	-.0093	3.450	-.0012
23	CCV	.9937	.9841	.9867	.9910	.9990	.9862
24	CCB	-.0035	.0001	.0048	-.0046	-.0113	-.0004
25	0407239-004A	.0231	.0212	.0187	-.0050	9.122	.0833
26	0407253-001B	-.0120	-.0226	-.0190	-.0245	.5203	.5468
27	0407253-002B	.0036	-.0086	-.0052	-.0127	2.082	.3893
28	0407253-003B	-.0007	-.0309	-.0098	-.0183	.8327	.5513
29	0407253-004B	-.0042	-.0217	-.0338	-.0343	1.164	1.134
30	0407253-005B	-.0112	-.0148	-.0291	-.0277	.8864	.7677
31	0407253-006B	.0233	-.0055	-.0115	-.0342	4.024	.4563
32	0407253-007B	.0981	-.0221	-.0147	-.0168	1.497	.8121

#	Sample Name		Sb	1960/1	1960/2	Tl	Zn	V
33	0407253-008B		-.0040	-.0136	.0009	-.0073	.0243	.1627
34	0407279-001B		-.0054	-.0063	-.0059	-.0133	2.311	.2473
35	CCV		.9835	.9821	.9931	.9852	.9850	.9876
36	CCB		-.0061	.0034	.0002	-.0002	-.0113	.0001
37	0407253-001B	10X	-.0057	-.0068	-.0051	-.0063	.0495	.0579
38	0407253-003B	10X	-.0051	-.0007	-.0089	-.0054	.0838	.0584
39	0407253-004B	10X	-.0074	.0017	-.0056	-.0098	.1416	.1292
40	0407253-005B	10X	-.0082	-.0039	-.0045	-.0084	.1036	.0845
41	0407253-007B	10X	.0066	.0001	-.0018	-.0040	.1739	.0892
42	ICSA		-.0028	.0084	-.0047	-.0102	-.0051	-.0008
43	ICSAB		.4629	.4728	.4551	.4519	.4597	.4707
44	CCV1		.9800	.9679	.9768	.9747	.9820	.9838
45	CCB1		-.0080	-.0001	.0058	-.0007	-.0126	.0001
46	STD1-BLANK		.02899	-.45847	.09249	-.05049	.10549	-.00249
47	ICAL		4.10679	17.7171	10.75	2.14889	4.09029	9.898
48	ICAL2		8.06909	34.8723	21.1004	4.26528	7.9916	19.3835
49	ICV		.4990	.5040	.4945	.5056	.4968	.4987
50	ICB		.0029	.0130	-.0030	.0006	.0028	.0005
51	LCS-47492		.9728	1.017	1.015	1.015	1.018	1.026
52	MB-47492		-.0011	.0034	.0067	.0038	-.0119	.0006
53	0407011-001C		-.0019	.0176	-.0017	.0056	-.0030	.0023
54	0407011-001CDUP		-.0043	.0058	-.0051	-.0057	-.0037	.0018
55	0407011-001CMS		.9755	1.014	1.022	1.009	1.023	1.039
56	0407011-002C		-.0023	.0092	.0010	.0034	.0297	.0020
57	0407011-003C		-.0003	.0081	-.0002	-.0036	.0269	.0015
58	0407011-004C		-.0018	.0092	-.0063	.0020	.1839	.0002
59	0407011-005C		-.0003	.0140	.0007	.0032	-.0030	.0014
60	0407011-006C		.0002	.0102	-.0083	.0017	-.0112	.0005
61	CCV		1.002	1.000	1.021	1.003	1.009	.9934
62	CCB		.0044	.0082	-.0063	-.0030	-.0111	.0009
63	0407011-007C		-.0048	.0091	-.0062	-.0046	-.0037	.0016
64	0407011-008C		.0025	.0060	-.0069	.0006	-.0110	.0017
65	0407011-009C		-.0003	.0134	-.0005	.0049	.0485	.0042
66	0407011-010C		-.0033	.0178	.0099	.0040	.0327	.0099
67	0407011-011C		-.0026	.0121	.0018	-.0000	-.0034	.0017
68	0407011-012C		-.0024	.0122	-.0025	.0010	-.0103	.0006
69	0407011-013C		-.0030	.0128	-.0013	.0002	-.0118	.0015
70	0407011-014C		.0017	.0115	.0011	-.0036	-.0100	.0016
71	0407011-015C		.0018	.0158	-.0164	-.0051	-.0113	.0013
72	0407011-001CDL		-.0043	.0098	.0026	-.0016	-.0097	.0004
73	CCV		.9919	1.001	.9967	.9916	.9997	.9834
74	CCB		.0006	.0071	-.0035	.0034	-.0118	.0007
75	0407011-001CPDS		.9540	.9808	.9799	.9875	.9857	.9717
76	LCS-47519		.9787	1.021	.9931	1.018	1.029	1.014
77	MB-47519		-.0016	.0121	-.0035	.0016	-.0025	.0004
78	0407257-002D		.0043	.0117	-.0039	.0089	.0411	-.0000
79	0407257-002DDUP		.0065	.0130	.0023	.0059	.0458	-.0001
80	0407257-002DMS		.8582	.9006	.9084	.8577	.9371	.8746
81	0407236-001E		.0003	.0145	-.0040	.0016	.2050	.0005
82	0407265-002A		-.0117	.0030	-.0191	-.0132	1.002	.0037
83	0407280-001C		.0006	-.0083	-.0179	-.0011	.2545	-.0018
84	0407333-001A		-.0037	.0102	-.0044	.0047	.0336	.0003
85	CCV		.9903	.9873	.9904	.9909	.9980	.9856
86	CCB		-.0002	.0054	-.0016	.0024	-.0124	.0011

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
87	0407333-002A	.0020	.0160	.0011	.0072	.1634	.0011
88	0407333-003A	-.0033	.0037	.0019	.0047	.0391	.0007
89	0407333-004A	.0094	.0137	.0027	-.0018	.3040	.0008
90	0407257-002DDL	.0014	.0101	-.0052	.0056	-.0006	-.0003
91	0407257-002DPDS	.8724	.9349	.9319	.8877	.9487	.8998
92	ICSA	.0019	.0067	-.0082	.0009	-.0048	.0006
93	ICSAB	.4584	.4623	.4642	.4519	.4607	.4662
94	CCV	.9708	.9749	.9924	.9887	.9850	.9797
95	CCB	-.0003	.0133	.0001	-.0041	-.0124	.0001
96	STD1-BLANK	-.02149	-.17949	.07399	-.04349	.10099	.01099
97	ICAL	4.00829	17.5281	10.556	2.08539	3.9783	9.60351
98	ICAL2	7.9481	34.0718	20.6925	4.17429	7.8161	19.083
99	ICV	.5009	.5017	.4916	.5025	.5011	.5018
100	ICB	.0020	-.0024	.0036	.0056	.0032	.0002
101	LCS-47531	.9363	.9799	.9750	.9876	.9980	1.004
102	MB-47531	.0037	-.0043	.0002	.0065	-.0032	.0001
103	0407309-001H	.0038	-.0093	.0017	-.0028	-.0106	.0009
104	0407309-001HDUP	.0030	.0034	-.0014	.0008	-.0115	-.0007
105	0407309-001HMS	.9476	.9831	.9875	.9893	1.001	1.024
106	0407309-003H	.0024	-.0050	.0034	.0078	-.0091	.0000
107	0407309-005H	.0025	.0006	-.0016	.0031	.2615	.0030
108	0407299-004B	.0042	.0053	-.0006	-.0057	.3692	.1977
109	0407299-005B	.0030	.0018	-.0075	.0023	.0408	.1111
110	0407299-006B	.0012	-.0043	-.0039	-.0070	.4780	.7729
111	CCV1	.9844	1.001	1.007	1.009	1.010	1.006
112	CCB1	.0051	.0017	-.0018	-.0018	-.0122	-.0001
113	0407303-014B	.0039	.0032	-.0109	-.0145	.3863	.3820
114	0407303-014C	.0006	.0080	-.0050	.0055	-.0054	-.0003
115	0407309-001F	.0003	.0027	.0049	.0032	.1197	.0001
116	0407309-003F	.0066	.0151	-.0054	-.0031	.0032	-.0011
117	0407309-005F	.0069	-.0001	-.0008	.0067	.0544	.0017
118	0407309-001HDL	.0076	-.0095	-.0009	.0056	-.0098	-.0002
119	0407309-001HPDS	.9407	.9861	.9886	.9997	1.009	1.002
120	LCS-47535	.1111	-.0054	-.0001	-.0017	11.04	.0020
121	MB-47535	.0077	.0042	-.0007	-.0001	-.0058	-.0004
122	0407322-001A	.1244	-.0037	-.0091	.0088	444.7	.0242
123	CCV	.9800	1.002	1.007	.9984	Q1.432	.9981
124	CCB	.0013	.0007	-.0025	-.0036	H.1299	-.0002
125	0407322-002A	.0302	-.0041	.0046	.0069	444.5	.0061
126	0407322-003A	.1255	.0028	.0016	.0072	472.6	.0131
127	0407322-004A	.0749	-.0006	-.0003	.0056	486.6	.0085
128	0407322-005A	.2715	-.0086	.0021	.0043	384.9	.0199
129	0407322-006A	.0742	-.0039	-.0014	.0030	480.7	.0092
130	0407322-007A	.0168	-.0036	-.0131	-.0553	245.7	-.0003
131	0407322-008A	.0313	-.0077	-.0504	-.1330	430.7	.0058
132	0407322-009A	.0022	-.0115	-.0653	-.2187	345.0	-.0046
133	0407322-010A	.0006	.0006	-.0001	.0014	1.608	-.0008
134	0407322-011A	.0020	-.0012	.0008	-.0003	1.131	-.0009
135	CCV2	1.951	2.040	2.038	2.022	2.078	2.022
136	CCB2	.0048	.0006	.0018	-.0005	.0174	.0006
137	0407322-012A	.0067	-.0002	-.0024	-.0007	.9678	-.0016
138	0407322-013A	.0082	.0009	.0024	-.0030	.5669	-.0013
139	LCS-47534	.8742	.8861	.8956	.9348	.9726	.9833
140	MB-47534	.0043	-.0062	.0029	-.0033	-.0047	.0001

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
141	0406F09-002A	-.0055	-.0176	-.0107	-.0278	1.236	.6012
142	0406F09-002ADUP	.0061	-.0134	-.0151	-.0269	1.200	.6246
143	0406F09-002AMS	.5126	.8482	.8464	.8622	2.134	1.560
144	0406F09-004A	.0107	-.0053	-.0054	-.0068	.9157	.3980
145	0406F09-006A	.0110	-.0129	-.0025	-.0168	.8427	.3327
146	0406F09-008A	-.0014	-.0051	-.0049	-.0183	1.009	.5471
147	CCV1	.9911	.9999	1.002	1.025	1.005	.9993
148	CCB1	.0019	-.0017	-.0007	.0056	-.0036	.0002
149	0406F09-009B	.0354	-.0085	-.0111	-.0200	1.249	.5316
150	0406F09-010B	.0037	-.0107	-.0170	-.0267	1.569	.6868
151	0407035-001B	.0070	-.0020	-.0042	-.0287	1.727	.5353
152	0407035-002B	.0035	-.0171	-.0115	-.0150	1.607	.8815
153	0407035-003B	.0078	-.0005	-.0119	-.0227	1.806	.5721
154	0407035-004B	.0043	-.0072	-.0065	-.0180	1.205	.5336
155	0407035-005B	.0301	-.0014	-.0141	-.0170	1.179	.7493
156	0406F09-002ADL	.0106	-.0067	-.0045	-.0064	.2812	.1268
157	0406F09-002APDS	4.463	4.555	4.577	4.533	5.190	4.946
158	ICSA	.0025	.0017	-.0019	-.0065	.0155	.0007
159	ICSAB	.4780	.5006	.5018	.4865	.5101	.4941
160	CCV2	1.970	2.058	2.079	2.071	2.066	2.053
161	CCB2	.0077	.0162	-.0024	.0024	-.0032	.0000
162	STD1-BLANK	.01699	.01849	-.04749	-.01649	.15849	-.00349
163	ICAL	4.10629	17.7196	10.9254	2.21938	4.15529	9.9275
164	ICAL2	7.8436	34.2398	20.848	4.19579	7.75861	18.7926
165	ICV	.5159	.5172	.5064	.5025	.5157	.5153
166	ICB	.0018	-.0063	.0067	-.0003	.0019	.0003
167	LCS-47520	.9234	.9364	.9320	.9791	.9770	1.007
168	MB-47520	.0020	-.0131	.0048	-.0080	-.0122	.0005
169	0407302-003C	.0451	-.0089	-.0189	-.0575	28.33	.4573
170	0407302-003CDUP	.0327	-.0159	-.0129	-.0579	26.19	.5044
171	0407302-003CMS	.3395	.8583	.8411	.5516	27.82	1.371
172	0407302-001D	.0193	-.0010	.0008	-.0471	11.66	.8823
173	0407302-005C	-.0006	-.0222	-.0148	-.0321	5.065	.8451
174	0407302-007C	.0159	.0001	-.0027	-.0264	22.75	.5855
175	0407303-001B	-.0046	-.0228	-.0085	-.0419	1.302	.5937
176	0407303-002B	-.0106	-.0363	-.0192	-.0848	.7463	2.778
177	CCV	.9839	.9954	.9892	.9882	1.030	.9785
178	CCB	-.0054	-.0125	.0162	-.0028	-.0068	.0014
179	0407303-003B	-.0208	-.0076	-.0250	-.0557	.6451	2.200
180	0407303-004B	.0016	-.0268	-.0237	-.0695	1.285	.6773
181	0407303-005B	-.0097	-.0316	-.0049	-.0546	2.133	.2154
182	0407303-006A	.0003	-.0157	-.0135	-.0475	.9165	.6292
183	0407303-007B	.0171	-.0211	-.0112	-.0384	1.110	.4696
184	0407303-008B	-.0081	-.0544	-.0174	-.0189	1.062	.3664
185	0407303-010B	-.0339	-.0450	-.0194	-.0790	.7446	3.647
186	0407303-012B	-.0193	-.0231	-.0074	-.0728	.6593	2.117
187	0407314-001A	.0427	-.0164	-.0082	-.0273	2.168	1.552
188	0407302-003CDL	.0018	-.0095	-.0030	-.0152	6.454	.0993
189	CCV1	Q1.005	1.014	1.001	Q1.005	Q1.007	Q1.001
190	CCB1	-.0008	-.0005	.0036	L-.0092	-.0148	.0010
191	0407302-003CPDS	4.626	4.632	4.525	4.469	19.21	4.863
192	0407302-003C 10X	.0047	-.0058	.0071	-.0067	3.299	.0512
193	0407302-003CDUP 10X	.0007	-.0026	.0042	-.0004	3.135	.0567
194	0407302-003CMS 10X	.0367	.1003	.1065	.0590	3.405	.1537

#	Sample Name		Sb	1960/1	1960/2	Tl	Zn	V
195	0407302-001D	10X	.0049	.0048	-.0061	-.0107	1.311	.0951
196	0407302-005C	10X	-.0026	-.0081	-.0022	-.0046	.5389	.0888
197	0407302-007C	10X	.0008	-.0143	.0016	-.0044	2.533	.0615
198	ICSA		-.0063	-.0060	-.0016	-.0068	.0002	.0002
199	ICSAB		.4827	.4791	.4942	.4616	.4940	.4840
200	CCV1		.9980	1.013	1.004	.9984	.9967	.9851
201	CCB1		.0081	-.0054	.0038	L-.0081	-.0155	.0007

#	Sample Name	Sn	Mo	Ti	Pb	Se
1	STD1-BLANK	.07099	.01249	.14549		
2	ICAL	22.7144	3.06784	49.96		
3	ICAL2	44.0758	5.8277	96.8442		
4	CKSTD	.9823	Q.9768	.9834	.98002	.99082
5	ICV	.5027	.4979	.5002	.50443	.50105
6	ICB	.0005	.0009	-.0041	.00051	.00340
7	CRI	.0107	.0103	.0067	.00977	.01198
8	CRI2	.1053	.1035	.0990	.10679	.11165
9	ICSA	.0025	.0036	-.0070	-.00214	-.00587
10	ICSAB	.4797	.4786	.4768	.46163	.48277
11	CCV	.9917	.9798	.9911	.98334	1.0036
12	CCB	.0008	-.0027	-.0025	.00084	.00145
13	LCS-47473	.9227	.9323	.9594	.97619	.96961
14	MB-47473	.0075	-.0035	.0008	.00176	.00343
15	0407228-026A	2.641	.8074	29.71	2.3789	-.04992
16	0407228-026ADUP	2.713	.8294	24.78	2.4050	-.03900
17	0407228-026AMS	3.534	1.607	31.52	3.1614	.68926
18	0407226-015A	.1822	.1540	3.316	.50883	.01208
19	0407226-016A	.1654	.1437	3.099	.58979	.00616
20	0407238-002A	.0804	.0124	.2923	.08511	.00453
21	0407238-003A	.3021	.0390	1.077	.79906	.02024
22	0407239-003A	.2224	.1282	.3046	.37765	.00814
23	CCV	.9812	.9764	.9772	.96753	.98581
24	CCB	-.0009	-.0018	-.0043	-.00014	.00323
25	0407239-004A	.4632	.4167	.9608	.97949	.01953
26	0407253-001B	.0166	.0054	.3482	.16802	-.02021
27	0407253-002B	2.152	.0053	.2700	7.4646	-.00635
28	0407253-003B	.0374	.0099	1.018	.59835	-.01681
29	0407253-004B	.0307	.0062	1.485	.31702	-.02973
30	0407253-005B	.0551	.0099	.6205	.24346	-.02430
31	0407253-006B	.1620	.0204	.8021	1.6502	-.00947
32	0407253-007B	.0587	.0089	1.026	6.2679	-.01716
33	0407253-008B	.0112	.0018	.6934	.06343	-.00395
34	0407279-001B	.0313	.0714	1.033	.65232	-.00607
35	CCV	.9683	.9737	.9837	.97216	.98945
36	CCB	-.0007	-.0024	-.0014	-.00074	.00128
37	0407253-001B 10X	.0021	-.0027	.0370	.02031	-.00564
38	0407253-003B 10X	.0037	.0018	.1035	.06560	-.00616
39	0407253-004B 10X	.0054	-.0047	.1707	.03836	-.00317
40	0407253-005B 10X	.0050	.0034	.0665	.02830	-.00429
41	0407253-007B 10X	.0045	-.0048	.1095	.73738	-.00116
42	ICSA	.0016	-.0028	-.0082	-.00410	-.00033
43	ICSAB	.4554	.4606	.4609	.44513	.46096

