COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-S-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00030

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.065 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	24	ND	3.6	
79-01-6	Trichloroethene	**2,100**	24	**380**	4.5	
10061-01-5	cis-1,3-Dichloropropene	ND	24	ND	5.3	
108-10-1	4-Methyl-2-pentanone	ND	24	ND	5.9	
10061-02-6	trans-1,3-Dichloropropene	ND	24	ND	5.3	
79-00-5	1,1,2-Trichloroethane	ND	24	ND	4.4	
108-88-3	Toluene	ND	24	ND	6.4	
591-78-6	2-Hexanone	ND	24	ND	5.9	
124-48-1	Dibromochloromethane	ND	24	ND	2.8	
106-93-4	1,2-Dibromoethane	ND	24	ND	3.1	
127-18-4	Tetrachloroethene	**91**	24	**13**	3.6	
108-90-7	Chlorobenzene	ND	24	ND	5.2	
100-41-4	Ethylbenzene	ND	24	ND	5.6	
179601-23-1	*m,p*-Xylenes	ND	24	ND	5.6	
75-25-2	Bromoform	ND	24	ND	2.3	
100-42-5	Styrene	ND	24	ND	5.7	
95-47-6	o-Xylene	ND	24	ND	5.6	
79-34-5	1,1,2,2-Tetrachloroethane	ND	24	ND	3.5	
541-73-1	1,3-Dichlorobenzene	ND	24	ND	4.0	
106-46-7	1,4-Dichlorobenzene	ND	24	ND	4.0	
95-50-1	1,2-Dichlorobenzene	ND	24	ND	4.0	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEIH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.12 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	13	ND	6.5	
75-01-4	Vinyl Chloride	ND	13	ND	5.2	
74-83-9	Bromomethane	ND	13	ND	3.4	
75-00-3	Chloroethane	ND	13	ND	5.1	
67-64-1	Acetone	ND	67	ND	28	
75-69-4	Trichlorofluoromethane	**17**	13	**2.9**	2.4	
75-35-4	1,1-Dichloroethene	ND	13	ND	3.4	
75-09-2	Methylene chloride	ND	13	ND	3.8	
76-13-1	Trichlorotrifluoroethane	ND	13	ND	1.7	
75-15-0	Carbon Disulfide	ND	13	ND	4.3	
156-60-5	trans-1,2-Dichloroethene	ND	13	ND	3.4	
75-34-3	1,1-Dichloroethane	ND	13	ND	3.3	
1634-04-4	Methyl tert-Butyl Ether	ND	13	ND	3.7	
108-05-4	Vinyl Acetate	ND	67	ND	19	
78-93-3	2-Butanone (MEK)	ND	13	ND	4.5	
156-59-2	cis-1,2-Dichloroethene	ND	13	ND	3.4	
67-66-3	Chloroform	ND	13	ND	2.7	
107-06-2	1,2-Dichloroethane	ND	13	ND	3.3	
71-55-6	1,1,1-Trichloroethane	**81**	13	**15**	2.4	
71-43-2	Benzene	**26**	13	**8.1**	4.2	
56-23-5	Carbon Tetrachloride	ND	13	ND	2.1	
78-87-5	1,2-Dichloropropane	ND	13	ND	2.9	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.12 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	13	ND	2.0	
79-01-6	Trichloroethene	**1,200**	13	**220**	2.5	
10061-01-5	cis-1,3-Dichloropropene	ND	13	ND	2.9	
108-10-1	4-Methyl-2-pentanone	ND	13	ND	3.3	
10061-02-6	trans-1,3-Dichloropropene	ND	13	ND	2.9	
79-00-5	1,1,2-Trichloroethane	ND	13	ND	2.4	
108-88-3	Toluene	**17**	13	**4.5**	3.5	
591-78-6	2-Hexanone	ND	13	ND	3.3	
124-48-1	Dibromochloromethane	ND	13	ND	1.6	
106-93-4	1,2-Dibromoethane	ND	13	ND	1.7	
127-18-4	Tetrachloroethene	**310**	13	**46**	2.0	
108-90-7	Chlorobenzene	ND	13	ND	2.9	
100-41-4	Ethylbenzene	ND	13	ND	3.1	
179601-23-1	*m,p* -Xylenes	ND	13	ND	3.1	
75-25-2	Bromoform	ND	13	ND	1.3	
100-42-5	Styrene	ND	13	ND	3.1	
95-47-6	o-Xylene	ND	13	ND	3.1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	13	ND	1.9	
541-73-1	1,3-Dichlorobenzene	ND	13	ND	2.2	
106-46-7	1,4-Dichlorobenzene	ND	13	ND	2.2	
95-50-1	1,2-Dichlorobenzene	ND	13	ND	2.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.12 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	13	ND	6.5	
75-01-4	Vinyl Chloride	ND	13	ND	5.2	
74-83-9	Bromomethane	ND	13	ND	3.4	
75-00-3	Chloroethane	ND	13	ND	5.1	
67-64-1	Acetone	ND	67	ND	28	
75-69-4	Trichlorofluoromethane	**16**	13	**2.9**	2.4	
75-35-4	1,1-Dichloroethene	ND	13	ND	3.4	
75-09-2	Methylene chloride	ND	13	ND	3.8	
76-13-1	Trichlorotrifluoroethane	ND	13	ND	1.7	
75-15-0	Carbon Disulfide	ND	13	ND	4.3	
156-60-5	trans-1,2-Dichloroethene	ND	13	ND	3.4	
75-34-3	1,1-Dichloroethane	ND	13	ND	3.3	
1634-04-4	Methyl tert-Butyl Ether	ND	13	ND	3.7	
108-05-4	Vinyl Acetate	ND	67	ND	19	
78-93-3	2-Butanone (MEK)	ND	13	ND	4.5	
156-59-2	cis-1,2-Dichloroethene	ND	13	ND	3.4	
67-66-3	Chloroform	ND	13	ND	2.7	
107-06-2	1,2-Dichloroethane	ND	13	ND	3.3	
71-55-6	1,1,1-Trichloroethane	**80**	13	**15**	2.4	
71-43-2	Benzene	**26**	13	**8.1**	4.2	
56-23-5	Carbon Tetrachloride	ND	13	ND	2.1	
78-87-5	1,2-Dichloropropane	ND	13	ND	2.9	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KMH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-I-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-012DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00672

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.12 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	13	ND	2.0	
79-01-6	Trichloroethene	**1,200**	13	**220**	2.5	
10061-01-5	cis-1,3-Dichloropropene	ND	13	ND	2.9	
108-10-1	4-Methyl-2-pentanone	ND	13	ND	3.3	
10061-02-6	trans-1,3-Dichloropropene	ND	13	ND	2.9	
79-00-5	1,1,2-Trichloroethane	ND	13	ND	2.4	
108-88-3	Toluene	**17**	13	**4.4**	3.5	
591-78-6	2-Hexanone	ND	13	ND	3.3	
124-48-1	Dibromochloromethane	ND	13	ND	1.6	
106-93-4	1,2-Dibromoethane	ND	13	ND	1.7	
127-18-4	Tetrachloroethene	**310**	13	**45**	2.0	
108-90-7	Chlorobenzene	ND	13	ND	2.9	
100-41-4	Ethylbenzene	ND	13	ND	3.1	
179601-23-1	*m,p*-Xylenes	ND	13	ND	3.1	
75-25-2	Bromoform	ND	13	ND	1.3	
100-42-5	Styrene	ND	13	ND	3.1	
95-47-6	o-Xylene	ND	13	ND	3.1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	13	ND	1.9	
541-73-1	1,3-Dichlorobenzene	ND	13	ND	2.2	
106-46-7	1,4-Dichlorobenzene	ND	13	ND	2.2	
95-50-1	1,2-Dichlorobenzene	ND	13	ND	2.2	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-013

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00650

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.20 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	7.9	ND	3.8	
75-01-4	Vinyl Chloride	ND	7.9	ND	3.1	
74-83-9	Bromomethane	ND	7.9	ND	2.0	
75-00-3	Chloroethane	ND	7.9	ND	3.0	
67-64-1	Acetone	ND	39	ND	17	
75-69-4	Trichlorofluoromethane	**11**	7.9	**1.9**	1.4	
75-35-4	1,1-Dichloroethene	ND	7.9	ND	2.0	
75-09-2	Methylene chloride	ND	7.9	ND	2.3	
76-13-1	Trichlorotrifluoroethane	**9.0**	7.9	**1.2**	1.0	
75-15-0	Carbon Disulfide	ND	7.9	ND	2.5	
156-60-5	trans-1,2-Dichloroethene	ND	7.9	ND	2.0	
75-34-3	1,1-Dichloroethane	ND	7.9	ND	1.9	
1634-04-4	Methyl tert-Butyl Ether	ND	7.9	ND	2.2	
108-05-4	Vinyl Acetate	ND	39	ND	11	
78-93-3	2-Butanone (MEK)	ND	7.9	ND	2.7	
156-59-2	cis-1,2-Dichloroethene	ND	7.9	ND	2.0	
67-66-3	Chloroform	ND	7.9	ND	1.6	
107-06-2	1,2-Dichloroethane	ND	7.9	ND	1.9	
71-55-6	1,1,1-Trichloroethane	**85**	7.9	**16**	1.4	
71-43-2	Benzene	**27**	7.9	**8.5**	2.5	
56-23-5	Carbon Tetrachloride	ND	7.9	ND	1.2	
78-87-5	1,2-Dichloropropane	ND	7.9	ND	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit.**
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW58-D-9-20-07**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P2702949-013