#	Sample Name	Sn	Mo	Ti	Pb	Se
44	CCV1	.9658	.9715	.9783	.96679	.97385
45	CCB1	.0010	-.0006	-.0019	.00028	.00384
46	STD1-BLANK	.02299	-.00399	-.23998		
47	ICAL	22.1539	3.01934	49.098		
48	ICAL2	43.5003	5.8607	95.9642		
49	ICV	.5006	.4933	.5000	.50131	.49765
50	ICB	.0023	.0028	-.0008	.00051	.00232
51	LCS-47492	1.005	1.007	1.036	.99647	1.0156
52	MB-47492	.0004	.0022	.0018	-.00086	.00558
53	0407011-001C	-.0010	.0017	.0026	-.00099	.00474
54	0407011-001CDUP	-.0019	-.0009	-.0017	.00090	-.00147
55	0407011-001CMS	1.010	1.013	1.045	.98992	1.0197
56	0407011-002C	.0038	.0039	.0010	.00102	.00372
57	0407011-003C	.0024	.0038	.0011	-.00096	.00257
58	0407011-004C	.0012	.0003	-.0017	.00073	-.00112
59	0407011-005C	.0010	.0002	.0007	-.00081	.00510
60	0407011-006C	.0021	.0036	.0024	-.00192	-.00215
61	CCV	.9937	.9836	.9830	.99178	1.0140
62	CCB	.0019	.0021	.0005	-.00041	-.00145
63	0407011-007C	.0018	.0047	.0001	-.00053	-.00113
64	0407011-008C	.0009	.0005	-.0002	-.00142	-.00262
65	0407011-009C	.0042	.0043	-.0008	.00096	.00412
66	0407011-010C	.0014	.0012	-.0010	.00030	.01251
67	0407011-011C	.0001	.0055	.0013	-.00016	.00525
68	0407011-012C	.0001	.0043	.0013	.00042	.00239
69	0407011-013C	.0007	-.0023	.0001	-.00192	.00337
70	0407011-014C	.0018	.0007	.0013	.00074	.00454
71	0407011-015C	.0004	.0036	-.0007	.00067	-.00566
72	0407011-001CDL	.0022	-.0019	-.0003	-.00100	.00502
73	CCV	.9830	.9660	.9648	.97914	.99802
74	CCB	.0021	.0038	.0009	.00083	.00000
75	0407011-001CPDS	.9717	.9621	.9709	.95585	.98020
76	LCS-47519	1.002	1.001	1.032	.97451	1.0023
77	MB-47519	.0019	.0029	-.0008	-.00173	.00167
78	0407257-002D	38.97	.0127	.0027	.00070	.00126
79	0407257-002DDUP	37.44	.0102	.0001	-.00028	.00583
80	0407257-002DMS	35.43	.8793	.8665	.81996	.90578
81	0407236-001E	.0216	.0155	.0033	.00140	.00218
82	0407265-002A	.0171	.0045	.0432	.01049	-.01172
83	0407280-001C	.0057	.0049	-.0067	.01425	-.01467
84	0407333-001A	.0043	.0032	.0023	.00098	.00049
85	CCV	.9847	.9730	.9798	.97807	.98937
86	CCB	.0068	.0025	.0028	-.00181	.00073
87	0407333-002A	.0085	.0073	.0232	.00557	.00607
88	0407333-003A	.0059	.0022	.0099	.00239	.00251
89	0407333-004A	.0122	.0072	.0197	.01358	.00638
90	0407257-002DDL	8.558	.0034	-.0012	-.00126	-.00011
91	0407257-002DPDS	21.06	.9161	.8790	.88128	.93293
92	ICSA	.0148	-.0001	-.0012	-.00125	-.00325
93	ICSAB	.4665	.4573	.4638	.45034	.46353
94	CCV	.9785	.9776	.9836	.97731	.98656
95	CCB	.0037	.0043	-.0024	-.00118	.00453
96	STD1-BLANK	.17249	.01699	-.08699		
97	ICAL	21.4279	2.91735	47.6966		

#	Sample Name	Sn	Mo	Ti	Pb	Se
98	ICAL2	42.5884	5.78121	95.1427		
99	ICV	.5024	.5014	.5005	.50315	.49497
100	ICB	-.0019	-.0062	-.0009	.00214	.00163
101	LCS-47531	.9568	.9789	.9949	.96650	.97660
102	MB-47531	-.0017	.0031	-.0002	.00083	-.00128
103	0407309-001H	.0020	-.0053	.0048	-.00001	-.00194
104	0407309-001HDUP	-.0024	-.0042	-.0033	-.00033	.00018
105	0407309-001HMS	.9717	.9916	1.015	.98664	.98605
106	0407309-003H	-.0008	-.0023	.0008	-.00110	.00059
107	0407309-005H	-.0016	-.0011	.0240	.00143	-.00089
108	0407299-004B	.0032	.0062	3.174	.05896	.00136
109	0407299-005B	.0012	-.0025	.7839	.01162	-.00440
110	0407299-006B	.0224	-.0012	6.028	.08675	-.00401
111	CCV1	1.012	1.011	1.020	1.0061	1.0050
112	CCB1	.0000	-.0036	-.0011	-.00084	-.00062
113	0407303-014B	.0088	.0023	8.260	.13106	-.00615
114	0407303-014C	-.0001	-.0034	.0034	.00070	-.00069
115	0407309-001F	.0033	.0009	.0068	.00296	.00416
116	0407309-003F	-.0025	-.0067	-.0021	-.00026	.00140
117	0407309-005F	.0009	.0008	.0011	.00156	-.00053
118	0407309-001HDL	-.0023	-.0022	-.0009	.00017	-.00377
119	0407309-001HPDS	1.012	1.008	1.013	.99579	.98779
120	LCS-47535	.0440	.0623	.2374	13.804	-.00188
121	MB-47535	.0044	-.0024	.0004	.00641	.00095
122	0407322-001A	.0196	.0123	.9003	9.2561	-.00732
123	CCV	1.010	1.008	1.009	1.0060	1.0052
124	CCB	-.0023	-.0028	.0001	.00236	-.00140
125	0407322-002A	.0094	.0024	.1277	7.7376	.00172
126	0407322-003A	.0141	.0052	1.055	12.254	.00197
127	0407322-004A	.0060	.0018	.2478	14.529	-.00039
128	0407322-005A	.0160	.0095	1.559	5.9641	-.00146
129	0407322-006A	.0068	.0109	.2075	13.790	-.00221
130	0407322-007A	.0136	.0197	.3944	.35257	-.00994
131	0407322-008A	.0226	.0302	1.576	1.3960	-.03615
132	0407322-009A	.0319	.0463	1.144	.71864	-.04740
133	0407322-010A	.0183	.0013	1.478	.03840	.00010
134	0407322-011A	.0464	.0101	2.287	.26093	.00014
135	CCV2	2.041	2.040	2.048	2.0040	2.0388
136	CCB2	.0011	.0021	.0034	.00090	.00142
137	0407322-012A	.0481	.0017	3.168	.12922	-.00165
138	0407322-013A	.0610	.0028	2.848	.29578	.00191
139	LCS-47534	.8917	.8760	.9372	.93793	.89242
140	MB-47534	.0046	.0004	.0029	-.00054	-.00015
141	0406F09-002A	.0312	.0136	1.837	.27881	-.01301
142	0406F09-002ADUP	.0160	.0102	2.409	.25521	-.01452
143	0406F09-002AMS	.8429	.7806	2.540	1.2006	.84704
144	0406F09-004A	.0181	.0267	2.617	.15932	-.00540
145	0406F09-006A	.0213	.0152	2.104	.16950	-.00599
146	0406F09-008A	.0154	.0184	1.850	.17130	-.00498
147	CCV1	1.016	.9987	1.008	.99370	1.0016
148	CCB1	-.0010	.0009	-.0004	.00085	-.00104
149	0406F09-009B	.0104	.0137	2.213	.23350	-.01026
150	0406F09-010B	.0191	.0142	1.104	.29183	-.01491
151	0407035-001B	.0144	.0124	2.427	.27036	-.00346

#	Sample Name	Sn	Mo	Ti	Pb	Se
152	0407035-002B	.0209	.0152	5.531	.24982	-.01337
153	0407035-003B	.0138	.0247	2.037	.36570	-.00806
154	0407035-004B	.0131	.0146	2.050	.20919	-.00673
155	0407035-005B	.0173	.0228	4.252	.22801	-.00987
156	0406F09-002ADL	.0075	-.0001	.3900	.06107	-.00522
157	0406F09-002APDS	4.843	4.652	5.580	4.6273	4.5695
158	ICSA	.0013	.0006	-.0039	-.00030	-.00068
159	ICSAB	.5013	.4962	.4897	.47524	.50138
160	CCV2	2.083	2.041	2.065	2.0332	2.0722
161	CCB2	-.0015	.0042	-.0026	.00123	.00379
162	STD1-BLANK	.12049	.00099	-.49847		
163	ICAL	22.6344	2.97935	49.5635		
164	ICAL2	42.7149	5.67671	93.6688		
165	ICV	.5204	.5174	.5131	.51883	.51000
166	ICB	.0005	.0024	.0020	-.00071	.00239
167	LCS-47520	.9712	.9816	1.017	.96813	.93345
168	MB-47520	.0111	.0064	.0027	-.00009	-.00118
169	0407302-003C	1.022	.0984	11.51	8.2447	-.01554
170	0407302-003CDUP	.9586	.1072	11.44	6.8859	-.01394
171	0407302-003CMS	1.791	.9905	11.79	7.9140	.84686
172	0407302-001D	.2769	.0286	11.30	4.2530	.00018
173	0407302-005C	.0757	.0241	26.49	1.3906	-.01723
174	0407302-007C	.1422	.0384	11.19	3.6182	-.00180
175	0407303-001B	.0410	.1156	11.20	.50955	-.01327
176	0407303-002B	.0403	.0157	25.97	.41753	-.02488
177	CCV	.9866	.9771	.9864	.98033	.99125
178	CCB	.0005	-.0025	.0097	-.00288	.00662
179	0407303-003B	.0266	.0128	23.67	.29950	-.01919
180	0407303-004B	.0530	.1159	16.03	.40805	-.02473
181	0407303-005B	.0522	.0864	4.043	.72819	-.01375
182	0407303-006A	.0487	.0782	13.07	.35732	-.01419
183	0407303-007B	.0377	.0897	10.07	.35123	-.01450
184	0407303-008B	.0223	.0252	20.17	.18592	-.02972
185	0407303-010B	.0521	.0074	34.74	.50321	-.02792
186	0407303-012B	.0288	.0098	26.31	.31203	-.01259
187	0407314-001A	.0491	.0167	20.11	1.7527	-.01093
188	0407302-003CDL	.2232	.0201	2.453	1.8312	-.00516
189	CCV1	.9985	Q1.009	1.002	Q.99945	Q1.0051
190	CCB1	.0013	-.0007	.0058	-.00010	.00218
191	0407302-003CPDS	5.218	4.648	10.38	8.5595	4.5609
192	0407302-003C 10X	.1133	.0108	1.238	.93585	.00284
193	0407302-003CDUP 10X	.1116	.0096	1.260	.80577	.00197
194	0407302-003CMS 10X	.2060	.1115	1.311	.94190	.10440
195	0407302-001D 10X	.0281	.0065	1.206	.47867	-.00247
196	0407302-005C 10X	.0097	.0006	2.732	.15311	-.00413
197	0407302-007C 10X	.0147	.0046	1.172	.39552	-.00371
198	ICSA	-.0010	.0006	-.0012	-.00257	-.00304
199	ICSAB	.4854	.4796	.4819	.46238	.48919
200	CCV1	.9927	.9744	.9761	.98469	1.0068
201	CCB1	-.0004	.0013	.0019	-.00116	.00071

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/9/2004 8:30:00 A**
Prep End Date: **7/9/2004 10:45:00 A**

Prep Factor Units: **mL / Kg**

Prep Batch **47528** Prep Code: **7471A_S_P** Technician: **Elizabeth Melda**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407253-001B	Soil		0.0005122	0	0	50	97618.118	7/9/2004	7/9/2004
0407253-002B	Soil		0.0005154	0	0	50	97012.029	7/9/2004	7/9/2004
0407253-003B	Soil		0.0005063	0	0	50	98755.678	7/9/2004	7/9/2004
0407253-004B	Soil		0.000555	0	0	50	90090.090	7/9/2004	7/9/2004
0407253-005B	Soil		0.0005198	0	0	50	96190.843	7/9/2004	7/9/2004
0407253-006B	Soil		0.0005433	0	0	50	92030.186	7/9/2004	7/9/2004
0407253-007B	Soil		0.0005365	0	0	50	93196.645	7/9/2004	7/9/2004
0407253-008B	Soil		0.0005544	0	0	50	90187.590	7/9/2004	7/9/2004
0407279-001B	Soil		0.0005232	0	0	50	95565.749	7/9/2004	7/9/2004
0407279-001BMS	Soil		0.0005364	0	0	50	93214.019	7/9/2004	7/9/2004
0407279-001BMSD	Soil		0.0005233	0	0	50	95547.487	7/9/2004	7/9/2004
0407279-001BPDS	Soil		0.0005232	0	0	50	95565.749	7/9/2004	7/9/2004
0407279-002B	Soil		0.0005548	0	0	50	90122.567	7/9/2004	7/9/2004
0407279-003B	Soil		0.0005569	0	0	50	89782.726	7/9/2004	7/9/2004
0407302-001B	Soil		0.0005552	0	0	50	90057.637	7/9/2004	7/9/2004
0407302-003A	Soil		0.000537	0	0	50	93109.870	7/9/2004	7/9/2004
0407302-005A	Soil		0.0005344	0	0	50	93562.874	7/9/2004	7/9/2004
0407302-007A	Soil		0.0005411	0	0	50	92404.361	7/9/2004	7/9/2004
LCS-47528			0.0005	0	0	50	100000.000	7/9/2004	7/9/2004
MB-47528			0.0005	0	0	50	100000.000	7/9/2004	7/9/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID	**MB-47528**	SampType:	**MBLK**	TestCode:	**7471A_S**	Units:	**mg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53051**				
Client ID:		Batch ID:	**47528**	TestNo:	**SW7471A**			Analysis Date:	**7/9/2004**	SeqNo:	**1019165**				

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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID	**LCS-47528**	SampType:	**LCS**	TestCode:	**7471A_S**	Units:	**mg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53051**				
Client ID:		Batch ID:	**47528**	TestNo:	**SW7471A**			Analysis Date:	**7/9/2004**	SeqNo:	**1019166**				
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury		0.3856		0.100	0.4	0		96.4	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:
0407279-001BMS	**MS**	**7471A_S**	**mg/Kg**	**7/9/2004**	**53051**
Client ID:	Batch ID: **47528**	TestNo: **SW7471A**		Analysis Date: **7/9/2004**	SeqNo: **1019170**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3747	0.0932	0.3729	0.03465	91.2	70	130	0	0		

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:
0407279-001BMSD	**MSD**	**7471A_S**	**mg/Kg**	**7/9/2004**	**53051**
Client ID:	Batch ID: **47528**	TestNo: **SW7471A**		Analysis Date: **7/9/2004**	SeqNo: **1019172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3966	0.0955	0.3822	0.03465	94.7	70	130	0.3747	5.67	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID	**0407279-001BPDS**	SampType:	**PDS**	TestCode:	**7471A_S**	Units:	**mg/Kg**	Prep Date:	**7/9/2004**	RunNo:	**53051**
Client ID:		Batch ID:	**47528**	TestNo:	**SW7471A**			Analysis Date:	**7/9/2004**	SeqNo:	**1019174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.9287	0.191	0.9557	0.03465	93.5	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID **ICB** SampType: **ICB** TestCode: **7471A_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **R53051** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019160**

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: **53051**
Client ID: Batch ID: **R53051** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.5049	0.100	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: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47528

Sample ID: **CCV 2.0 PPB** SampType: **CCV** TestCode: **7471A_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **47528** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019183**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1886	0.100	0.2	0	94.3	80	120	0	0		

Sample ID: **CCV 5.0 PPB** SampType: **CCV** TestCode: **7471A_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **47528** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019199**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.4714	0.100	0.5	0	94.3	80	120	0	0		

Sample ID: **CCV 2.0 PPB** SampType: **CCV** TestCode: **7471A_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **47528** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.1885	0.100	0.2	0	94.3	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471A_S

Sample ID **CCB** SampType: **CCB** TestCode: **7471A_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **R53051** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019184**

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_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **R53051** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019201**

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_S** Units: **mg/Kg** Prep Date: RunNo: **53051**
Client ID: Batch ID: **R53051** TestNo: **SW7471A** Analysis Date: **7/9/2004** SeqNo: **1019224**