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00650

Date Collected: 9/20/07
Date Received: 9/24/07
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 0.20 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	7.9	ND	1.2	
79-01-6	Trichloroethene	**700**	7.9	**130**	1.5	
10061-01-5	cis-1,3-Dichloropropene	ND	7.9	ND	1.7	
108-10-1	4-Methyl-2-pentanone	ND	7.9	ND	1.9	
10061-02-6	trans-1,3-Dichloropropene	ND	7.9	ND	1.7	
79-00-5	1,1,2-Trichloroethane	ND	7.9	ND	1.4	
108-88-3	Toluene	**17**	7.9	**4.5**	2.1	
591-78-6	2-Hexanone	ND	7.9	ND	1.9	
124-48-1	Dibromochloromethane	ND	7.9	ND	0.92	
106-93-4	1,2-Dibromoethane	ND	7.9	ND	1.0	
127-18-4	Tetrachloroethene	**270**	7.9	**39**	1.2	
108-90-7	Chlorobenzene	ND	7.9	ND	1.7	
100-41-4	Ethylbenzene	ND	7.9	ND	1.8	
179601-23-1	*m,p*-Xylenes	**9.4**	7.9	**2.2**	1.8	
75-25-2	Bromoform	ND	7.9	ND	0.76	
100-42-5	Styrene	ND	7.9	ND	1.8	
95-47-6	o-Xylene	ND	7.9	ND	1.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.9	ND	1.1	
541-73-1	1,3-Dichlorobenzene	ND	7.9	ND	1.3	
106-46-7	1,4-Dichlorobenzene	ND	7.9	ND	1.3	
95-50-1	1,2-Dichlorobenzene	ND	7.9	ND	1.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071001-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Kurt Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071001-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/1/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KUH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/2/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071003-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/3/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	L
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery not within specified limits.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071003-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/3/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2702949

Surrogate Spike Recovery Results

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister(s)
Test Notes:

Date Collected: 9/20/07
Date Received: 9/24/07
Date Analyzed: 10/1 - 10/3/07

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
Method Blank	P071001-MB	**93**	80-120	**99**	80-120	**98**	80-120	
Method Blank	P071002-MB	**91**	80-120	**99**	80-120	**98**	80-120	
Method Blank	P071002-MB	**93**	80-120	**99**	80-120	**103**	80-120	
Method Blank	P071003-MB	**96**	80-120	**98**	80-120	**101**	80-120	
Lab Control Sample	P071001-LCS	**91**	80-120	**100**	80-120	**102**	80-120	
Lab Control Sample	P071002-LCS	**89**	80-120	**100**	80-120	**101**	80-120	
Lab Control Sample	P071002-LCS	**96**	80-120	**99**	80-120	**103**	80-120	
Lab Control Sample	P071003-LCS	**95**	80-120	**98**	80-120	**105**	80-120	
Duplicate Lab Control Sample	P071001-DLCS	**90**	80-120	**100**	80-120	**102**	80-120	
Duplicate Lab Control Sample	P071002-DLCS	**88**	80-120	**101**	80-120	**101**	80-120	
Duplicate Lab Control Sample	P071002-DLCS	**99**	80-120	**98**	80-120	**103**	80-120	
Duplicate Lab Control Sample	P071003-DLCS	**93**	80-120	**98**	80-120	**106**	80-120	
WDI-VW35-S-9-20-07	P2702949-001	**92**	80-120	**98**	80-120	**99**	80-120	
WDI-VW35-D-9-20-07	P2702949-002	**105**	80-120	**99**	80-120	**99**	80-120	
WDI-VW35-DAC-9-20-07	P2702949-003	**104**	80-120	**99**	80-120	**98**	80-120	
WDI-VW62-S-9-20-07	P2702949-004	**100**	80-120	**98**	80-120	**99**	80-120	
WDI-VW62-I-9-20-07	P2702949-005	**91**	80-120	**97**	80-120	**98**	80-120	
WDI-VW62-D-9-20-07	P2702949-006	**90**	80-120	**98**	80-120	**97**	80-120	
WDI-VW62-D-9-20-07	P2702949-006DUP	**89**	80-120	**98**	80-120	**97**	80-120	
WDI-VW62-Ambient-9-20-07	P2702949-007	**93**	80-120	**98**	80-120	**102**	80-120	
WDI-VW49-S-9-20-07	P2702949-008	**96**	80-120	**93**	80-120	**102**	80-120	
WDI-VW49-I-9-20-07	P2702949-009	**94**	80-120	**99**	80-120	**101**	80-120	
WDI-VW49-D-9-20-07	P2702949-010	**98**	80-120	**98**	80-120	**98**	80-120	
WDI-VW58-S-9-20-07	P2702949-011	**97**	80-120	**99**	80-120	**100**	80-120	
WDI-VW58-I-9-20-07	P2702949-012	**95**	80-120	**99**	80-120	**99**	80-120	
WDI-VW58-I-9-20-07	P2702949-012DUP	**96**	80-120	**99**	80-120	**99**	80-120	
WDI-VW58-D-9-20-07	P2702949-013	**97**	80-120	**99**	80-120	**101**	80-120	

Verified By: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071001-LCS, P071001-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/1/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	24.2	23.4	**99**	**96**	65-135	**3**	35	
Vinyl Chloride	24.8	24.9	24.4	**100**	**98**	65-135	**2**	35	
Bromomethane	25.0	25.5	25.2	**102**	**101**	65-135	**1**	35	
Chloroethane	25.0	25.1	24.9	**100**	**100**	65-135	**0**	35	
Acetone	26.8	28.0	27.6	**104**	**103**	65-135	**1**	35	
Trichlorofluoromethane	26.3	25.9	25.6	**98**	**97**	65-135	**1**	35	
1,1-Dichloroethene	27.8	27.5	27.3	**99**	**98**	65-135	**1**	35	
Methylene chloride	27.8	25.4	25.2	**91**	**91**	65-135	**0**	35	
Trichlorotrifluoroethane	27.8	28.2	28.2	**101**	**101**	65-135	**0**	35	
Carbon Disulfide	25.0	24.7	24.7	**99**	**99**	65-135	**0**	35	
trans-1,2-Dichloroethene	26.5	27.0	26.7	**102**	**101**	65-135	**1**	35	
1,1-Dichloroethane	26.8	26.1	25.9	**97**	**97**	65-135	**0**	35	
Methyl tert-Butyl Ether	26.8	27.0	26.9	**101**	**100**	65-135	**1**	35	
Vinyl Acetate	25.3	31.1	30.8	**123**	**122**	65-135	**0.8**	35	
2-Butanone (MEK)	27.0	27.6	27.7	**102**	**103**	65-135	**1**	35	
cis-1,2-Dichloroethene	27.0	26.7	26.5	**99**	**98**	65-135	**1**	35	
Chloroform	29.8	29.0	28.8	**97**	**97**	65-135	**0**	35	
1,2-Dichloroethane	26.3	26.7	26.5	**102**	**101**	65-135	**1**	35	
1,1,1-Trichloroethane	26.8	27.1	26.9	**101**	**100**	65-135	**1**	35	
Benzene	27.0	25.8	25.8	**96**	**96**	65-135	**0**	35	
Carbon Tetrachloride	26.0	27.5	27.5	**106**	**106**	65-135	**0**	35	
1,2-Dichloropropane	26.5	26.5	26.5	**100**	**100**	65-135	**0**	35	

Verified By: KLH Date: 10/2/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071001-LCS, P071001-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/1/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	30.1	30.0	**108**	**108**	65-135	**0**	35	
Trichloroethene	27.3	27.2	27.3	**100**	**100**	65-135	**0**	35	
cis-1,3-Dichloropropene	25.0	26.6	26.6	**106**	**106**	65-135	**0**	35	
4-Methyl-2-pentanone	27.5	27.8	27.7	**101**	**101**	65-135	**0**	35	
trans-1,3-Dichloropropene	28.0	30.8	30.6	**110**	**109**	65-135	**0.9**	35	
1,1,2-Trichloroethane	26.3	27.2	27.2	**103**	**103**	65-135	**0**	35	
Toluene	26.5	26.6	26.5	**100**	**100**	65-135	**0**	35	
2-Hexanone	26.3	28.4	28.0	**108**	**106**	65-135	**2**	35	
Dibromochloromethane	27.0	31.9	31.6	**118**	**117**	65-135	**0.9**	35	
1,2-Dibromoethane	26.3	29.2	29.1	**111**	**111**	65-135	**0**	35	
Tetrachloroethene	26.0	27.4	27.3	**105**	**105**	65-135	**0**	35	
Chlorobenzene	26.5	26.7	26.6	**101**	**100**	65-135	**1**	35	
Ethylbenzene	26.3	27.3	27.1	**104**	**103**	65-135	**1**	35	
m,p-Xylenes	62.5	65.0	64.4	**104**	**103**	65-135	**1**	35	
Bromoform	31.3	39.8	39.1	**127**	**125**	65-135	**2**	35	
Styrene	26.3	30.0	29.8	**114**	**113**	65-135	**0.9**	35	
o-Xylene	29.8	31.5	31.4	**106**	**105**	65-135	**0.9**	35	
1,1,2,2-Tetrachloroethane	29.8	33.8	33.6	**113**	**113**	65-135	**0**	35	
1,3-Dichlorobenzene	25.5	29.1	28.9	**114**	**113**	65-135	**0.9**	35	
1,4-Dichlorobenzene	26.3	29.7	29.4	**113**	**112**	65-135	**0.9**	35	
1,2-Dichlorobenzene	25.8	29.1	28.8	**113**	**112**	65-135	**0.9**	35	