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

AES Batch #: 47528

AES Run #: 53051

Instrument: Varian FAA / VGA 77 / FIMS

Prep Date: 7/9/04 Prepped By: EM

Analysis Date: 7/9/04 Analyst: EM

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	--	Soil	0.5297
	LCS	2	~~40ml/0.5g~~	50	--		0.5578
1	0407279-001B	--	0.5232	50			
2	EM 7/9/04 -001B MS	2	0.5364	50			
3	-001B MSD	2	0.5233	50			
4	-001B PDS	5	0.5232	50	2		
5	0407279-002B	--	0.5548	50			
6	EM 7/9/04 -003B	--	0.5569	50			
7	0407253-001B	--	0.5122	50			
8	-002B	--	0.5154	50			
9	EM -003B	--	0.5063	50			
10	7/9/04 -004B	--	0.5550	50			
11	-005B	--	0.5198	50			
12	-006B	--	0.5433	50			
13	-007B	--	0.5365	50			
14	-008B	--	0.5544	50			
15	0407302-001B	--	0.5552	50			
16	EM -003A	--	0.5370	50			
17	7/9/04 -005A	--	0.5344	50			
18	-007A	--	0.5411	50			
19		--		50			
20		--	EM 7/9/04	50			
21		--		50			
22		--		50			
23		--		50			

CAN 7-09-04

Hot-block Temp.: 95°C

Time on: 10:09 Time off: 10:42

Thermometer ID: 1592

Thermometer Calibration Exp. Date: 12/16/04

Standards and Reagents

ICAL/CCV/PDS ID# met-186-98

ICV/LCS/MS ID# met-186-99

H2SO4 ID# 8006

HNO3 ID# 8767

HCl ID# 8746

KMnO4 ID# met-184-028

K2S2O8 ID# met-184-064

Hyd. Hdr. Cl. ID# met-184-71

Stan. Chloride ID# met-184-40

Reviewed By: CAN

Date: 7-09-04

508

ljob 5/11/2004 9:03 AM

Analyst	EM
Date Started	2:16 PM 7/9/04
Worksheet	Hg 7/9/2004 SOIL
Comment	7471A
Methods	Hg

HI

Nominal Weight = 100.000 Nominal Volume = 100.00

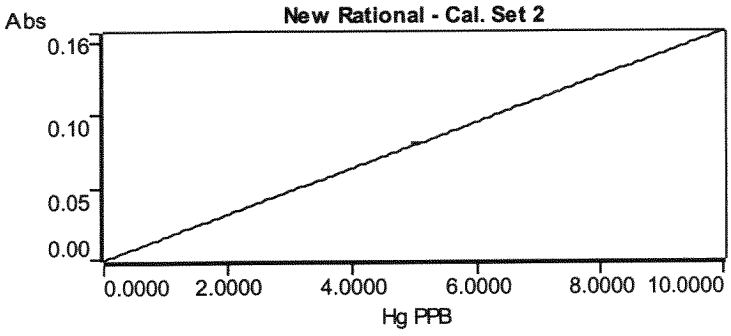
Method: Hg H2O (Vapor)

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

FAA-040709C, 53051

Reviewed
CDW
7-12-04

Sample ID	Conc PPB	%RSD	Mean Abs	Weight	Volume	Readings		
CAL ZERO	0.0000	12.4	0.0009	100.000	100.00	0.0009	0.0011	0.0009
STANDARD 1	0.1600	4.5	0.0024	100.000	100.00	0.0023	0.0025	0.0025
STANDARD 2	0.5000	2.7	0.0078	100.000	100.00	0.0076	0.0080	0.0078
STANDARD 3	1.0000	0.6	0.0154	100.000	100.00	0.0153	0.0155	0.0155
STANDARD 4	2.0000	0.3	0.0312	100.000	100.00	0.0313	0.0312	0.0312
STANDARD 5	5.0000	0.3	0.0779	100.000	100.00	0.0782	0.0779	0.0778
STANDARD 6	10.0000	0.1	0.1566	100.000	100.00	0.1566	0.1564	0.1566



ICV 5.0 ppb	5.0488	0.2	0.0792	100.000	100.00	0.0794	0.0791	0.0791
	W0231: Sample concentration betw een IDL and RDL							
ICB	0.0517B	16.7	0.0008	100.000	100.00	0.0007	0.0009	0.0007
CRA 0.5 ppb	0.5044	1.6	0.0078	100.000	100.00	0.0076	0.0079	0.0078
	W0231: Sample concentration betw een IDL and RDL							
MB-47528	0.0279B	12.1	0.0004	100.000	100.00	0.0004	0.0005	0.0004
LCS-47528	3.8558	0.6	0.0603	100.000	100.00	0.0607	0.0601	0.0601
0407279-001B	0.3626	4.0	0.0056	100.000	100.00	0.0058	0.0055	0.0054
0407279-001BMS	4.0199	0.6	0.0629	100.000	100.00	0.0633	0.0629	0.0625
0407279-001BMSI	4.1505	0.5	0.0650	100.000	100.00	0.0653	0.0646	0.0650
0407279-001BPDS	4.8587	0.7	0.0762	100.000	100.00	0.0768	0.0760	0.0758
	W0231: Sample concentration betw een IDL and RDL							
0407279-002B	0.0941B	11.4	0.0014	100.000	100.00	0.0013	0.0016	0.0014
	W0231: Sample concentration betw een IDL and RDL							
0407279-003B	0.0718B	11.3	0.0011	100.000	100.00	0.0012	0.0010	0.0011
	W0231: Sample concentration betw een IDL and RDL							
0407253-001B	0.0699B	27.1	0.0011	100.000	100.00	0.0007	0.0013	0.0012
CCV 2.0 PPB	1.8862	0.2	0.0293	100.000	100.00	0.0292	0.0293	0.0292
	W0258: Sample concentration < IDL							
CCB	<0.0100U	84.9	-0.0004	100.000	100.00	-0.0000	-0.0005	-0.0006
0407253-002B	0.1886	3.1	0.0029	100.000	100.00	0.0029	0.0028	0.0030
	W0231: Sample concentration betw een IDL and RDL							
0407253-003B	0.0564B	11.2	0.0009	100.000	100.00	0.0008	0.0010	0.0009
	W0258: Sample concentration < IDL							
0407253-004B	<0.0100U	15.6	-0.0002	100.000	100.00	-0.0002	-0.0002	-0.0003
	W0258: Sample concentration < IDL							
0407253-005B	<0.0100U	>100	0.0001	100.000	100.00	0.0003	-0.0002	0.0002
0407253-006B	0.8313	0.3	0.0128	100.000	100.00	0.0129	0.0128	0.0128
	W0231: Sample concentration betw een IDL and RDL							
0407253-007B	0.1460B	9.1	0.0022	100.000	100.00	0.0023	0.0024	0.0020
	W0231: Sample concentration betw een IDL and RDL							
0407253-008B	0.0726B	7.9	0.0011	100.000	100.00	0.0012	0.0011	0.0010
0407302-001B	0.8794	0.3	0.0136	100.000	100.00	0.0135	0.0136	0.0135
0407302-003A	0.9688	1.6	0.0149	100.000	100.00	0.0151	0.0147	0.0151
0407302-005A	0.2549	1.7	0.0039	100.000	100.00	0.0038	0.0040	0.0040
CCV 5.0 ppb	4.7141	0.0	0.0739	100.000	100.00	0.0739	0.0739	0.0739
	W0258: Sample concentration < IDL							

Sample ID	Conc PPB	%RSD	Mean Abs	Weight	Volume	Readings		
CCB	<0.0100U	13.3	-0.0005	100.000	100.00	-0.0005	-0.0004	-0.0006
0407302-007A	1.3259	0.6	0.0205	100.000	100.00	0.0206	0.0204	0.0205
CCV 2.0 ppb	1.8851	0.5	0.0292	100.000	100.00	0.0292	0.0294	0.0291
	W0258: Sample concentration < IDL							
CCB	<0.0100U	13.1	-0.0012	100.000	100.00	-0.0011	-0.0012	-0.0014

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

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/13/2004 7:45:00 A**
Prep End Date: **7/13/2004 12:15:00**

Prep Factor Units: **mL / Kg**

Prep Batch **47615** Prep Code: **1010_S_P** Technician: **Lonnie Wonnum**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407302-001C	Soil		0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
0407302-001C DUP	Soil		0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
0407302-003B	Soil		0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
0407302-005B	Soil		0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
0407302-007B	Soil		0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
LCS#2-47615			0.03	0	0	0.03	1.000	7/13/2004	7/13/2004
LCS-47615			0.03	0	0	0.03	1.000	7/13/2004	7/13/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1010_S

Sample ID **LCS-47615**	SampType: **LCS**	TestCode: **1010_S**	Units: **°F**	Prep Date: **7/13/2004**	RunNo: **53141**
Client ID:	Batch ID: **47615**	TestNo: **SW1010**		Analysis Date: **7/13/2004**	SeqNo: **1021113**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	81	0	80	0	101	93.8	106.2	0	0		

Sample ID **LCS#2-47615**	SampType: **LCS**	TestCode: **1010_S**	Units: **°F**	Prep Date: **7/13/2004**	RunNo: **53141**
Client ID:	Batch ID: **47615**	TestNo: **SW1010**		Analysis Date: **7/13/2004**	SeqNo: **1021119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	80	0	80	0	100	93.8	106.2	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1010_S

Sample ID	**0407302-001C DUP**	SampType:	**DUP**	TestCode:	**1010_S**	Units:	**°F**	Prep Date:	**7/13/2004**	RunNo:	**53141**		
Client ID:	**JW-SS-15**	Batch ID:	**47615**	TestNo:	**SW1010**			Analysis Date:	**7/13/2004**	SeqNo:	**1021118**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ignitability	>200	0	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 FLASH POINT LOG BOOK
EPA Method: 1010
AES Method: GL – 08037

Batch No.: 47615

Instrument Run ID: FPA-040713A

Analyst: LHW

Date: 07/13/04 0745-12:15

Sample ID	Initial Temp. (F)	Flash Temp. (F)	Flash (YES/NO)
LCS#1 (p-Xylene)	72°	81°	Yes
0407302-001C	67°	>200°	No
001CDUP	65°	>200°	No
003B	68°	>200°	No
005B	58°	>200°	No
007B	64°	>200°	No

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/12/2004 8:45:00 A**
Prep End Date: **7/12/2004 12:10:00**

Prep Factor Units: **mL / Kg**

Prep Batch **47589** Prep Code: **9045C_P** Technician: **Lonnie Wonnum**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407302-001C	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407302-001C DUP	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407302-003B	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407302-005B	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407302-007B	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-001A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-002A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-003A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-004A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-005A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-006A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-007A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-007A DUP	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-008A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-009A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-010A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-011A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-012A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
0407338-013A	Soil		0.02	0	0	20	1000.000	7/12/2004	7/12/2004
CCV#1-47589			0.02	0	0	20	1000.000	7/12/2004	7/12/2004
CCV#2-47589			0.02	0	0	20	1000.000	7/12/2004	7/12/2004
LCS-47589			0.02	0	0	20	1000.000	7/12/2004	7/12/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW9045C**

Sample ID	**LCS-47589**	SampType:	**LCS**	TestCode:	**9045C**	Units:	**pH Units**	Prep Date:	**7/12/2004**	RunNo:	**53101**				
Client ID:		Batch ID:	**47589**	TestNo:	**SW9045C**			Analysis Date:	**4/12/2004**	SeqNo:	**1020191**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.05	0.01000	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW9045C**

Sample ID **0407302-001C DUP** SampType: **DUP** TestCode: **9045C** Units: **pH Units** Prep Date: **7/12/2004** RunNo: **53101**
Client ID: **JW-SS-15** Batch ID: **47589** TestNo: **SW9045C** Analysis Date: **4/12/2004** SeqNo: **1020173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.74	0.01000	0	0	0	0	0	6.7	0.595	10	

Sample ID **0407338-007A DUP** SampType: **DUP** TestCode: **9045C** Units: **pH Units** Prep Date: **7/12/2004** RunNo: **53101**
Client ID: Batch ID: **47589** TestNo: **SW9045C** Analysis Date: **4/12/2004** SeqNo: **1020184**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	5.63	0.01000	0	0	0	0	0	5.62	0.178	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.: H7589

INSTRUMENT RUN ID: ORION-1 040712A

Slope: 99.390

MDL=N/A

Analyzed by: ~~DS~~/ LLW

Start Date/Time: 7/12/04 1210

End Date/Time: 7/12/04 1455

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			50ml	25°C	4.01	1212	
CALIBRATION 2	pH 10						9.99	1215	
LCS	pH 7						7.05	1218	
0407302-001C		20g	60min	60min	40	25°C	6.70	1350	
001C	DUP						6.74	1352	
003B							7.16	1355	
005B							6.35	1357	
007B							6.80	1400	
0407338-001A							5.65	1405	
002A							5.45	1410	
003A							5.90	1418	
004A							5.89	1422	
005A							5.64	1425	
006A							5.32	1428	
CCV 1	pH 4 or 10	50ml	LLW 7/12/04		50ml		10.02	1431	
0407338-007A		20g	60min	60min	40	25°C	5.62	1433	
007A	DUP						5.63	1435	
008A							5.41	1438	
009A							5.42	1440	
010A							5.41	1442	
011A							5.34	1445	
012A							5.02	1448	
013A							5.89	1450	
									PP 7/12/4
CCV 2	pH 4 or 10	50ml	LLW 7/12/04		50ml	25°C	4.04	1455	

CALIBRATION 1 LOT # 8607 (pH 4.00 ± 0.05)

CALIBRATION 2 LOT # 8431 (pH 10.00 ± 0.05)

pH 7 LOT # 8028 (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 = 0.60 (<20%)

DUP 2 %RPD = 0.18 (<20%)

Reviewed by: PP Date: 7/12/4

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/12/2004 3:30:00 P**
Prep End Date: **7/12/2004 4:50:00 P**

Prep Factor Units: **mL / Kg**

Prep Batch **47621** Prep Code: **7.3.3.2CN_P** Technician: **Viktor Sheynker**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407302-001C	Soil		0.00116	0	0	50	43103.448	7/12/2004	7/12/2004
0407302-001C DUP	Soil		0.00115	0	0	50	43478.261	7/12/2004	7/12/2004
0407302-001C MS	Soil		0.00116	0	0	50	43103.448	7/12/2004	7/12/2004
0407302-003B	Soil		0.00115	0	0	50	43478.261	7/12/2004	7/12/2004
0407302-005B	Soil		0.00131	0	0	50	38167.939	7/12/2004	7/12/2004
0407302-007B	Soil		0.00115	0	0	50	43478.261	7/12/2004	7/12/2004
LCS-47621			0.001	0	0	50	50000.000	7/12/2004	7/12/2004
MB-47621			0.001	0	0	50	50000.000	7/12/2004	7/12/2004

Analytical Environmental Services, Inc.

Date: *09-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestNo: **SW7.3.3.2**

Sample ID: **MB-47621**		SampType: **MBLK**		TestCode: **7.3.3.2CN**		Units: **mg/Kg**		Prep Date: **7/12/2004**		RunNo: **53120**					
Client ID:		Batch ID: **47621**		TestNo: **SW7.3.3.2**				Analysis Date: **7/12/2004**		SeqNo: **1020691**					
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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID	**LCS-47621**	SampType:	**LCS**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**7/12/2004**	RunNo:	**53120**						
Client ID:		Batch ID:	**47621**	TestNo:	**SW7.3.3.2**			Analysis Date:	**7/12/2004**	SeqNo:	**1020692**						
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Cyanide,Reactive		9.195		1.00	12.5	0		73.6	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID	**0407302-001C MS**	SampType:	**MS**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**7/12/2004**	RunNo:	**53120**				
Client ID:	**JW-SS-15**	Batch ID:	**47621**	TestNo:	**SW7.3.3.2**			Analysis Date:	**7/12/2004**	SeqNo:	**1020704**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	7.444	0.862	10.78	0	69.1	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.3.2CN

Sample ID	**0407302-001C DUP**	SampType:	**DUP**	TestCode:	**7.3.3.2CN**	Units:	**mg/Kg**	Prep Date:	**7/12/2004**	RunNo:	**53120**				
Client ID:	**JW-SS-15**	Batch ID:	**47621**	TestNo:	**SW7.3.3.2**			Analysis Date:	**7/12/2004**	SeqNo:	**1020701**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide,Reactive	BRL	0.870	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