Verified By: KLH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS, P071002-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	23.1	22.6	**94**	**92**	65-135	**2**	35	
Vinyl Chloride	24.8	24.7	26.3	**100**	**106**	65-135	**6**	35	
Bromomethane	25.0	25.3	25.1	**101**	**100**	65-135	**1**	35	
Chloroethane	25.0	25.0	24.9	**100**	**100**	65-135	**0**	35	
Acetone	26.8	27.9	27.6	**104**	**103**	65-135	**1**	35	
Trichlorofluoromethane	26.3	25.3	25.0	**96**	**95**	65-135	**1**	35	
1,1-Dichloroethene	27.8	27.5	27.6	**99**	**99**	65-135	**0**	35	
Methylene chloride	27.8	25.5	25.4	**92**	**91**	65-135	**1**	35	
Trichlorotrifluoroethane	27.8	27.7	27.8	**100**	**100**	65-135	**0**	35	
Carbon Disulfide	25.0	24.9	25.0	**100**	**100**	65-135	**0**	35	
trans-1,2-Dichloroethene	26.5	26.5	26.5	**100**	**100**	65-135	**0**	35	
1,1-Dichloroethane	26.8	25.9	25.7	**97**	**96**	65-135	**1**	35	
Methyl tert-Butyl Ether	26.8	26.8	26.9	**100**	**100**	65-135	**0**	35	
Vinyl Acetate	25.3	30.5	30.5	**121**	**121**	65-135	**0**	35	
2-Butanone (MEK)	27.0	27.7	28.0	**103**	**104**	65-135	**1**	35	
cis-1,2-Dichloroethene	27.0	26.3	26.3	**97**	**97**	65-135	**0**	35	
Chloroform	29.8	28.5	28.5	**96**	**96**	65-135	**0**	35	
1,2-Dichloroethane	26.3	25.7	25.6	**98**	**97**	65-135	**1**	35	
1,1,1-Trichloroethane	26.8	27.1	27.0	**101**	**101**	65-135	**0**	35	
Benzene	27.0	26.2	26.1	**97**	**97**	65-135	**0**	35	
Carbon Tetrachloride	26.0	27.2	27.1	**105**	**104**	65-135	**1**	35	
1,2-Dichloropropane	26.5	26.3	26.3	**99**	**99**	65-135	**0**	35	

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS, P071002-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	29.9	29.9	**108**	**108**	65-135	**0**	35	
Trichloroethene	27.3	27.0	27.0	**99**	**99**	65-135	**0**	35	
cis-1,3-Dichloropropene	25.0	26.7	26.7	**107**	**107**	65-135	**0**	35	
4-Methyl-2-pentanone	27.5	27.6	27.5	**100**	**100**	65-135	**0**	35	
trans-1,3-Dichloropropene	28.0	30.4	30.6	**109**	**109**	65-135	**0**	35	
1,1,2-Trichloroethane	26.3	27.2	27.3	**103**	**104**	65-135	**1**	35	
Toluene	26.5	26.7	26.9	**101**	**102**	65-135	**1**	35	
2-Hexanone	26.3	27.6	27.7	**105**	**105**	65-135	**0**	35	
Dibromochloromethane	27.0	31.3	31.6	**116**	**117**	65-135	**0.9**	35	
1,2-Dibromoethane	26.3	29.0	29.3	**110**	**111**	65-135	**0.9**	35	
Tetrachloroethene	26.0	27.1	27.4	**104**	**105**	65-135	**1**	35	
Chlorobenzene	26.5	26.6	26.6	**100**	**100**	65-135	**0**	35	
Ethylbenzene	26.3	27.2	27.4	**103**	**104**	65-135	**1**	35	
m,p-Xylenes	62.5	64.6	64.9	**103**	**104**	65-135	**1**	35	
Bromoform	31.3	38.9	39.3	**124**	**126**	65-135	**2**	35	
Styrene	26.3	29.9	30.1	**114**	**114**	65-135	**0**	35	
o-Xylene	29.8	31.1	31.3	**104**	**105**	65-135	**1**	35	
1,1,2,2-Tetrachloroethane	29.8	33.8	34.1	**113**	**114**	65-135	**0.9**	35	
1,3-Dichlorobenzene	25.5	28.5	28.8	**112**	**113**	65-135	**0.9**	35	
1,4-Dichlorobenzene	26.3	29.1	29.3	**111**	**111**	65-135	**0**	35	
1,2-Dichlorobenzene	25.8	28.6	28.9	**111**	**112**	65-135	**0.9**	35	