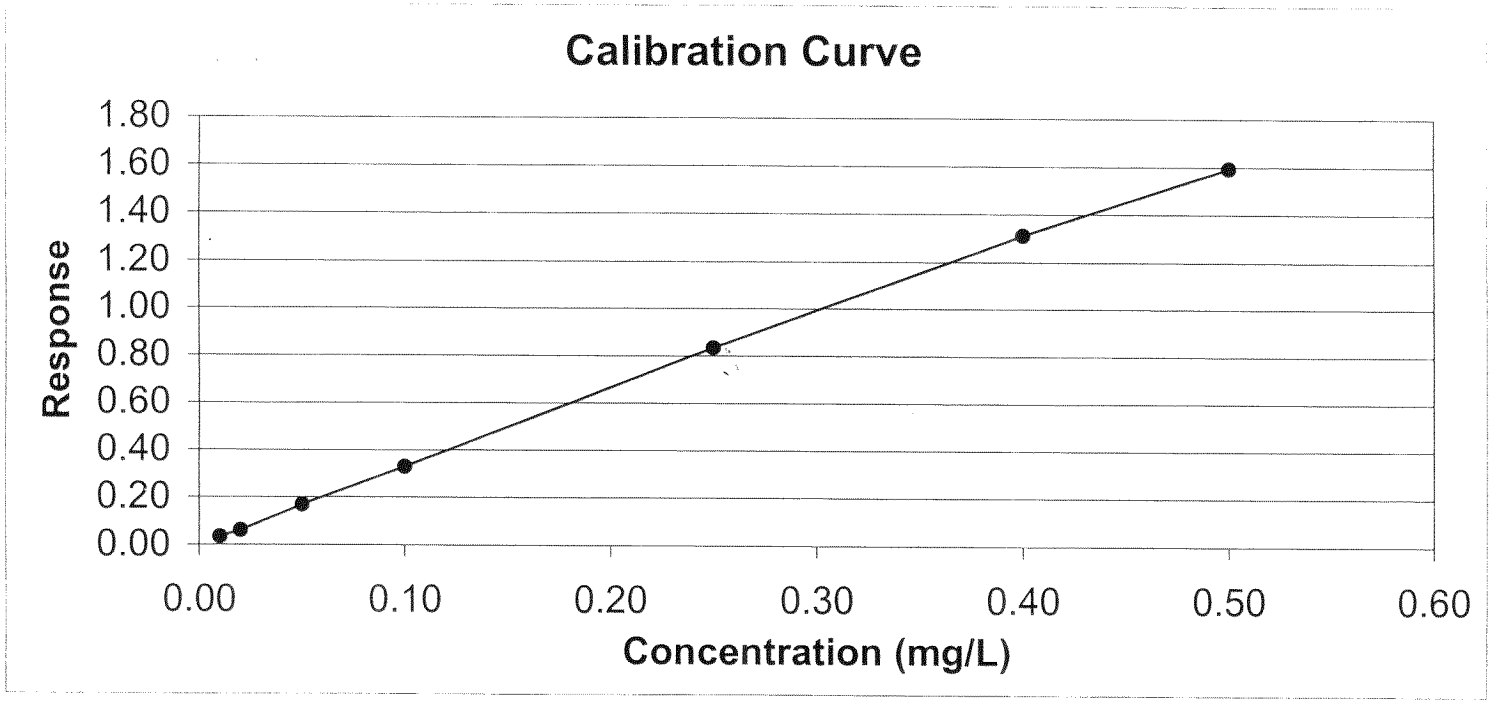
Wet Chemistry **Curve No.:** CN- 11

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



Analyte

Cyanide

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

Reactive

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: CN 011
Curve Prep. Date: 2/12/04
Curve Expiration Date: 8/12/04
Curve Prepared By: V. Sh / R.D.
Slope: 0.310484239
Intercept: -0.00179055
Wavelength: 578 nm

Batch No.: 17621
Prepared By: V.Sh
Analyzed By: V.Sh

Instrument Run ID: UV/VIS-SPEC 040712C
Date: 7/12/04 Start Time: 15:30 End Time: 16:50
Date: 7/12/04 Start Time: 17:20 End Time: 18:36

AES ID #	Initial Vol/Wt (mL/g)	Final Vol.(mL)	D.F.	Absorbance	pH >12	Sulfide Check	Calculated Value	Corrected Value	Comments
									V.Sh
CCV	1g	50mL	1	0	>12	N/A	0	0	
MB	1g			0.598	>12		0.1839	9.19	TV=12.50
LCS	1g			0.002	N/A		0	0	
0407302-001C	1.16g			0.004			0	0	
DUP	1.15g			0.562			0.1727	7.44	TV=10.87
MS	1.16g			0.006			0.0001	0.0031	
003B	1.15g			0.002			0	0	
005B	1.31g			0.005			0	0	
007B	1.15g								
									PP 7/12/04
CCV (as it is!)	1g	50mL	1	1.236	>12		0.3820	19.1	TV=20
CCB				0	>12		0	0	
									PP 7/12/04
CCV									
CCB									

CCV LOT # IN341-45-8722 TV= 20 mg/Kg 95.49 %Rec. (90-110%)
LCS LOT # IN372-5-8773 TV= 12.5 mg/Kg 73.6 %Rec. (90-110%)
MS & MSD Lot # ↓ TV= 10.87 mg/L
MS 10.87 %Rec. (90-110%) MSD NA %Rec. (90-110%) %RPD 0 (<20%)

Approval PP 7/13/04

Cyanide Buffer Lot # IN372-15-8216
Chloramine-T Solution Lot # IN372-28-5057
Pyridine-Barbituric Acid Reagent Lot # IN372-14-8531

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/11/2004 7:20:00 A**
Prep End Date: **7/11/2004 9:50:00 A**

Prep Factor Units: **mL / Kg**

Prep Batch **47592** Prep Code: **7.3.4.2SO2_P** Technician: **Viktor Sheynker**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407302-001C	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
0407302-001C DUP	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
0407302-001C MS	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
0407302-003B	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
0407302-005B	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
0407302-007B	Soil		0.001	0	0	50	50000.000	7/11/2004	7/11/2004
LCS#2-47592			0.001	0	0	50	50000.000	7/11/2004	7/11/2004
LCS-47592			0.001	0	0	50	50000.000	7/11/2004	7/11/2004
MB-47592			0.001	0	0	50	50000.000	7/11/2004	7/11/2004

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID	**MB-47592**	SampType:	**MBLK**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**7/11/2004**	RunNo:	**53086**				
Client ID:		Batch ID:	**47592**	TestNo:	**SW7.3.4.2**			Analysis Date:	**7/11/2004**	SeqNo:	**1019971**				

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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID **LCS-47592** SampType: **LCS** TestCode: **7.3.4.2SO2** Units: **mg/Kg** Prep Date: **7/11/2004** RunNo: **53086**
Client ID: Batch ID: **47592** TestNo: **SW7.3.4.2** Analysis Date: **7/11/2004** SeqNo: **1019972**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	184	20.0	257.1	0	71.6	70	130	0	0		

Sample ID **LCS#2-47592** SampType: **LCS** TestCode: **7.3.4.2SO2** Units: **mg/Kg** Prep Date: **7/11/2004** RunNo: **53086**
Client ID: Batch ID: **47592** TestNo: **SW7.3.4.2** Analysis Date: **7/11/2004** SeqNo: **1019979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	22.4	20.0	24.12	0	92.9	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID	**0407302-001C MS**	SampType:	**MS**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**7/11/2004**	RunNo:	**53086**				
Client ID:	**JW-SS-15**	Batch ID:	**47592**	TestNo:	**SW7.3.4.2**			Analysis Date:	**7/11/2004**	SeqNo:	**1019978**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfide, Reactive	157.1	20.0	229.6	0	68.5	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		

Analytical Environmental Services, Inc.

Date: *23-Jul-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407302
Project: J&W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 7.3.4.2SO2

Sample ID	**0407302-001C DUP**	SampType:	**DUP**	TestCode:	**7.3.4.2SO2**	Units:	**mg/Kg**	Prep Date:	**7/11/2004**	RunNo:	**53086**		
Client ID:	**JW-SS-15**	Batch ID:	**47592**	TestNo:	**SW7.3.4.2**			Analysis Date:	**7/11/2004**	SeqNo:	**1019977**		

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

Reactive

Batch No.: 47592

Prepared by: V. Sh Start Date/Time: 8:30 End Date/Time: 9:50
Analyzed by: V. Sh Start Date/Time: 13:50 End Date/Time: 14:35

Instrument Run ID: Titration 040711B N Thios = 0.025 N I2 = 0.024150

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	10ml	10ml	9.660	0		
LCS1	1 g	~~9.20~~ 10ml	~~184~~ 9.20	184		TV=257.1
0407302-001C	1.25g		9.64	6.40		
DUP	1.24g		9.66	0		
MS	1.12g		9.22	157.14-6.40=150.74		TV=229.55
003C	1.27		9.66	0		
005C	1.05		9.56	38.10		
007C	1.54		9.30	93.51		
LCS2 (as it is)	25mL	10	8.260	22.40		TV=24.12

RO 7/12/4

LCS1 ID IN372-25-8695 = 257.1 mg/Kg 71.6 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
LCS2 ID IN372-25-~~7979~~ TV = 24.12 mg/L 92.9 %Rec. (376.1&9034A- 90-110%) (7.3.4.2 S-2- 70-130%)
MS ID IN372-25-8695 TV = 229.55 mg/Kg ~~65.7~~ 68.46 %Rec. (376.1&9034A- 80-120%) (7.3.4.2 S-2- 20-120%)
RO 7/12/4
%RPD 0 (376.1&9034A ≤20%) (7.3.4.2 S-2 <30%)

Iodine Lot # 361-92-7977

Calculation: $S^{-2} = \frac{(\text{Vol } I_2 * \text{N } I_2) - (\text{Vol Thios} * \text{N Thios}) * 16{,}000}{\text{Vol/Weight}}$

$TV_{(LCS1)} = \frac{51.42 \cdot 5}{1} = 257.1$

$TV_{(MS)} = \frac{51.42 \cdot 5}{1.12} = 229.55$

Reviewed By: RO Date: 7/12/4

ljob 1/5/2004 12:10 PM

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Bulk Sample Summary Report

Client Name: **Tetra Tech EM Inc.**
Project Name: **J&W Drum Service/GA**
Project Number: **G9007E040607**

Lab ID# 102082-0
AES Job Number: **0407424**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
JW-WA-23 Layer: 1	0407424 -001A		3	ND	ND	ND	ND	ND	Iron Oxide 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: A. Gen
Arkadiy Gendlin

QC Analyst: Andrew W Pittman
Andrew Pittman

USEPA Contract Laboratory Program
Generic Chain of Custody

0407424

Reference Case: R
Client No:

Region:	4	**Date Shipped:**	7/13/2004	**Chain of Custody Record**	**Sampler Signature:**
Project Code:	G9007E040607	**Carrier Name:**	Hand Delivery	**Relinquished By** (Date / Time)	**Received By** (Date / Time)
Account Code:		**Airbill:**		1	1
CERCLIS ID:	GA984310797	**Shipped to:**	AES 3785 Presidential Parkway Norcross GA 30093 (770) 457-8177	2	2
Spill ID:				3	3
Site Name/State:	J&W Drum Service/GA			4	4
Project Leader:	Alan Whitt				
Action:					
Sampling Co:	Tetra Tech EM Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
JW-WA-23	Waste/ Alan Whitt	M/G	ASBEST (1) NEXT DAY RUSH; LUNCH	(Not preserved) (1)	JW-WA-23	S: 7/13/2004 10:30 E: 7/13/2004 10:48	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: ASBEST = Asbestos	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 4-452717352-071304-0001

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PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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

Analytical Environmental Services, Inc.
Sample Receipt Checklist

CompanyName: EPA

AES Job Number 0407424 Date Received: 7/13/04 Time Received: 12:00 AM/PM

Project Description:

Carrier Name: Client

Checklist Completed By: [signature] 7/13/04 (Signature and Date) Reviewed By: [signature] 07/13/04 (Signature and Date)

Shipping container in good condition?	Yes ✓	No
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
(For Asbestos Only) Is a known field blank included?	Yes	No ✓

Any No and/or NA (Not Applicable) response must be detailed in the comments section below:

Client contacted Date contacted Person contacted

Contacted by Regarding

Comments

Corrective action

TABLE OF CONTENTS

- Laboratory Report Summary Sheets
- Sample Receipt Check List
- Chain of Custody
- Case Narrative

- **Inorganic Analysis Data Package**
- **TCLP Metals Fraction-Aqueous Samples**
- QC Data
- Raw Data

This Data Package contains 34 total pages (including table of contents).

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT:	Tetra Tech EM Inc.	**Client Sample ID:**	JW-WA-13
Lab Order:	0407779	**Tag Number:**	
Project:	J+W Drums	**Collection Date:**	6/28/2004 3:50:00 PM
Lab ID:	0407779-001A	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	BatchID	DF	Date Analyzed
ICP METALS, TCLP		**SW1311/6010B**			**(SW3010A)**		Analyst: **CDW**
Chromium	84.8	0.0500	*	mg/L	47922	1	7/22/2004 12:01:00 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.

Sample/Cooler Receipt Checklist

Client TetraTech Work Order Number 0406086/0407779

Checklist completed by [illegible] 6/28/14
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 4.6°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 NO.

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

0407779

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case:
Client No:
R

Region:	4	Date Shipped:	6/28/2004
Project Code:		Carrier Name:	Hand Delivery
Account Code:	G9007E040605	Airbill:	
CERCLIS ID:	GA984310797	Shipped to:	AES
Spill ID:			
Site Name/State:	J&W Drum Service/GA		() -
Project Leader:	Alan Whitt		
Action:			
Sampling Co:	Tetra Tech EM Inc.		

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	6/28/04 1800	[signature]	6/28/04 18:00
2			
3			
4			

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
JW-WA-13	Wastewater/ Neil Daniell	H/G	CORR (5), Flash (5), IGNIT (5), pH (5), R_CN (5), R_S- (5), SVOCs (5), TAL Metals (5), VOCs (5)	(9)	JW-WA-13	S: 6/28/2004 15:50 E: 6/28/2004 15:50	--

CALL JOHN SCHENDEL (404) 225-5516 WITH RESULTS.

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [signature]	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

CORR = Corrosivity (steel), Flash = Flash Point, IGNIT = Ignitability, pH = pH, R_CN = Reactive Cyanide, R_S- = Reactive Sulfide, SVOCs = SVOC, TAL Metals = TAL Metals, VOCs = VOC

TR Number: 4-452717352-062804-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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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

F2V5.1.047 Page 1 of 1

Analytical Environmental Services, Inc. **Date:** *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Project: J+W Drums
Lab Order: 0407779

CASE NARRATIVE

John Schendel requested TCLP Cr as next day rush for this sample 7/21/04.

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/22/2004 8:00:00 A**
Prep End Date: **7/22/2004 9:16:36 A**

Prep Factor Units: **mL / mL**

Prep Batch **47922** Prep Code: **3010A** Technician: **Roberta McGhee**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407779-001A	Aqueous		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-001B	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-001BDL	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-001BDUP	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-001BMS	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-001BPDS	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-002B	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-003B	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407814-004B	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407818-001A	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407825-001A	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407825-002A	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
0407825-003A	Soil		10	0	0	50	5.000	7/22/2004	7/22/2004
LCS-47922			10	0	0	50	5.000	7/22/2004	7/22/2004
MB-47922			10	0	0	50	5.000	7/22/2004	7/22/2004

Analytical Environmental Services, Inc.

PREP BATCH REPORT

Prep Start Date: **7/21/2004 3:00:00 P**
Prep End Date: **7/22/2004 7:00:00 A**

Prep Factor Units: **mL / Kg**

Prep Batch **47907** Prep Code: **1311_BOTTLE** Technician: **Austin Newcombe**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
0407779-001A	Aqueous		0.1	0	0	2000	20000.000	7/21/2004	7/22/2004
The prep HoldTime was exceeded by 8.85 days.									
0407814-001B	Soil		0.10008	0	0	2000	19984.013	7/21/2004	7/22/2004
0407814-002B	Soil		0.10009	0	0	2000	19982.016	7/21/2004	7/22/2004
0407814-003B	Soil		0.1	0	0	2000	20000.000	7/21/2004	7/22/2004
0407814-004B	Soil		0.10009	0	0	2000	19982.016	7/21/2004	7/22/2004
0407818-001A	Soil		0.10007	0	0	2000	19986.010	7/21/2004	7/22/2004
0407825-001A	Soil		0.10004	0	0	2000	19992.003	7/21/2004	7/22/2004
0407825-002A	Soil		0.10001	0	0	2000	19998.000	7/21/2004	7/22/2004
0407825-003A	Soil		0.1	0	0	2000	20000.000	7/21/2004	7/22/2004
MB-47907			0.1	0	0	2000	20000.000	7/21/2004	7/22/2004

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	**MB-47922**	SampType:	**MBLK**	TestCode:	**1311_M**	Units:	**mg/L**	Prep Date:	**7/22/2004**	RunNo:	**53557**		
Client ID:		Batch ID:	**47922**	TestNo:	**SW1311/6010**			Analysis Date:	**7/22/2004**	SeqNo:	**1030618**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0500									

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		

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID **LCS-47922**	SampType: **LCS**	TestCode: **1311_M**	Units: **mg/L**	Prep Date: **7/22/2004**	RunNo: **53557**
Client ID:	Batch ID: **47922**	TestNo: **SW1311/6010**		Analysis Date: **7/22/2004**	SeqNo: **1030617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	4.933	0.0500	5	0.00625	98.5	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		

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	**0407814-001BMS**	SampType:	**MS**	TestCode:	**1311_M**	Units:	**mg/L**	Prep Date:	**7/22/2004**	RunNo:	**53557**		
Client ID:		Batch ID:	**47922**	TestNo:	**SW1311/6010**			Analysis Date:	**7/22/2004**	SeqNo:	**1030621**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	5.067	0.0500	5	0	101	50	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		

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	**0407814-001BDUP**	SampType:	**DUP**	TestCode:	**1311_M**	Units:	**mg/L**	Prep Date:	**7/22/2004**	RunNo:	**53557**		
Client ID:		Batch ID:	**47922**	TestNo:	**SW1311/6010**			Analysis Date:	**7/22/2004**	SeqNo:	**1030620**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0500	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		

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	**0407814-001BDL**	SampType:	**DL**	TestCode:	**1311_M**	Units:	**mg/L**	Prep Date:	**7/22/2004**	RunNo:	**53557**				
Client ID:		Batch ID:	**47922**	TestNo:	**SW1311/6010**			Analysis Date:	**7/22/2004**	SeqNo:	**1030638**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.250	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		

Analytical Environmental Services, Inc.

Date: *05-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	**0407814-001BPDS**	SampType:	**PDS**	TestCode:	**1311_M**	Units:	**mg/L**	Prep Date:	**7/22/2004**	RunNo:	**53557**				
Client ID:		Batch ID:	**47922**	TestNo:	**SW1311/6010**			Analysis Date:	**7/22/2004**	SeqNo:	**1030639**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	9.912	0.100	10	0	99.1	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		

Analytical Environmental Services, Inc.

Date: *10-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47922

Sample ID: **ICB** SampType: **ICB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030562**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	0	0	0	0	0	0	0		

Sample ID: **ICV** SampType: **ICV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030560**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.5	0.0100	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		

Analytical Environmental Services, Inc.

Date: *10-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47922

Sample ID: **CCV** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030568**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.012	0.0100	1	0	101	90	110	0	0		

Sample ID: **CCV1** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.019	0.0100	1	0	102	90	110	0	0		

Sample ID: **CCV2** SampType: **CCV** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.971	0.0100	2	0	98.5	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		

Analytical Environmental Services, Inc.