Verified By: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS, P071002-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	18.8	19.1	**77**	**78**	65-135	**1**	35	
Vinyl Chloride	24.8	21.9	22.3	**88**	**90**	65-135	**2**	35	
Bromomethane	25.0	22.6	22.3	**90**	**89**	65-135	**1**	35	
Chloroethane	25.0	22.2	21.9	**89**	**88**	65-135	**1**	35	
Acetone	26.8	23.7	24.3	**88**	**91**	65-135	**3**	35	
Trichlorofluoromethane	26.3	23.1	22.8	**88**	**87**	65-135	**1**	35	
1,1-Dichloroethene	27.8	25.3	25.4	**91**	**91**	65-135	**0**	35	
Methylene chloride	27.8	24.7	24.5	**89**	**88**	65-135	**1**	35	
Trichlorotrifluoroethane	27.8	25.6	24.7	**92**	**89**	65-135	**3**	35	
Carbon Disulfide	25.0	21.6	21.7	**86**	**87**	65-135	**1**	35	
trans-1,2-Dichloroethene	26.5	24.8	25.3	**94**	**95**	65-135	**1**	35	
1,1-Dichloroethane	26.8	23.2	23.5	**87**	**88**	65-135	**1**	35	
Methyl tert-Butyl Ether	26.8	26.0	26.1	**97**	**97**	65-135	**0**	35	
Vinyl Acetate	25.3	27.7	28.7	**109**	**113**	65-135	**4**	35	
2-Butanone (MEK)	27.0	24.9	25.6	**92**	**95**	65-135	**3**	35	
cis-1,2-Dichloroethene	27.0	24.8	25.3	**92**	**94**	65-135	**2**	35	
Chloroform	29.8	28.2	28.3	**95**	**95**	65-135	**0**	35	
1,2-Dichloroethane	26.3	23.7	24.3	**90**	**92**	65-135	**2**	35	
1,1,1-Trichloroethane	26.8	24.5	24.0	**91**	**90**	65-135	**1**	35	
Benzene	27.0	24.1	24.1	**89**	**89**	65-135	**0**	35	
Carbon Tetrachloride	26.0	24.8	24.2	**95**	**93**	65-135	**2**	35	
1,2-Dichloropropane	26.5	24.6	24.6	**93**	**93**	65-135	**0**	35	

Verified By: KUH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071002-LCS, P071002-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/2/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	26.6	26.2	**96**	**94**	65-135	**2**	35	
Trichloroethene	27.3	25.9	25.2	**95**	**92**	65-135	**3**	35	
cis-1,3-Dichloropropene	25.0	24.6	24.7	**98**	**99**	65-135	**1**	35	
4-Methyl-2-pentanone	27.5	26.5	26.7	**96**	**97**	65-135	**1**	35	
trans-1,3-Dichloropropene	28.0	27.7	27.9	**99**	**100**	65-135	**1**	35	
1,1,2-Trichloroethane	26.3	25.0	25.1	**95**	**95**	65-135	**0**	35	
Toluene	26.5	24.8	24.1	**94**	**91**	65-135	**3**	35	
2-Hexanone	26.3	24.5	25.3	**93**	**96**	65-135	**3**	35	
Dibromochloromethane	27.0	26.2	25.6	**97**	**95**	65-135	**2**	35	
1,2-Dibromoethane	26.3	25.4	24.9	**97**	**95**	65-135	**2**	35	
Tetrachloroethene	26.0	24.9	24.3	**96**	**93**	65-135	**3**	35	
Chlorobenzene	26.5	24.8	24.2	**94**	**91**	65-135	**3**	35	
Ethylbenzene	26.3	25.8	25.3	**98**	**96**	65-135	**2**	35	
m,p-Xylenes	62.5	60.7	59.4	**97**	**95**	65-135	**2**	35	
Bromoform	31.3	32.1	30.8	**103**	**98**	65-135	**5**	35	
Styrene	26.3	27.5	27.2	**105**	**103**	65-135	**2**	35	
o-Xylene	29.8	29.7	29.3	**100**	**98**	65-135	**2**	35	
1,1,2,2-Tetrachloroethane	29.8	28.4	28.2	**95**	**95**	65-135	**0**	35	
1,3-Dichlorobenzene	25.5	25.8	25.7	**101**	**101**	65-135	**0**	35	
1,4-Dichlorobenzene	26.3	26.8	26.8	**102**	**102**	65-135	**0**	35	
1,2-Dichlorobenzene	25.8	25.9	26.3	**100**	**102**	65-135	**2**	35	