Date: *10-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47922

Sample ID: **CCB** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	0	0	0	0	0	0	0		

Sample ID: **CCB1** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	0	0	0	0	0	0	0		

Sample ID: **CCB2** SampType: **CCB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030663**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	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		

Analytical Environmental Services, Inc.

Date: *10-Aug-04*

CLIENT: Tetra Tech EM Inc.
Work Order: 0407779
Project: J+W Drums

ANALYTICAL QC SUMMARY REPORT

BatchID: 47922

Sample ID: **ICSA** SampType: **ICSA** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	0	0	0	80	120	0	0		

Sample ID: **ICSA** SampType: **ICSA** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	BRL	0.0100	0	0	0	80	120	0	0		

Sample ID: **ICSAB** SampType: **ICSAB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.4564	0.0100	0.5	0	91.3	80	120	0	0		

Sample ID: **ICSAB** SampType: **ICSAB** TestCode: **6010B_W_T** Units: **mg/L** Prep Date: RunNo: **53557**
Client ID: Batch ID: **47922** TestNo: **SW6010B** Analysis Date: **7/22/2004** SeqNo: **1030670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.4535	0.0100	0.5	0	90.7	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		

AES, Inc
3785 Presidential Parkway
Atlanta, GA 30340

Document ID No.: MET - 200

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

AES Batch #: 47922
Matrix : H_2O \ TCLP
Prep Date: 7-22-04

HNO_3: 8747
HCl: 8746
H_2O_2: N/A

LCS/LCSD ID: MET-1161-097 → 0.5 mL Each; VHG # 8342
LCS Theo. Conc.: 10, 0, 1.0, 0.1
MS/MSD ID#: 10, 0, 1.0, 0.1
MS Theo. Conc.: 10, 0, 1.0, 0.1
Prep. Method #: 3010 A
Balance #: N/A

Hotblock ID and Temp: A 97°C
ermomtr ID & Calib.Exp. AES 1529 12-14-04

AES Project #	Sample Number	Initial Vol. (mL)	Sample wt grams	Final Vol. (mL)	pH Check	Comments
47922	LCS	10mL	N/A	50mL	✓	MB 47907 FL-1- MET-201-003
RPM 7-22-04	MB				✓	FL-1- MET-201-003
0407814	001B Orig.				✓	TCLP
	001B DUP				✓	
	001B MS				✓	
	002B				✓	
	003B				✓	
RPM 7-22-04	004B				✓	
0407779	001A				✓	
0407818	001A				✓	
0407825	001A				✓	
	002A				✓	
RPM 7-21-04	003A	RPM 7-22-04	RPM 7-22-04	RPM 7-22-04	✓	RPM 7-22-04

RPM

7-22-04

Initial pH of the samples must be ≤ 2. If pH is higher than 2, notify the Laboratory Manager.

Analyst: RPM Date: 7-22-04

AES,Inc.
3785 Presidential Parkway
Atlanta, GA 30340

TCLP/SPLP PREPARATION DATA SHEET

EPA Method 1311/1312

AES Method LP-14001/ LP-14004

Analyst : AN

Date/Time Start : 7/21/04 3:00 P.M AN

Date/Time Stop : 7/22/04 2:00 A.M KM

Date : 7/21/04

Room Temp : 22 (23+\-2°C)

RPM : 30 (30+\-2 RPM)

Batch ID #: 47907

No.	Lab ID	Preliminary Evaluation: Initial wt. Sample	Initial wt filter	Dry Wt Sample+ filter (g)	Dry Wgt sample	% Solid	Initial pH I (<5)	TCLP Extractions: After 1N HCL pH II	Sample Amt (g)	Fluid #1 (mL)	Fluid #2 (mL)	pH Final	Comments
1	MB47907	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2000	N/A	N/A	
2	0407779-1A	104.05	1.27	4.85	3.58	3.44%	4.87		3.62	70			
3	0407814-1B	N/A	N/A	N/A	N/A	N/A	4.91		100.05	2000			
4	-2B						4.46		100.09	2000			
5	-3B						5.22	2.41	100.00	2000			
6	-4B						4.89	N/A	100.09	2000			
7	0407818-1A						N/A		100.07	2000			
8	0407825-1A						5.78	2.29	100.04	2000			
9	-2A						3.97	N/A	100.01	2000			
10	-3A						3.92		100.00	2000			
11													
12													
13													
14													
15													
16													
17									AN 7/21/04				
18													
19													
20													
21													
22													

Fluid #1 Lot #: MET-201-003

Fluid #2 Lot #: N/A

1N HCl Lot #: MET-161-074

Analysis Report Summary 07/23/04 06:32:11 AM page 1

ICV= Mt- 184-010
ICAL= Mt- 184-011
ICAL2= Mt-184-012

Reviewed 7-23-04 CDW

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD1-BLANK	72204A	ICPCLP	07/22/04	10:26		X	IR
2	ICAL	72204A	ICPCLP	07/22/04	10:30		X	IR
3	ICAL2	72204A	ICPCLP	07/22/04	10:35		X	IR
4	CKSTD	72204A	ICPCLP	07/22/04	10:39	CDW	Q	CONC
5	ICV	72204A	ICPCLP	07/22/04	10:45	CDW	Q	CONC
6	ICB	72204A	ICPCLP	07/22/04	10:51	CDW	B	CONC
7	CRI	72204A	ICPCLP	07/22/04	10:55	CDW	Q	CONC
8	CRI2	72204A	ICPCLP	07/22/04	11:00	CDW	Q	CONC
9	ICSA	72204A	ICPCLP	07/22/04	11:05	CDW	Q	CONC
10	ICSAB	72204A	ICPCLP	07/22/04	11:10	CDW	Q	CONC
11	CCV	72204A	ICPCLP	07/22/04	11:15	CDW	Q	CONC
12	CCB	72204A	ICPCLP	07/22/04	11:21	CDW	B	CONC
13	LCS-47922	72204A	ICPCLP	07/22/04	11:25	CDW	S	CONC
14	MB-47922	72204A	ICPCLP	07/22/04	11:30	CDW	S	CONC
15	0407814-001B	72204A	ICPCLP	07/22/04	11:34	CDW	S	CONC
16	0407814-001BDUP	72204A	ICPCLP	07/22/04	11:39	CDW	S	CONC
17	0407814-001BMS	72204A	ICPCLP	07/22/04	11:43	CDW	S	CONC
18	0407814-002B	72204A	ICPCLP	07/22/04	11:48	CDW	S	CONC
19	0407814-003B	72204A	ICPCLP	07/22/04	11:52	CDW	S	CONC
20	0407814-004B	72204A	ICPCLP	07/22/04	11:57	CDW	S	CONC
21	0407779-001A	72204A	ICPCLP	07/22/04	12:01	CDW	S	CONC
22	0407818-001A	72204A	ICPCLP	07/22/04	12:06	CDW	S	CONC
23	CCV1	72204A	ICPCLP	07/22/04	12:11	CDW	Q	CONC
24	CCB1	72204A	ICPCLP	07/22/04	12:17	CDW	B	CONC
25	0407825-001A	72204A	ICPCLP	07/22/04	12:22	CDW	S	CONC
26	0407825-002A	72204A	ICPCLP	07/22/04	12:26	CDW	S	CONC
27	0407825-003A	72204A	ICPCLP	07/22/04	12:33	CDW	S	CONC
28	0407814-001BDL	72204A	ICPCLP	07/22/04	12:37	CDW	S	CONC
29	0407814-001BPDS	72204A	ICPCLP	07/22/04	12:42	CDW	S	CONC
30	LCS-47924	72204A	ICPCLP	07/22/04	12:47	CDW	S	CONC
31	LCSD-47924	72204A	ICPCLP	07/22/04	12:52	CDW	S	CONC
32	MB-47924	72204A	ICPCLP	07/22/04	12:56	CDW	S	CONC
33	0407827-001A	72204A	ICPCLP	07/22/04	13:01	CDW	S	CONC
34	0407827-002A	72204A	ICPCLP	07/22/04	13:05	CDW	S	CONC
35	CCV2	72204A	ICPCLP	07/22/04	13:11	CDW	Q	CONC
36	CCB2	72204A	ICPCLP	07/22/04	13:17	CDW	B	CONC
37	0407827-003A	72204A	ICPCLP	07/22/04	13:21	CDW	S	CONC
38	0407827-004A	72204A	ICPCLP	07/22/04	13:25	CDW	S	CONC
39	0407827-005A	72204A	ICPCLP	07/22/04	13:30	CDW	S	CONC
40	ICSA	72204A	ICPCLP	07/22/04	13:36	CDW	Q	CONC
41	ICSAB	72204A	ICPCLP	07/22/04	13:40	CDW	Q	CONC
42	CCV2	72204A	ICPCLP	07/22/04	13:47	CDW	Q	CONC
43	CCB2	72204A	ICPCLP	07/22/04	13:53	CDW	B	CONC
44	STD1-BLANK	72204B	ICPCLP	07/22/04	16:10		X	IR
45	ICAL	72204B	ICPCLP	07/22/04	16:15		X	IR
46	ICAL2	72204B	ICPCLP	07/22/04	16:19		X	IR
47	CKSTD	72204B	ICPCLP	07/22/04	16:24	CDW	Q	CONC
48	ICV	72204B	ICPCLP	07/22/04	16:30	CDW	Q	CONC
49	ICB	72204B	ICPCLP	07/22/04	16:35	CDW	B	CONC
50	CRI	72204B	ICPCLP	07/22/04	16:40	CDW	Q	CONC
51	CRI2	72204B	ICPCLP	07/22/04	16:44	CDW	Q	CONC
52	ICSA	72204B	ICPCLP	07/22/04	16:50	CDW	Q	CONC
53	ICSAB	72204B	ICPCLP	07/22/04	16:54	CDW	Q	CONC

1311_M

N7300

Analysis Report Summary 07/23/04 06:32:11 AM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	72204B	ICPCLP	07/22/04	17:00	CDW	Q	CONC
55	CCB	72204B	ICPCLP	07/22/04	17:06	CDW	B	CONC
~~56~~	~~LCS-47921~~	~~72204B~~	~~ICPCLP~~	~~07/22/04~~	~~17:10~~	~~CDW~~	~~S~~	~~CONC~~ CDW 7-23-04
57	LCS-47921	72204B	ICPCLP	07/22/04	17:18	CDW	S	CONC
58	LCSD-47921	72204B	ICPCLP	07/22/04	17:23	CDW	S	CONC
59	MB-47921	72204B	ICPCLP	07/22/04	17:27	CDW	S	CONC
60	0407157-001A	72204B	ICPCLP	07/22/04	17:32	CDW	S	CONC
61	0407157-002A	72204B	ICPCLP	07/22/04	17:36	CDW	S	CONC
62	0407157-003A	72204B	ICPCLP	07/22/04	17:41	CDW	S	CONC
63	0407157-004A	72204B	ICPCLP	07/22/04	17:46	CDW	S	CONC
64	0407157-005A	72204B	ICPCLP	07/22/04	17:50	CDW	S	CONC
65	ICSA	72204B	ICPCLP	07/22/04	17:56	CDW	Q	CONC
66	ICSAB	72204B	ICPCLP	07/22/04	18:00	CDW	Q	CONC
67	CCV1	72204B	ICPCLP	07/22/04	18:06	CDW	Q	CONC
68	CCB1	72204B	ICPCLP	07/22/04	18:11	CDW	B	CONC
~~69~~	~~LCS-47925~~	~~72204B~~	~~ICPCLP~~	~~07/22/04~~	~~18:16~~	~~CDW~~	~~S~~	~~CONC~~
70	MB-47925	72204B	ICPCLP	07/22/04	18:20	CDW	S	CONC
71	0407408-002A	72204B	ICPCLP	07/22/04	18:25	CDW	S	CONC
72	0407408-002ADUP	72204B	ICPCLP	07/22/04	18:29	CDW	S	CONC
73	0407408-002AMS	72204B	ICPCLP	07/22/04	18:34	CDW	S	CONC
74	0407408-003A	72204B	ICPCLP	07/22/04	18:38	CDW	S	CONC
75	0407408-004A	72204B	ICPCLP	07/22/04	18:43	CDW	S	CONC
76	0407408-005A	72204B	ICPCLP	07/22/04	18:47	CDW	S	CONC
77	0407408-006A	72204B	ICPCLP	07/22/04	18:52	CDW	S	CONC
78	0407408-008A	72204B	ICPCLP	07/22/04	18:56	CDW	S	CONC
79	CCV1	72204B	ICPCLP	07/22/04	19:02	CDW	Q	CONC
80	CCB1	72204B	ICPCLP	07/22/04	19:08	CDW	B	CONC
81	0407408-009A	72204B	ICPCLP	07/22/04	19:12	CDW	S	CONC
82	0407408-011A	72204B	ICPCLP	07/22/04	19:17	CDW	S	CONC
83	0407408-012A	72204B	ICPCLP	07/22/04	19:21	CDW	S	CONC
84	0407408-014A	72204B	ICPCLP	07/22/04	19:26	CDW	S	CONC
85	0407408-015A	72204B	ICPCLP	07/22/04	19:30	CDW	S	CONC
86	0407408-017A	72204B	ICPCLP	07/22/04	19:35	CDW	S	CONC
87	0407408-018A	72204B	ICPCLP	07/22/04	19:39	CDW	S	CONC
88	0407408-002ADL	72204B	ICPCLP	07/22/04	19:43	CDW	S	CONC
89	0407408-002APDS	72204B	ICPCLP	07/22/04	19:48	CDW	S	CONC
90	CCV2	72204B	ICPCLP	07/22/04	19:54	CDW	Q	CONC
91	CCB2	72204B	ICPCLP	07/22/04	19:59	CDW	B	CONC
92	LCS-47947	72204B	ICPCLP	07/22/04	20:04	CDW	S	CONC
93	MB-47947	72204B	ICPCLP	07/22/04	20:08	CDW	S	CONC
94	0407843-001B	72204B	ICPCLP	07/22/04	20:13	CDW	S	CONC
95	0407843-001BDUP	72204B	ICPCLP	07/22/04	20:17	CDW	S	CONC
96	0407843-001BMS	72204B	ICPCLP	07/22/04	20:22	CDW	S	CONC
97	0407843-002B	72204B	ICPCLP	07/22/04	20:26	CDW	S	CONC
98	0407843-003B	72204B	ICPCLP	07/22/04	20:31	CDW	S	CONC
99	0407843-004B	72204B	ICPCLP	07/22/04	20:35	CDW	S	CONC
100	0407843-005B	72204B	ICPCLP	07/22/04	20:40	CDW	S	CONC
101	0407843-006B	72204B	ICPCLP	07/22/04	20:44	CDW	S	CONC
102	CCV	72204B	ICPCLP	07/22/04	20:50	CDW	Q	CONC
103	CCB	72204B	ICPCLP	07/22/04	20:55	CDW	B	CONC
104	0407843-007B	72204B	ICPCLP	07/22/04	21:00	CDW	S	CONC
105	0407843-008B	72204B	ICPCLP	07/22/04	21:04	CDW	S	CONC
106	0407843-009B	72204B	ICPCLP	07/22/04	21:09	CDW	S	CONC
107	0407843-010B	72204B	ICPCLP	07/22/04	21:13	CDW	S	CONC

N730

CDW 7-23-04

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	0407843-001C	72204B	ICPCLP	07/22/04	21:18	CDW	S	CONC
109	0407843-002C	72204B	ICPCLP	07/22/04	21:22	CDW	S	CONC
110	0407843-003C	72204B	ICPCLP	07/22/04	21:27	CDW	S	CONC
111	0407843-004C	72204B	ICPCLP	07/22/04	21:31	CDW	S	CONC
112	0407843-005C	72204B	ICPCLP	07/22/04	21:36	CDW	S	CONC
113	0407843-006C	72204B	ICPCLP	07/22/04	21:40	CDW	S	CONC
114	CCV1	72204B	ICPCLP	07/22/04	21:46	CDW	Q	CONC
115	CCB1	72204B	ICPCLP	07/22/04	21:52	CDW	B	CONC
116	0407843-007C	72204B	ICPCLP	07/22/04	21:56	CDW	S	CONC
117	0407843-008C	72204B	ICPCLP	07/22/04	22:01	CDW	S	CONC
118	0407843-009C	72204B	ICPCLP	07/22/04	22:05	CDW	S	CONC
119	0407843-010C	72204B	ICPCLP	07/22/04	22:10	CDW	S	CONC
120	0407843-001BDL	72204B	ICPCLP	07/22/04	22:14	CDW	S	CONC
121	0407843-001BPDS	72204B	ICPCLP	07/22/04	22:19	CDW	S	CONC
122	ICSA	72204B	ICPCLP	07/22/04	22:25	CDW	Q	CONC
123	ICSAB	72204B	ICPCLP	07/22/04	22:30	CDW	Q	CONC
124	CCV2	72204B	ICPCLP	07/22/04	22:37	CDW	Q	CONC
125	CCB2	72204B	ICPCLP	07/22/04	22:42	CDW	B	CONC