Verified By: KuH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071003-LCS, P071003-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/3/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	17.9	15.3	**73**	**62**	65-135	**16**	35	L
Vinyl Chloride	24.8	23.9	20.4	**96**	**82**	65-135	**16**	35	
Bromomethane	25.0	24.4	22.6	**98**	**90**	65-135	**9**	35	
Chloroethane	25.0	24.3	21.0	**97**	**84**	65-135	**14**	35	
Acetone	26.8	26.0	22.3	**97**	**83**	65-135	**16**	35	
Trichlorofluoromethane	26.3	25.8	22.7	**98**	**86**	65-135	**13**	35	
1,1-Dichloroethene	27.8	28.7	24.7	**103**	**89**	65-135	**15**	35	
Methylene chloride	27.8	27.1	23.5	**97**	**85**	65-135	**13**	35	
Trichlorotrifluoroethane	27.8	28.7	25.6	**103**	**92**	65-135	**11**	35	
Carbon Disulfide	25.0	23.9	20.7	**96**	**83**	65-135	**15**	35	
trans-1,2-Dichloroethene	26.5	27.2	23.5	**103**	**89**	65-135	**15**	35	
1,1-Dichloroethane	26.8	25.5	21.9	**95**	**82**	65-135	**15**	35	
Methyl tert-Butyl Ether	26.8	28.2	25.0	**105**	**93**	65-135	**12**	35	
Vinyl Acetate	25.3	29.5	27.0	**117**	**107**	65-135	**9**	35	
2-Butanone (MEK)	27.0	27.4	23.9	**101**	**89**	65-135	**13**	35	
cis-1,2-Dichloroethene	27.0	27.2	23.4	**101**	**87**	65-135	**15**	35	
Chloroform	29.8	31.4	27.3	**105**	**92**	65-135	**13**	35	
1,2-Dichloroethane	26.3	26.0	22.5	**99**	**86**	65-135	**14**	35	
1,1,1-Trichloroethane	26.8	26.6	24.5	**99**	**91**	65-135	**8**	35	
Benzene	27.0	26.8	23.3	**99**	**86**	65-135	**14**	35	
Carbon Tetrachloride	26.0	27.1	24.5	**104**	**94**	65-135	**10**	35	
1,2-Dichloropropane	26.5	27.1	23.2	**102**	**88**	65-135	**15**	35	

L = Laboratory control sample recovery not within specified limits.

Verified By: KLH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2702949
CAS Sample ID: P071003-LCS, P071003-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/3/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	29.3	25.9	**105**	**93**	65-135	**12**	35	
Trichloroethene	27.3	28.6	25.6	**105**	**94**	65-135	**11**	35	
cis-1,3-Dichloropropene	25.0	27.0	23.7	**108**	**95**	65-135	**13**	35	
4-Methyl-2-pentanone	27.5	29.3	24.5	**107**	**89**	65-135	**18**	35	
trans-1,3-Dichloropropene	28.0	30.5	26.8	**109**	**96**	65-135	**13**	35	
1,1,2-Trichloroethane	26.3	27.7	24.2	**105**	**92**	65-135	**13**	35	
Toluene	26.5	27.3	24.2	**103**	**91**	65-135	**12**	35	
2-Hexanone	26.3	26.4	22.0	**100**	**84**	65-135	**17**	35	
Dibromochloromethane	27.0	29.1	25.9	**108**	**96**	65-135	**12**	35	
1,2-Dibromoethane	26.3	28.1	25.0	**107**	**95**	65-135	**12**	35	
Tetrachloroethene	26.0	27.6	24.5	**106**	**94**	65-135	**12**	35	
Chlorobenzene	26.5	27.3	24.0	**103**	**91**	65-135	**12**	35	
Ethylbenzene	26.3	28.4	24.9	**108**	**95**	65-135	**13**	35	
m,p-Xylenes	62.5	66.9	59.0	**107**	**94**	65-135	**13**	35	
Bromoform	31.3	35.4	31.6	**113**	**101**	65-135	**11**	35	
Styrene	26.3	30.1	26.4	**114**	**100**	65-135	**13**	35	
o-Xylene	29.8	32.4	28.8	**109**	**97**	65-135	**12**	35	
1,1,2,2-Tetrachloroethane	29.8	31.2	27.3	**105**	**92**	65-135	**13**	35	
1,3-Dichlorobenzene	25.5	28.0	24.5	**110**	**96**	65-135	**14**	35	
1,4-Dichlorobenzene	26.3	28.9	25.5	**110**	**97**	65-135	**13**	35	
1,2-Dichlorobenzene	25.8	28.3	24.5	**110**	**95**	65-135	**15**	35	