CDW
7-23-04

#	Sample Name	Ag	Al	As	Ba	Be	Ca
1	STD1-BLANK	.04349	.20448	0	.01149	-.11549	.22398
2	ICAL	2.92735	19.055	2.43537	31.9339	15.2087	32.0349
3	ICAL2	5.9332	36.7876	4.88225	63.1308	30.6715	63.1518
4	CKSTD	.1010	9.855	1.008	.9939	1.004	10.07
5	ICV	.0502	5.078	.4960	.5040	.4985	5.031
6	ICB	-.0007	.0051	.0002	.0001	.0003	-.0269
7	CRI	.0008	.8387	.0100	.0134	.0098	.2273
8	CRI2	.0090	1.078	.1020	.1030	.1003	1.025
9	ICSA	.0002	226.5	.0037	-.0000	.0001	213.3
10	ICSAB	.0493	230.8	.4849	.4590	.4826	218.4
11	CCV	.1013	10.04	1.025	1.001	1.019	10.16
12	CCB	-.0013	.0383	-.0009	.0001	.0004	.0569
13	LCS-47922	.0990	8.399	1.057	.9161	1.027	9.824
14	MB-47922	-.0009	.1464	-.0011	.0050	.0003	.3384
15	0407814-001B	-.0017	.1925	.0045	.1560	-.0000	3.193
16	0407814-001BDUP	-.0008	.1850	.0028	.1688	-.0001	3.419
17	0407814-001BMS	.1007	8.703	1.075	1.129	1.051	13.81
18	0407814-002B	-.0016	.2201	-.0039	.1625	.0004	2.110
19	0407814-003B	-.0003	.1931	-.0005	.1815	.0000	10.69
20	0407814-004B	-.0011	.1497	-.0010	.1480	-.0001	6.040
21	0407779-001A	-.0002	.8590	.0593	.0478	-.0007	2.479
22	0407818-001A	-.0014	.1614	.0016	.0616	-.0001	173.3
23	CCV1	.1020	10.06	1.034	1.011	1.031	10.26
24	CCB1	-.0006	.0055	.0001	.0003	.0003	-.0055
25	0407825-001A	-.0021	.1987	-.0013	.1768	-.0001	7.637
26	0407825-002A	-.0005	.2373	-.0001	.1241	-.0001	1.450
27	0407825-003A	.0004	.1782	-.0001	.1319	-.0001	2.221
28	0407814-001BDL	.0003	.1527	.0009	.0341	-.0001	.7503
29	0407814-001BPDS	.1006	9.356	1.040	1.031	1.020	11.44
30	LCS-47924	.2459	22.51	2.539	2.410	2.551	24.78
31	LCSD-47924	.2520	23.14	2.603	2.471	2.611	25.42
32	MB-47924	.0014	.2492	-.0023	.0031	.0011	.1450
33	0407827-001A	-.0010	.2407	-.0007	.0010	-.0000	.1334
34	0407827-002A	-.0005	.2539	.0007	.0006	-.0003	.1635
35	CCV2	.2008	19.06	2.025	1.937	1.994	19.64
36	CCB2	-.0013	.0099	-.0012	.0005	.0008	-.0164
37	0407827-003A	-.0002	.8165	.0035	.0415	-.0001	35.94
38	0407827-004A	-.0006	.7914	.0025	.0253	-.0003	40.62
39	0407827-005A	-.0017	.2524	-.0001	.0011	-.0004	.7205
40	ICSA	-.0008	227.1	.0023	-.0001	.0000	215.3
41	ICSAB	.0484	229.5	.4855	.4573	.4787	219.3
42	CCV2	.2008	19.07	2.020	1.940	1.990	19.74
43	CCB2	.0009	.0493	.0042	.0011	.0010	.0139
44	STD1-BLANK	.00799	.31998	.00249	.01099	-.11749	.31698
45	ICAL	3.06484	19.4865	2.49337	32.7599	15.5962	33.0903
46	ICAL2	6.13069	37.1621	4.93525	63.8323	30.9285	64.3733
47	CKSTD	.0989	9.736	.9967	.9874	.9904	9.978
48	ICV	.0487	5.050	.4997	.5039	.4994	5.031
49	ICB	.0002	-.0158	-.0018	.0001	.0004	-.0398
50	CRI	.0013	.8337	.0090	.0137	.0100	.1648
51	CRI2	.0094	1.035	.0947	.1018	.0982	.9967
52	ICSA	.0004	220.5	-.0001	-.0001	.0001	207.5
53	ICSAB	.0460	225.4	.4735	.4517	.4674	212.5

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#	Sample Name	Ag	Al	As	Ba	Be	Ca
54	CCV	.0979	9.781	.9847	.9820	.9802	9.819
55	CCB	.0011	.0323	.0041	.0004	.0005	.0564
56	~~LCS-47921~~	.1840	15.79	1.693	1.638	1.672	16.67
57	LCS-47921	.1809	17.54	1.844	1.793	1.825	18.09
58	LCSD-47921	.1940	18.61	1.972	1.908	1.945	19.11
59	MB-47921	.0007	.1075	.0009	.0036	.0012	.1062
60	0407157-001A	-.0004	.0981	.0083	.0017	.0002	.0454
61	0407157-002A	-.0012	.0638	.0059	.0007	-.0004	.0638
62	0407157-003A	-.0000	.0905	.0048	.0011	-.0005	.0579
63	0407157-004A	-.0007	.0755	.0052	.0010	-.0003	.0434
64	0407157-005A	.0000	.0903	-.0025	.0010	-.0001	.0744
65	ICSA	-.0003	221.9	.0029	-.0001	.0001	208.3
66	ICSAB	.0482	225.2	.4772	.4502	.4678	213.6
67	CCV1	.0983	9.835	.9856	.9877	.9926	9.953
68	CCB1	-.0009	.0117	-.0004	.0002	.0006	-.0099
69	~~LCS-47925~~	.1005	9.605	1.010	.9728	1.009	10.21
70	MB-47925	-.0022	-.0641	.0026	-.0005	.0030	-.0508
71	0407408-002A	-.0014	-.0749	-.0007	-.0003	.0032	-.0498
72	0407408-002ADUP	-.0019	-.0770	-.0012	-.0004	.0033	-.0505
73	0407408-002AMS	-.0007	-.0781	-.0007	-.0002	.0033	-.0495
74	0407408-003A	-.0008	-.0766	-.0002	-.0003	.0034	-.0495
75	0407408-004A	-.0006	-.0798	-.0009	-.0002	.0034	-.0493
76	0407408-005A	-.0012	-.0812	-.0006	-.0003	.0034	-.0501
77	0407408-006A	-.0006	-.0822	-.0008	-.0002	.0035	-.0492
78	0407408-008A	-.0008	-.0820	-.0000	-.0002	.0035	-.0492
79	CCV1	Q-.0003	Q-.0816	Q-.0003	Q-.0002	Q.0035	Q-.0494
80	CCB1	-.0005	-.0832	.0001	-.0002	.0035	-.0494
81	0407408-009A	-.0003	-.0826	-.0005	-.0002	.0035	-.0492
82	0407408-011A	.0010	-.0760	.0035	.0001	.0036	-.0472
83	0407408-012A	-.0002	-.0862	-.0007	-.0001	.0035	-.0488
84	0407408-014A	-.0005	-.0832	-.0000	-.0002	.0036	-.0494
85	0407408-015A	-.0005	-.0844	.0005	-.0002	.0036	-.0493
86	0407408-017A	-.0004	-.0838	-.0009	-.0002	.0036	-.0492
87	0407408-018A	-.0005	-.0841	-.0006	-.0002	.0036	-.0492
88	0407408-002ADL	-.0005	-.0844	-.0001	-.0002	.0036	-.0492
89	0407408-002APDS	-.0004	-.0848	.0020	-.0002	.0036	-.0493
90	CCV2	Q-.0006	Q-.0856	Q-.0000	Q-.0002	Q.0036	Q-.0492
91	CCB2	-.0005	-.0850	-.0011	-.0002	.0036	-.0492
92	LCS-47947	-.0004	-.0849	-.0016	-.0002	.0036	-.0493
93	MB-47947	-.0004	-.0860	.0003	-.0002	.0036	-.0491
94	0407843-001B	-.0005	-.0854	-.0004	-.0002	.0036	-.0492
95	0407843-001BDUP	-.0005	-.0849	-.0009	-.0002	.0036	-.0492
96	0407843-001BMS	-.0005	-.0854	-.0003	-.0002	.0036	-.0492
97	0407843-002B	-.0003	-.0849	-.0004	-.0002	.0036	-.0492
98	0407843-003B	-.0004	-.0850	.0001	-.0002	.0037	-.0493
99	0407843-004B	-.0003	-.0848	-.0009	-.0002	.0036	-.0493
100	0407843-005B	-.0006	-.0857	-.0003	-.0002	.0036	-.0494
101	0407843-006B	-.0006	-.0852	.0005	-.0002	.0036	-.0492
102	CCV	Q-.0002	Q-.0861	Q-.0001	Q-.0002	Q.0036	Q-.0492
103	CCB	-.0005	-.0862	-.0007	-.0002	.0036	-.0492
104	0407843-007B	-.0009	-.0849	-.0017	-.0002	.0036	-.0493
105	0407843-008B	-.0004	-.0852	.0006	-.0002	.0036	-.0492
106	0407843-009B	-.0005	-.0853	-.0008	-.0002	.0036	-.0491
107	0407843-010B	-.0004	-.0854	.0001	-.0002	.0036	-.0491

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Keep these CDW 7-23-04

CDW 7-23-04

#	Sample Name	Ag	Al	As	Ba	Be	Ca
108	0407843-001C	-.0005	-.0854	.0007	-.0002	.0036	-.0492
109	0407843-002C	-.0004	-.0860	-.0004	-.0002	.0037	-.0491
110	0407843-003C	-.0002	-.0854	-.0007	-.0002	.0036	-.0492
111	0407843-004C	-.0004	-.0862	-.0013	.0002	.0037	-.0492
112	0407843-005C	-.0006	-.0854	.0005	-.0002	.0036	-.0492
113	0407843-006C	-.0004	-.0856	-.0008	-.0002	.0036	-.0493
114	CCV1	Q-.0006	Q-.0857	Q-.0005	Q-.0002	Q.0037	Q-.0492
115	CCB1	-.0004	-.0864	-.0008	-.0002	.0036	-.0492
116	0407843-007C	-.0005	-.0854	-.0012	-.0002	.0036	-.0494
117	0407843-008C	-.0005	-.0860	-.0015	-.0002	.0036	-.0492
118	0407843-009C	-.0004	-.0854	-.0005	-.0002	.0036	-.0494
119	0407843-010C	-.0005	-.0860	-.0008	-.0002	.0036	-.0493
120	0407843-001BDL	-.0004	-.0852	-.0009	-.0002	.0036	-.0493
121	0407843-001BPDS	-.0003	-.0861	.0003	-.0002	.0036	-.0492
122	ICSA	-.0005	Q-.0858	-.0010	-.0002	.0036	Q-.0492
123	ICSAB	Q-.0004	Q-.0860	Q-.0005	Q-.0002	Q.0037	Q-.0493
124	CCV2	Q-.0005	Q-.0861	Q-.0006	Q-.0002	Q.0036	Q-.0492
125	CCB2	-.0004	-.0856	.0007	-.0002	.0036	-.0492

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
1	STD1-BLANK	.02149	-.00449	.09399	.02699	-.01949	39.703
2	ICAL	40.3665	3.8943	21.5324	17.6776	14.5763	101.97
3	ICAL2	80.6985	7.79611	42.8294	35.0052	29.035	169.657
4	CKSTD	.9985	.9975	.9976	.9999	9.962	10.10
5	ICV	.4999	.5013	.5000	.5027	5.009	4.861
6	ICB	.0003	.0012	.0012	.0006	.0156	.0242
7	CRI	.0104	.0107	.0151	.0144	1.718	.1867
8	CRI2	.1028	.1030	.1023	.1039	1.038	.8545
9	ICSA	.0009	.0024	-.0002	.0010	88.17	-.1616
10	ICSAB	.4591	.4482	.4564	.4705	93.43	Q6.127
11	CCV	1.014	1.018	1.012	1.010	10.20	10.08
12	CCB	.0002	.0007	.0035	.0037	.0347	-.0030
13	LCS-47922	1.023	.9880	.9865	.9786	9.919	13.39
14	MB-47922	.0005	.0000	.0013	.0061	.0319	.2905
15	0407814-001B	.0136	.0009	.0005	.0127	.0300	2.370
16	0407814-001BDUP	.0149	.0019	.0017	.0152	.0417	2.572
17	0407814-001BMS	1.066	1.016	1.013	1.010	10.17	16.00
18	0407814-002B	.0115	.0010	.0009	.0084	.0245	1.939
19	0407814-003B	.0101	.0066	.0016	.0129	.0275	1.411
20	0407814-004B	.0087	.0051	.0014	.0310	.0250	.9476
21	0407779-001A	.0194	.0041	16.95	1.034	5.235	26.63
22	0407818-001A	-.0002	.0000	.0251	.0154	.0135	8.751
23	CCV1	1.024	1.025	1.019	1.024	10.24	10.20
24	CCB1	.0004	.0007	.0014	.0004	.0085	.0366
25	0407825-001A	-.0001	.0009	.0011	.0109	.0022	1.744
26	0407825-002A	.0001	.0021	.0015	.0075	.0247	.9194
27	0407825-003A	.0002	.0014	.0011	.0061	.0092	1.083
28	0407814-001BDL	.0030	.0002	.0004	.0025	.0221	.6130
29	0407814-001BPDS	1.018	.9996	.9912	.9915	9.928	13.04
30	LCS-47924	2.549	2.546	2.593	2.632	25.87	24.50
31	LCSD-47924	2.611	2.606	2.653	2.702	26.51	25.24
32	MB-47924	.0016	.0020	.0225	.0081	.0563	.1996

#	Sample Name	Cd	Co	Cr	Cu	Fe	K
33	0407827-001A	.0003	-.0004	.0544	.0010	.0546	.0807
34	0407827-002A	.0002	-.0003	.0432	.0009	.0446	.0746
35	CCV2	1.991	1.967	1.971	1.954	19.82	21.29
36	CCB2	.0006	.0003	.0012	-.0001	.0018	.1391
37	0407827-003A	.0017	.0627	.0655	.0551	4.595	3.273
38	0407827-004A	.0009	.0002	.0428	.0359	5.221	.5647
39	0407827-005A	-.0002	.0005	.0472	.0013	.0996	.1163
40	ICSA	.0007	.0021	-.0012	-.0002	88.83	-.0690
41	ICSAB	.4600	.4436	.4535	.4610	93.39	Q6.473
42	CCV2	1.992	1.956	1.965	1.945	19.87	21.45
43	CCB2	.0012	.0013	.0021	.0010	.0358	.1702
44	STD1-BLANK	.02449	.00199	.13149	.00699	.04499	42.4674
45	ICAL	41.8879	3.9253	21.9904	17.6596	15.0902	107.654
46	ICAL2	82.5504	7.68261	43.0988	34.6208	29.6605	177.118
47	CKSTD	.9897	.9909	.9875	.9865	9.875	10.15
48	ICV	.4997	.5021	.5006	.5047	5.012	4.832
49	ICB	.0002	.0001	.0003	.0002	-.0077	-.0090
50	CRI	.0104	.0104	.0145	.0141	1.785	.2023
51	CRI2	.0999	.1007	.0991	.1009	.9881	.8519
52	ICSA	.0001	.0015	-.0014	.0001	85.82	-.2285
53	ICSAB	.4442	.4354	.4433	.4598	90.91	Q5.868
54	CCV	.9782	.9847	.9802	.9812	9.842	9.913
55	CCB	.0004	-.0000	.0027	.0028	.0119	-.0380
56	LCS-47921	1.724	1.688	1.720	1.699	17.12	18.17
57	LCS-47921	1.844	1.836	1.848	1.829	18.40	19.54
58	LCSD-47921	1.940	1.940	1.934	1.930	19.34	20.48
59	MB-47921	.0014	.0009	.0209	.0056	.0363	.0914
60	0407157-001A	.1674	-.0003	8.583	.0000	.0037	-.0140
61	0407157-002A	.8485	-.0008	6.608	.0002	.0619	-.1032
62	0407157-003A	.5177	-.0013	3.535	.0000	.0005	-.0943
63	0407157-004A	.3166	-.0003	2.221	.0007	.0250	-.0744
64	0407157-005A	.0001	-.0010	.0269	.0000	.0211	.0317
65	ICSA	.0002	.0015	-.0009	-.0001	86.20	-.2607
66	ICSAB	.4461	.4365	.4435	.4575	91.16	Q5.970
67	CCV1	.9881	.9914	.9876	.9936	9.935	9.951
68	CCB1	.0002	-.0009	-.0005	-.0014	-.0166	-.0545
69	LCS-47925	1.011	1.000	.9925	.9942	10.08	10.21
70	MB-47925	-.0002	.0002	-.0016	.0011	.0124	-.8391
71	0407408-002A	-.0003	-.0003	-.0025	.0000	-.0089	-1.406
72	0407408-002ADUP	-.0005	-.0002	-.0027	.0001	-.0098	-1.512
73	0407408-002AMS	-.0002	-.0006	-.0029	-.0003	-.0128	-1.609
74	0407408-003A	-.0004	.0000	-.0025	.0005	-.0017	-1.696
75	0407408-004A	-.0002	-.0007	-.0028	-.0001	-.0129	-1.829
76	0407408-005A	-.0003	-.0004	-.0030	-.0000	-.0118	-1.919
77	0407408-006A	-.0002	-.0004	-.0030	-.0001	-.0119	-1.991
78	0407408-008A	-.0002	-.0004	-.0030	-.0003	-.0151	-2.039
79	CCV1	Q-.0002	Q-.0005	Q-.0030	Q-.0002	Q-.0111	Q-2.092
80	CCB1	-.0002	-.0005	-.0030	-.0003	-.0111	L-2.119
81	0407408-009A	-.0003	-.0003	-.0030	-.0003	-.0144	-2.142
82	0407408-011A	-.0001	.0005	-.0019	.0011	.0087	-2.122
83	0407408-012A	-.0001	-.0009	-.0034	-.0008	-.0235	-2.174
84	0407408-014A	-.0003	-.0004	-.0029	-.0003	-.0118	-2.219
85	0407408-015A	-.0002	-.0005	-.0030	-.0001	-.0114	-2.248
86	0407408-017A	-.0004	-.0004	-.0030	-.0002	-.0119	-2.280

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#	Sample Name	Cd	Co	Cr	Cu	Fe	K
87	~~0407408-018A~~	~~-.0003~~	~~-.0007~~	~~-.0030~~	~~-.0003~~	~~-.0143~~	-2.298
88	0407408-002ADL	-.0003	-.0003	-.0030	-.0001	-.0148	-2.327
89	0407408-002APDS	-.0003	-.0004	-.0030	-.0004	-.0134	-2.338
90	CCV2	Q-.0003	Q-.0003	Q-.0029	Q-.0001	Q-.0133	Q-2.343
91	CCB2	-.0003	-.0004	-.0030	-.0002	-.0119	L-2.347
92	LCS-47947	-.0003	-.0003	-.0030	-.0002	-.0136	-2.347
93	MB-47947	-.0002	-.0006	-.0030	-.0001	-.0118	-2.362
94	0407843-001B	-.0003	-.0004	-.0030	-.0001	-.0134	-2.367
95	0407843-001BDUP	-.0003	-.0004	-.0030	-.0002	-.0138	-2.374
96	0407843-001BMS	-.0003	-.0003	-.0030	-.0002	-.0133	-2.378
97	0407843-002B	-.0003	-.0003	-.0030	-.0002	-.0144	-2.380
98	0407843-003B	-.0003	-.0004	-.0031	-.0002	-.0133	-2.387
99	0407843-004B	-.0002	-.0002	-.0031	-.0002	-.0144	-2.392
100	0407843-005B	-.0003	-.0005	-.0030	-.0002	-.0153	-2.397
101	0407843-006B	-.0002	-.0003	-.0029	-.0003	-.0124	-2.398
102	CCV	Q-.0003	Q-.0005	Q-.0031	Q-.0003	Q-.0156	Q-2.400
103	CCB	-.0002	-.0006	-.0030	-.0002	-.0133	L-2.404
104	0407843-007B	-.0003	-.0004	-.0030	-.0001	-.0124	-2.404
105	0407843-008B	-.0002	-.0003	-.0031	-.0001	-.0143	-2.410
106	0407843-009B	-.0002	-.0003	-.0029	-.0002	-.0126	-2.412
107	0407843-010B	-.0003	-.0003	-.0030	-.0003	-.0133	-2.412
108	0407843-001C	-.0003	-.0002	-.0031	-.0003	-.0138	-2.416
109	0407843-002C	-.0003	-.0004	-.0030	-.0002	-.0138	-2.415
110	0407843-003C	-.0003	-.0005	-.0029	-.0002	-.0139	-2.415
111	0407843-004C	-.0003	-.0003	-.0031	-.0001	-.0118	-2.418
112	0407843-005C	-.0003	-.0004	-.0029	-.0003	-.0136	-2.419
113	0407843-006C	-.0002	-.0003	-.0031	-.0001	-.0129	-2.422
114	CCV1	Q-.0003	Q-.0004	Q-.0030	Q-.0003	Q-.0116	Q-2.422
115	CCB1	-.0003	-.0004	-.0030	-.0001	-.0134	L-2.431
116	0407843-007C	-.0003	-.0005	-.0031	-.0003	-.0143	-2.431
117	0407843-008C	-.0003	-.0004	-.0031	-.0003	-.0151	-2.427
118	0407843-009C	-.0003	-.0005	-.0031	-.0001	-.0138	-2.423
119	0407843-010C	-.0003	-.0003	-.0030	-.0002	-.0136	-2.424
120	0407843-001BDL	-.0002	-.0004	-.0030	-.0001	-.0141	-2.426
121	0407843-001BPDS	-.0003	-.0005	-.0030	-.0002	-.0150	-2.430
122	ICSA	-.0002	-.0003	-.0029	-.0003	Q-.0107	-2.430
123	ICSAB	Q-.0002	Q-.0004	Q-.0030	Q-.0003	Q-.0129	Q-2.429
124	CCV2	Q-.0003	Q-.0003	Q-.0029	Q-.0002	Q-.0148	Q-2.428
125	CCB2	-.0002	-.0004	-.0030	-.0001	-.0123	L-2.434

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#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
1	STD1-BLANK	.01449	.00299	.03749	-.03399	.27798	-.15699
2	ICAL	28.5041	16.9326	2.14639	15.8332	17.8306	19.622
3	ICAL2	56.3287	33.5588	4.43477	31.5709	35.2722	38.7346
4	CKSTD	9.908	.9951	10.21	.9949	.9968	1.002
5	ICV	Q5.011	.5024	4.932	.5021	.5070	.4989
6	ICB	.0075	.0004	-.0801	.0009	-.0056	.0061
7	CRI	.3674	.0250	.2282	.0142	.0084	.0132
8	CRI2	1.050	.1076	.7632	.1047	.0939	.1087
9	ICSA	226.8	.0037	-.0236	.0028	-.0431	.0217
10	ICSAB	231.8	.4614	4.466	.4452	.4145	.4757
11	CCV	10.14	1.010	10.13	1.016	1.015	1.010

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
12	CCB	.0333	.0005	-.0955	.0026	-.0076	.0064
13	LCS-47922	9.423	.9762	346.3	.9961	.9840	.9831
14	MB-47922	.0702	.0008	315.6	.0001	-.0012	.0032
15	0407814-001B	.7855	.0234	229.1	.0027	3.119	3.069
16	0407814-001BDUP	.8545	.0253	247.2	.0032	3.407	3.347
17	0407814-001BMS	10.67	1.030	297.6	1.026	4.981	4.954
18	0407814-002B	.5521	.0112	214.7	.0032	.5769	.5787
19	0407814-003B	2.412	.2505	306.8	.0029	.7179	.7142
20	0407814-004B	1.504	.1246	293.4	.0041	2.724	2.664
21	0407779-001A	.7800	.0867	402.4	.0212	.5329	.5301
22	0407818-001A	.0458	.0005	265.5	-.0002	.4364	.4367
23	CCV1	10.17	1.020	10.40	1.027	1.027	1.022
24	CCB1	.0057	.0005	.0063	.0005	-.0013	.0051
25	0407825-001A	.4611	.0488	362.7	-.0002	.4099	.4137
26	0407825-002A	.3046	.0497	308.5	.0005	.4312	.4269
27	0407825-003A	.3468	.1526	294.5	.0008	.4203	.4143
28	0407814-001BDL	.1751	.0063	48.60	.0005	.6500	.6457
29	0407814-001BPDS	10.06	.9970	128.8	1.003	2.588	2.567
30	LCS-47924	24.62	2.510	25.96	2.534	2.483	2.475
31	LCSD-47924	25.22	2.570	26.53	2.595	2.553	2.519
32	MB-47924	.0555	.0023	1.580	.0029	.0010	.0034
33	0407827-001A	.0228	.0013	.7574	.0024	-.0008	.0020
34	0407827-002A	.0270	.0008	.7383	.0024	-.0006	.0052
35	CCV2	19.75	1.956	20.78	1.975	1.980	1.990
36	CCB2	.0059	.0008	-.1864	.0003	-.0046	.0045
37	0407827-003A	4.085	.0857	13.74	.0081	.0338	.0350
38	0407827-004A	2.337	.0424	9.687	.0053	.0343	.0398
39	0407827-005A	.0619	.0014	.8258	.0019	-.0081	.0071
40	ICSA	230.0	.0035	-.0986	.0016	-.0376	.0193
41	ICSAB	234.0	.4580	4.503	.4432	.4163	.4694
42	CCV2	19.81	1.952	20.62	1.966	1.976	1.950
43	CCB2	.0419	.0013	.1045	.0013	-.0025	.0051
44	STD1-BLANK	.06899	.01049	.03899	-.01699	.01949	.03549
45	ICAL	29.9625	17.3306	2.19089	16.1347	17.8356	19.812
46	ICAL2	58.3786	33.8848	4.49177	31.5639	35.0967	39.064
47	CKSTD	9.817	.9863	10.22	.9857	.9878	.9920
48	ICV	Q5.003	.5032	4.776	.5028	.4965	.4980
49	ICB	-.0014	.0004	-.1090	.0006	-.0008	-.0002
50	CRI	.3659	.0249	.2175	.0142	.0166	.0098
51	CRI2	1.016	.1022	.8845	.1015	.1038	.0991
52	ICSA	218.8	.0033	.0029	.0014	-.0283	.0128
53	ICSAB	223.1	.4489	4.199	.4300	.4121	.4436
54	CCV	9.742	.9780	9.926	.9779	.9800	.9766
55	CCB	.0382	.0005	.0722	.0023	.0053	-.0021
56	LCS-47921	16.58	1.676	17.65	1.693	1.673	1.668
57	LCS-47921	17.99	1.814	19.84	1.832	1.818	1.823
58	LCSD-47921	19.00	1.915	20.21	1.931	1.929	1.930
59	MB-47921	.0289	.0020	.7622	.0033	.0071	-.0004
60	0407157-001A	.0143	.0011	.2757	.0032	1.243	1.258
61	0407157-002A	.0123	.0011	.0548	.0024	3.328	3.362
62	0407157-003A	.0105	.0032	.2598	.0024	2.525	2.526
63	0407157-004A	.0167	.0012	.2711	.0017	4.918	4.961
64	0407157-005A	.0161	.0533	.2298	.0024	.0078	.0030
65	ICSA	219.5	.0034	-.0229	.0014	-.0292	.0170

#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
66	ICSAB	224.5	.4493	4.500	.4326	.4148	.4547
67	CCV1	9.835	.9852	10.01	.9888	.9859	.9905
68	CCB1	.0198	.0002	-.1656	-.0007	.0066	-.0030
69	LCS-47925	9.970	.9911	11.36	1.004	.9930	1.001
70	MB-47925	.0016	-.0001	-.2805	.0001	-.0126	.0076
71	0407408-002A	-.0078	-.0002	-.1384	-.0006	-.0025	.0009
72	0407408-002ADUP	-.0088	-.0002	-.1756	-.0006	.0044	.0023
73	0407408-002AMS	-.0095	-.0002	-.0699	-.0005	-.0010	.0008
74	0407408-003A	-.0069	-.0003	-.0817	-.0001	-.0032	.0023
75	0407408-004A	-.0098	-.0003	-.0766	-.0001	-.0004	-.0005
76	0407408-005A	-.0106	-.0003	-.1622	-.0002	-.0027	.0015
77	0407408-006A	-.0108	-.0003	-.0767	-.0002	.0001	.0001
78	0407408-008A	-.0108	-.0004	-.0789	-.0003	-.0004	-.0006
79	CCV1	Q-.0110	Q-.0002	Q-.0531	Q-.0001	.0010	.0001
80	CCB1	-.0107	-.0002	-.0858	-.0002	.0009	-.0005
81	0407408-009A	-.0110	-.0003	-.0756	-.0002	.0007	-.0009
82	0407408-011A	-.0030	-.0001	.1475	.0006	-.0004	-.0005
83	0407408-012A	-.0143	-.0002	-.0164	-.0005	.0051	-.0020
84	0407408-014A	-.0112	-.0004	-.1049	-.0002	.0000	-.0002
85	0407408-015A	-.0110	-.0003	-.0802	-.0002	-.0001	-.0006
86	0407408-017A	-.0111	-.0003	-.0633	-.0001	.0002	-.0008
87	0407408-018A	-.0115	-.0004	-.0690	-.0002	.0004	-.0009
88	0407408-002ADL	-.0108	-.0002	-.0611	-.0001	-.0003	-.0010
89	0407408-002APDS	-.0115	-.0005	-.0971	.0001	.0003	-.0011
90	CCV2	Q-.0112	Q-.0003	Q-.0938	Q-.0001	-.0002	-.0008
91	CCB2	-.0114	-.0004	-.0768	.0001	.0003	-.0011
92	LCS-47947	-.0112	-.0004	-.0678	.0000	-.0000	-.0000
93	MB-47947	-.0117	-.0003	-.0859	.0001	.0000	-.0007
94	0407843-001B	-.0110	-.0002	-.0893	-.0001	.0002	-.0008
95	0407843-001BDUP	-.0111	-.0003	-.0566	.0001	.0000	-.0010
96	0407843-001BMS	-.0112	-.0002	-.0791	.0001	.0001	-.0009
97	0407843-002B	-.0112	-.0003	-.0870	.0000	.0004	-.0011
98	0407843-003B	-.0116	-.0002	-.0577	.0000	.0003	-.0009
99	0407843-004B	-.0121	-.0002	-.0949	-.0001	.0001	-.0011
100	0407843-005B	-.0116	-.0002	-.0656	.0001	.0004	-.0003
101	0407843-006B	-.0111	-.0005	-.0757	.0001	.0001	-.0013
102	CCV	Q-.0110	Q-.0002	Q-.0814	Q.0003	.0003	-.0012
103	CCB	-.0112	-.0003	-.0826	.0001	.0007	-.0014
104	0407843-007B	-.0115	-.0005	-.0983	.0001	.0001	-.0009
105	0407843-008B	-.0115	-.0004	-.0848	.0001	-.0002	-.0007
106	0407843-009B	-.0117	-.0003	-.0544	.0002	.0003	-.0010
107	0407843-010B	-.0109	-.0004	-.0871	-.0001	.0003	-.0018
108	0407843-001C	-.0112	-.0002	-.0679	.0001	.0007	-.0015
109	0407843-002C	-.0117	-.0002	-.0961	.0003	.0003	-.0005
110	0407843-003C	-.0114	-.0003	-.0724	.0001	.0003	-.0013
111	0407843-004C	-.0111	-.0001	-.0713	.0000	-.0000	-.0008
112	0407843-005C	-.0117	-.0003	-.0634	.0001	.0003	-.0008
113	0407843-006C	-.0116	-.0002	-.0837	.0001	-.0005	-.0013
114	CCV1	Q-.0117	Q-.0003	Q-.0781	Q.0004	-.0001	-.0011
115	CCB1	-.0114	-.0003	-.0735	.0003	-.0004	-.0006
116	0407843-007C	-.0115	-.0004	-.0837	.0003	.0001	-.0008
117	0407843-008C	-.0115	-.0003	-.0623	.0001	-.0001	-.0010
118	0407843-009C	-.0117	-.0004	-.0803	.0002	-.0004	-.0007
119	0407843-010C	-.0116	-.0004	-.0566	.0000	.0001	-.0013

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#	Sample Name	Mg	Mn	Na	Ni	2203/1	2203/2
120	0407843-001BDL	-.0111	-.0001	-.0916	.0001	-.0000	-.0005
121	0407843-001BPDS	-.0113	-.0004	-.0465	.0002	-.0001	-.0008
122	ICSA	Q-.0117	-.0004	-.0758	.0001	-.0000	-.0002
123	ICSAB	Q-.0120	Q-.0003	Q-.0657	Q.0001	.0003	-.0012
124	CCV2	Q-.0115	Q-.0005	Q-.0871	Q.0000	-.0004	-.0009
125	CCB2	-.0112	-.0003	-.0769	.0001	.0002	-.0004

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#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
1	STD1-BLANK	-.01149	1.11894	.60796	-.07699	.01149	-.00249
2	ICAL	4.81475	23.0428	14.1268	2.44937	4.85275	12.8419
3	ICAL2	9.74901	45.0357	27.7021	5.04274	9.73051	25.7362
4	CKSTD	1.006	.9999	1.006	1.001	1.000	1.000
5	ICV	.5142	.4895	.4899	.5059	.4982	.4983
6	ICB	.0018	-.0173	-.0061	H.0077	-.0002	.0009
7	CRI	.0126	-.0066	-.0036	.0125	.0368	.0110
8	CRI2	.1049	.0804	.0888	.1027	.1018	.1015
9	ICSA	.0040	-.0230	-.0121	.0128	.0069	.0008
10	ICSAB	.4925	.4600	.4730	.4712	.4821	.4651
11	CCV	1.014	1.007	.9923	1.006	1.014	1.013
12	CCB	-.0006	-.0217	-.0143	H.0071	.0028	.0007
13	LCS-47922	1.045	1.051	1.038	1.018	1.044	1.026
14	MB-47922	.0038	-.0248	-.0123	.0025	.0107	.0002
15	0407814-001B	.0036	-.0200	-.0137	.0034	.0663	-.0004
16	0407814-001BDUP	.0065	-.0197	-.0086	.0069	.0716	.0009
17	0407814-001BMS	1.070	1.073	1.069	1.042	1.149	1.051
18	0407814-002B	.0008	-.0300	-.0098	.0180	.0487	.0003
19	0407814-003B	.0044	-.0232	-.0143	.0040	.1553	.0006
20	0407814-004B	.0126	-.0236	-.0114	.0053	.1790	.0003
21	0407779-001A	.2111	-.0112	-.0121	.0127	2.552	-.0158
22	0407818-001A	.0010	-.0210	-.0161	.0078	.0053	-.0005
23	CCV1	1.023	1.017	1.005	1.018	1.030	1.025
24	CCB1	.0037	-.0168	-.0167	H.0103	-.0004	.0004
25	0407825-001A	-.0012	-.0214	-.0160	.0047	.0174	-.0005
26	0407825-002A	.0039	-.0235	-.0165	.0087	.0162	.0004
27	0407825-003A	.0069	-.0133	-.0191	.0069	.0217	.0000
28	0407814-001BDL	.0052	-.0199	-.0176	.0038	.0167	-.0002
29	0407814-001BPDS	1.034	1.019	1.018	1.012	1.065	1.006
30	LCS-47924	2.506	2.447	2.464	2.474	2.571	2.658
31	LCSD-47924	2.570	2.533	2.508	2.555	2.641	2.727
32	MB-47924	.0118	-.0306	-.0123	.0067	.0039	.0027
33	0407827-001A	.0036	-.0365	-.0124	-.0024	.0031	.0001
34	0407827-002A	.0043	-.0322	-.0129	.0057	.0045	.0006
35	CCV2	2.067	2.032	2.022	1.999	2.021	1.990
36	CCB2	.0014	-.0194	-.0109	H.0102	.0000	.0007
37	0407827-003A	.0098	-.0272	-.0050	.0022	.2519	.0012
38	0407827-004A	.0039	-.0343	-.0070	-.0008	.2611	.0016
39	0407827-005A	-.0034	-.0354	-.0099	.0023	.0073	.0011
40	ICSA	.0068	-.0241	-.0209	.0069	.0067	.0001
41	ICSAB	.4919	.4681	.4603	.4841	.4904	.4642
42	CCV2	2.067	2.039	1.998	2.016	2.025	1.986
43	CCB2	.0042	-.0247	-.0169	H.0130	.0006	.0019
44	STD1-BLANK	.03849	1.17294	.87145	-.00749	.01599	.01999

#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
45	ICAL	5.04424	23.7333	14.6923	2.57537	5.12824	13.1598
46	ICAL2	9.933	45.6847	28.1661	5.19374	10.1295	26.0987
47	CKSTD	.9976	.9899	.9871	1.007	.9939	.9924
48	ICV	.4981	.4726	.4759	.5033	.4991	.5003
49	ICB	-.0030	-.0300	-.0272	-.0056	-.0007	.0002
50	CRI	.0094	-.0158	-.0144	.0079	.0392	.0106
51	CRI2	.0977	.0703	.0659	.0959	.0988	.0979
52	ICSA	-.0072	-.0299	-.0338	.0092	.0057	.0000
53	ICSAB	.4834	.4496	.4382	.4647	.4623	.4538
54	CCV	.9797	.9723	.9671	.9875	.9739	.9837
55	CCB	.0020	-.0266	-.0266	-.0064	.0020	.0001
56	LCS-47921	1.259	1.652	1.656	1.714	1.722	1.759
57	LCS-47921	1.658	1.818	1.829	1.864	1.853	1.876
58	LCSD-47921	2.026	1.979	1.979	2.044	1.953	1.949
59	MB-47921	.0045	-.0257	-.0272	-.0057	.0040	.0012
60	0407157-001A	.0869	-.0236	-.0236	.0522	.0210	-.0003
61	0407157-002A	.0620	-.0304	-.0264	-.0062	.0228	-.0006
62	0407157-003A	.0353	-.0283	-.0280	-.0097	.0190	-.0013
63	0407157-004A	.0171	-.0366	-.0203	-.0072	.0183	.0001
64	0407157-005A	-.0016	-.0263	-.0321	-.0068	.0214	-.0007
65	ICSA	.0003	-.0298	-.0314	.0055	.0058	-.0002
66	ICSAB	.4819	.4535	.4451	.4593	.4656	.4547
67	CCV1	.9932	.9828	.9775	.9904	.9870	.9932
68	CCB1	-.0005	-.0239	-.0229	-.0066	-.0011	-.0011
69	LCS-47925	.9944	1.007	1.013	1.017	1.000	1.010
70	MB-47925	-.0096	-.0429	-.0181	.0050	-.0011	.0009
71	0407408-002A	-.0045	-.0339	-.0219	-.0003	-.0015	-.0003
72	0407408-002ADUP	-.0089	-.0372	-.0228	-.0003	-.0014	-.0002
73	0407408-002AMS	-.0049	-.0319	-.0288	-.0003	-.0014	-.0005
74	0407408-003A	-.0022	-.0341	-.0241	.0021	-.0012	-.0001
75	0407408-004A	-.0034	-.0283	-.0260	-.0012	-.0016	-.0006
76	0407408-005A	-.0051	-.0337	-.0246	.0008	-.0015	-.0006
77	0407408-006A	-.0047	-.0270	-.0277	-.0043	-.0016	-.0007
78	0407408-008A	-.0044	-.0246	-.0253	-.0013	-.0015	-.0006
79	CCV1	Q-.0039	-.0157	-.0203	Q.0007	Q-.0016	Q-.0006
80	CCB1	-.0029	-.0128	-.0156	-.0012	-.0016	-.0007
81	0407408-009A	-.0044	-.0188	-.0195	-.0028	-.0016	-.0007
82	0407408-011A	.0013	-.0251	-.0243	.0058	-.0011	.0005
83	0407408-012A	-.0015	-.0226	-.0326	-.0010	-.0017	-.0013
84	0407408-014A	-.0047	-.0270	-.0298	.0003	-.0014	-.0006
85	0407408-015A	-.0025	-.0267	-.0307	-.0006	-.0014	-.0007
86	0407408-017A	-.0015	-.0260	-.0304	-.0011	-.0017	-.0007
87	0407408-018A	-.0036	-.0281	-.0308	.0007	-.0017	-.0007
88	0407408-002ADL	-.0039	-.0265	-.0310	-.0010	-.0015	-.0007
89	0407408-002APDS	-.0029	-.0272	-.0303	-.0009	-.0016	-.0008
90	CCV2	Q-.0040	-.0277	-.0313	Q-.0001	Q-.0016	Q-.0007
91	CCB2	-.0036	-.0256	-.0322	.0007	-.0016	-.0007
92	LCS-47947	-.0042	-.0276	-.0301	.0005	-.0015	-.0007
93	MB-47947	-.0041	-.0254	-.0318	-.0005	-.0016	-.0007
94	0407843-001B	-.0023	-.0250	-.0309	.0013	-.0015	-.0008
95	0407843-001BDUP	-.0034	-.0281	-.0308	.0009	-.0016	-.0007
96	0407843-001BMS	-.0036	-.0262	-.0300	.0013	-.0016	-.0007
97	0407843-002B	-.0023	-.0236	-.0301	-.0012	-.0016	-.0007
98	0407843-003B	-.0026	-.0259	-.0305	.0000	-.0017	-.0007

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#	Sample Name	Sb	1960/1	1960/2	Tl	Zn	V
99	0407843-004B	-.0036	-.0264	-.0311	-.0008	-.0015	-.0008
100	0407843-005B	-.0036	-.0254	-.0303	.0019	-.0017	-.0006
101	0407843-006B	-.0038	-.0253	-.0310	-.0004	-.0015	-.0007
102	CCV	Q-.0037	-.0261	-.0288	Q.0010	Q-.0015	Q-.0007
103	CCB	-.0019	-.0245	-.0282	.0007	-.0014	-.0007
104	0407843-007B	-.0024	-.0251	-.0285	.0007	-.0014	-.0008
105	0407843-008B	-.0035	-.0237	-.0283	.0029	-.0017	-.0007
106	0407843-009B	-.0035	-.0228	-.0280	.0013	-.0015	-.0007
107	0407843-010B	-.0034	-.0225	-.0273	.0017	-.0015	-.0007
108	0407843-001C	-.0048	-.0231	-.0272	.0003	-.0015	-.0007
109	0407843-002C	-.0046	-.0237	-.0265	-.0008	-.0016	-.0007
110	0407843-003C	-.0029	-.0224	-.0270	-.0004	-.0016	-.0008
111	0407843-004C	-.0045	-.0227	-.0258	.0000	-.0015	-.0006
112	0407843-005C	-.0030	-.0198	-.0258	.0010	-.0016	-.0007
113	0407843-006C	-.0044	-.0216	-.0274	-.0014	-.0015	-.0007
114	CCV1	Q-.0035	-.0234	-.0267	Q.0009	Q-.0015	Q-.0007
115	CCB1	-.0030	-.0213	-.0261	.0019	-.0016	-.0007
116	0407843-007C	-.0038	-.0234	-.0259	.0010	-.0015	-.0007
117	0407843-008C	-.0033	-.0226	-.0285	.0002	-.0014	-.0008
118	0407843-009C	-.0031	-.0227	-.0288	.0018	-.0016	-.0007
119	0407843-010C	-.0034	-.0239	-.0284	-.0018	-.0016	-.0008
120	0407843-001BDL	-.0055	-.0236	-.0285	-.0008	-.0016	-.0008
121	0407843-001BPDS	-.0043	-.0247	-.0296	.0001	-.0016	-.0007
122	ICSA	-.0040	-.0269	-.0299	.0023	-.0016	-.0008
123	ICSAB	Q-.0035	-.0248	-.0318	Q.0007	Q-.0015	Q-.0007
124	CCV2	Q-.0034	-.0266	-.0308	Q-.0002	Q-.0017	Q-.0008
125	CCB2	-.0045	-.0270	-.0308	-.0005	-.0015	-.0007

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#	Sample Name	Sn	Mo	Ti	Pb	Se
1	STD1-BLANK	.05649	-.00049	-.29048		
2	ICAL	25.0063	3.65031	60.15		
3	ICAL2	50.126	7.36613	121.246		
4	CKSTD	.9978	Q1.010	1.002	1.0005	1.0041
5	ICV	.4966	.5048	.4938	.50159	.48973
6	ICB	-.0011	.0007	.0054	.00220	L-.00986
7	CRI	.0109	.0127	.0328	.01162	-.00457
8	CRI2	.1008	.1001	.1035	.10381	.08599
9	ICSA	.0024	.0001	-.0002	.00012	-.01574
10	ICSAB	.4716	.4754	.4606	.45530	.46870
11	CCV	1.015	1.023	1.009	1.0114	.99731
12	CCB	-.0002	-.0003	.0011	.00172	L-.01674
13	LCS-47922	1.008	1.037	1.026	.98339	1.0425
14	MB-47922	.0010	.0025	-.0007	.00172	-.01642
15	0407814-001B	.0009	-.0042	-.0017	3.0856	-.01579
16	0407814-001BDUP	.0033	.0010	.0070	3.3671	-.01232
17	0407814-001BMS	1.033	1.065	1.052	4.9631	1.0702
18	0407814-002B	.0006	-.0012	.0006	.57811	-.01649
19	0407814-003B	-.0004	.0037	.0039	.71544	-.01725
20	0407814-004B	.0017	-.0008	.0045	2.6841	-.01549
21	0407779-001A	.0068	.0081	.0057	.53107	-.01180
22	0407818-001A	-.0008	.0049	-.0033	.43661	-.01770
23	CCV1	1.024	1.029	1.025	1.0238	1.0087

#	Sample Name	Sn	Mo	Ti	Pb	Se
24	CCB1	-.0002	.0024	.0007	.00296	L-.01673
25	0407825-001A	.0021	.0009	-.0033	.41243	-.01780
26	0407825-002A	.0038	.0022	.0031	.42832	-.01881
27	0407825-003A	.0012	-.0006	.0006	.41627	-.01717
28	0407814-001BDL	-.0014	.0014	-.0005	.64715	-.01835
29	0407814-001BPDS	1.008	1.024	.9959	2.5738	1.0184
30	LCS-47924	2.466	2.590	2.647	2.4776	2.4586
31	LCSD-47924	2.521	2.659	2.702	2.5305	2.5165
32	MB-47924	.0040	.0033	.0106	.00259	-.01838
33	0407827-001A	-.0000	.0005	-.0010	.00107	-.02041
34	0407827-002A	.0021	-.0009	.0023	.00326	-.01928
35	CCV2	1.994	1.999	1.972	1.9864	2.0250
36	CCB2	.0016	.0015	-.0018	.00144	L-.01370
37	0407827-003A	.0202	.0026	.0167	.03460	-.01240
38	0407827-004A	.0064	.0003	.0181	.03799	-.01608
39	0407827-005A	.0028	.0010	.0057	.00205	-.01837
40	ICSA	.0011	-.0011	-.0046	.00034	-.02199
41	ICSAB	.4741	.4760	.4524	.45168	.46291
42	CCV2	1.992	2.000	1.959	1.9589	2.0115
43	CCB2	.0042	-.0011	.0071	.00256	L-.01953
44	STD1-BLANK	.15399	.00149	.39848		
45	ICAL	25.4632	3.70431	59.589		
46	ICAL2	50.1445	7.28713	118.264		
47	CKSTD	.9945	Q.9927	.9937	.99062	.98802
48	ICV	.4999	.4990	.4989	.49749	Q.47478
49	ICB	-.0024	.0010	-.0012	-.00041	L-.02814
50	CRI	.0092	.0115	.0310	.01205	-.01486
51	CRI2	.0968	.1003	.0905	.10065	.06733
52	ICSA	-.0010	-.0032	-.0071	-.00088	-.03248
53	ICSAB	.4560	.4628	.4478	.43310	.44201
54	CCV	.9781	.9936	.9879	.97773	.96881
55	CCB	.0000	.0013	-.0026	.00039	L-.02662
56	LCS-47921	-.0026	-.0038	-.0050	1.6696	1.6548
57	LCS-47921	1.006	1.021	1.012	1.8212	1.8254
58	LCSD-47921	1.953	1.974	1.959	1.9297	1.9788
59	MB-47921	.0014	.0052	.0013	.00205	-.02672
60	0407157-001A	.0007	-.0009	-.0057	1.2528	-.02356
61	0407157-002A	.0000	-.0021	-.0064	3.3509	-.02770
62	0407157-003A	-.0019	-.0011	-.0071	2.5257	-.02809
63	0407157-004A	.0026	.0010	.0018	4.9469	-.02576
64	0407157-005A	-.0001	.0007	-.0037	.00460	-.03020
65	ICSA	-.0024	-.0041	-.0060	.00164	-.03087
66	ICSAB	.4595	.4630	.4493	.44143	.44787
67	CCV1	.9907	.9949	.9967	.98898	.97926
68	CCB1	-.0040	.0009	-.0114	.00023	L-.02321
69	LCS-47925	.9326	.9535	.9865	.99831	1.0110
70	MB-47925	.0031	-.0001	.0056	.00085	-.02635
71	0407408-002A	-.0002	-.0007	-.0014	-.00020	-.02591
72	0407408-002ADUP	-.0004	-.0002	-.0021	.00006	-.02755
73	0407408-002AMS	-.0016	-.0025	-.0033	.00020	-.02982
74	0407408-003A	-.0003	.0007	.0009	.00049	-.02746
75	0407408-004A	-.0013	.0013	-.0030	-.00044	-.02678
76	0407408-005A	-.0010	-.0021	-.0031	.00007	-.02765
77	0407408-006A	-.0014	-.0038	-.0035	.00007	-.02748

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#	Sample Name	Sn	Mo	Ti	Pb	Se
78	0407408-008A	.0019	-.0001	-.0038	-.00052	-.02507
79	CCV1	-.0009	Q.0008	-.0039	Q.00040	Q-.01873
80	CCB1	-.0015	-.0008	-.0042	-.00003	L-.01466
81	0407408-009A	-.0005	.0022	-.0040	-.00034	-.01926
82	0407408-011A	.0029	-.0001	.0049	-.00046	-.02453
83	0407408-012A	.0001	-.0010	-.0082	.00035	-.02929
84	0407408-014A	-.0016	-.0008	-.0042	-.00014	-.02886
85	0407408-015A	-.0020	.0024	-.0045	-.00039	-.02935
86	0407408-017A	-.0021	-.0009	-.0044	-.00042	-.02895
87	0407408-018A	-.0025	-.0014	-.0048	-.00047	-.02990
88	0407408-002ADL	-.0027	-.0006	-.0047	-.00079	-.02951
89	0407408-002APDS	-.0021	.0006	-.0047	-.00066	-.02925
90	CCV2	-.0029	Q-.0015	-.0050	Q-.00060	Q-.03010
91	CCB2	-.0027	-.0010	-.0046	-.00060	L-.02998
92	LCS-47947	-.0030	-.0017	-.0049	-.00003	-.02927
93	MB-47947	-.0024	.0008	-.0051	-.00044	-.02969
94	0407843-001B	-.0029	-.0025	-.0051	-.00048	-.02894
95	0407843-001BDUP	-.0025	.0016	-.0048	-.00064	-.02990
96	0407843-001BMS	-.0033	-.0014	-.0047	-.00059	-.02871
97	0407843-002B	-.0030	-.0025	-.0052	-.00060	-.02794
98	0407843-003B	-.0030	-.0030	-.0050	-.00051	-.02893
99	0407843-004B	-.0029	.0009	-.0051	-.00069	-.02953
100	0407843-005B	-.0034	-.0019	-.0054	-.00009	-.02868
101	0407843-006B	-.0035	-.0005	-.0051	-.00083	-.02912
102	CCV	-.0029	Q-.0014	-.0051	Q-.00070	Q-.02793
103	CCB	-.0029	.0007	-.0054	-.00073	L-.02695
104	0407843-007B	-.0026	-.0008	-.0053	-.00057	-.02734
105	0407843-008B	-.0032	.0028	-.0051	-.00054	-.02679
106	0407843-009B	-.0028	-.0006	-.0057	-.00055	-.02624
107	0407843-010B	-.0023	-.0014	-.0054	-.00107	-.02571
108	0407843-001C	-.0028	-.0017	-.0055	-.00077	-.02579
109	0407843-002C	-.0028	.0007	-.0053	-.00023	-.02555
110	0407843-003C	-.0040	.0018	-.0051	-.00076	-.02547
111	0407843-004C	-.0038	.0007	-.0059	-.00057	-.02480
112	0407843-005C	-.0036	.0009	-.0056	-.00044	-.02380
113	0407843-006C	-.0031	-.0015	-.0057	-.00100	-.02548
114	CCV1	-.0024	Q-.0005	-.0057	Q-.00077	Q-.02561
115	CCB1	-.0031	.0012	-.0054	-.00054	L-.02450
116	0407843-007C	-.0028	-.0004	-.0056	-.00045	-.02506
117	0407843-008C	-.0032	.0011	-.0057	-.00072	-.02655
118	0407843-009C	-.0024	-.0025	-.0058	-.00058	-.02678
119	0407843-010C	-.0037	-.0018	-.0055	-.00085	-.02687
120	0407843-001BDL	-.0027	-.0008	-.0057	-.00036	-.02686
121	0407843-001BPDS	-.0026	.0009	-.0056	-.00058	-.02800
122	ICSA	-.0032	-.0017	-.0056	-.00016	-.02893
123	ICSAB	-.0032	-.0027	-.0059	Q-.00068	Q-.02949
124	CCV2	-.0029	Q-.0012	-.0054	Q-.00073	Q-.02941
125	CCB2	-.0030	.0005	-.0055	-.00035	L-.02955

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