Verified By: KLH Date: 10/29/07

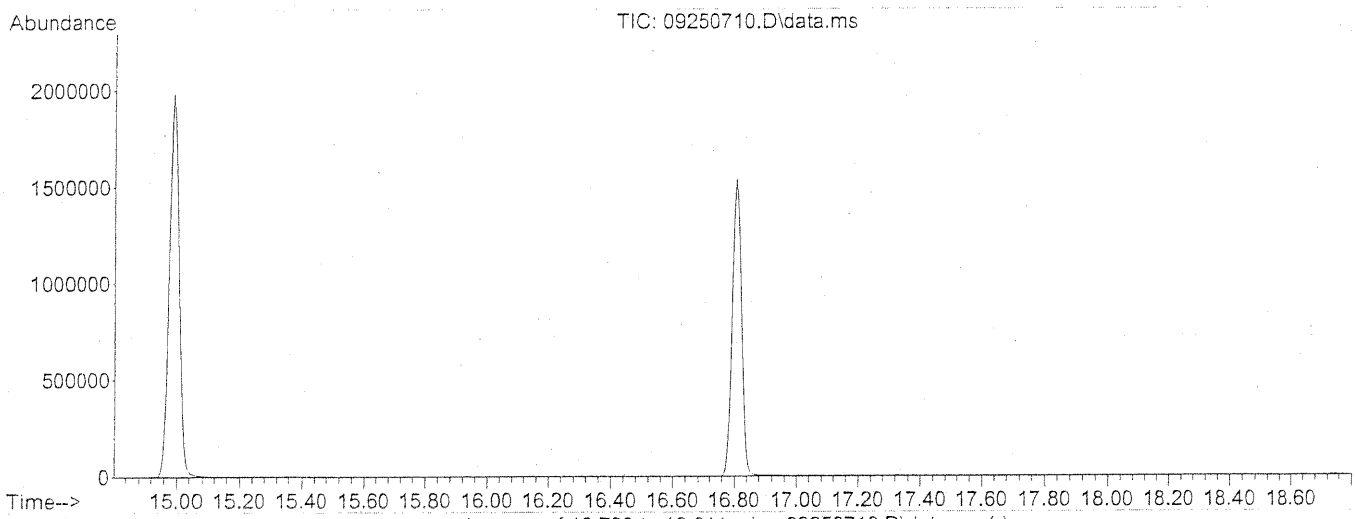
BFB

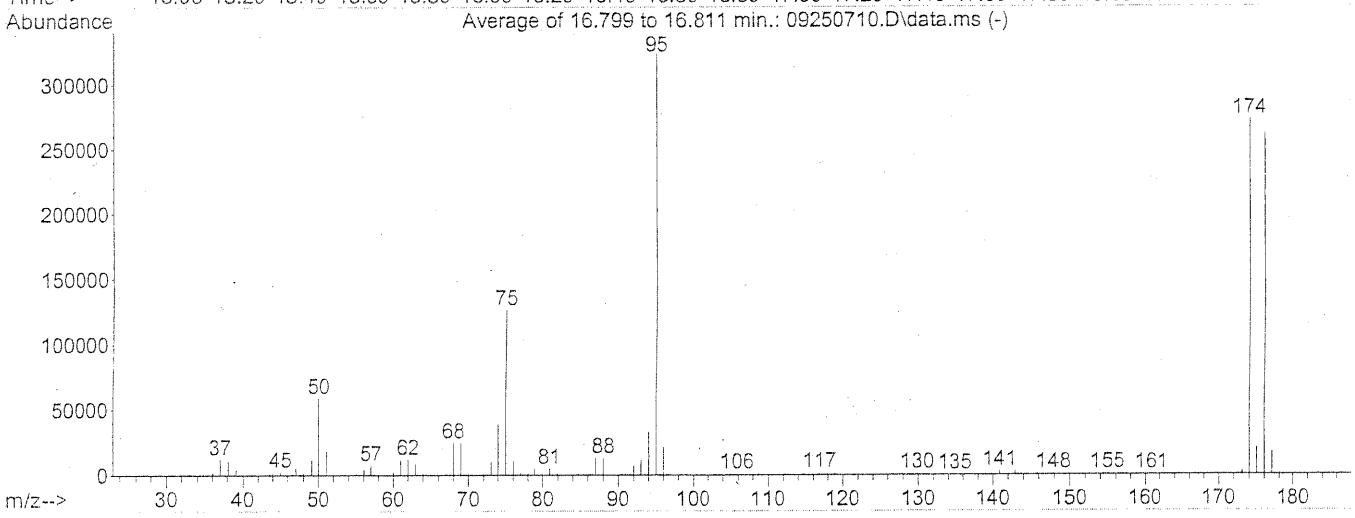
Data Path : J:\MS09\Data\2007_09\25\
Data File : 09250710.D
Acq On : 25 Sep 2007 3:57 pm
Operator : WA/EM
Sample : 25ng TO-15 BFB
Misc : S20-09100701
ALS Vial : 1 Sample Multiplier: 1

1GAL

Integration File: RTEINT.P

Method : J:\MS09\Methods\R9092507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Wed Sep 26 15:35:45 2007





AutoFind: Scans 2314, 2315, 2316; Background Corrected with Scan 2304

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	59029	PASS
75	95	30	66	39.1	126653	PASS
95	95	100	100	100.0	323946	PASS
96	95	5	9	6.6	21234	PASS
173	174	0.00	2	0.9	2415	PASS
174	95	50	120	84.1	272320	PASS
175	174	4	9	7.4	20082	PASS
176	174	93	101	96.1	261717	PASS
177	176	5	9	6.6	17302	PASS

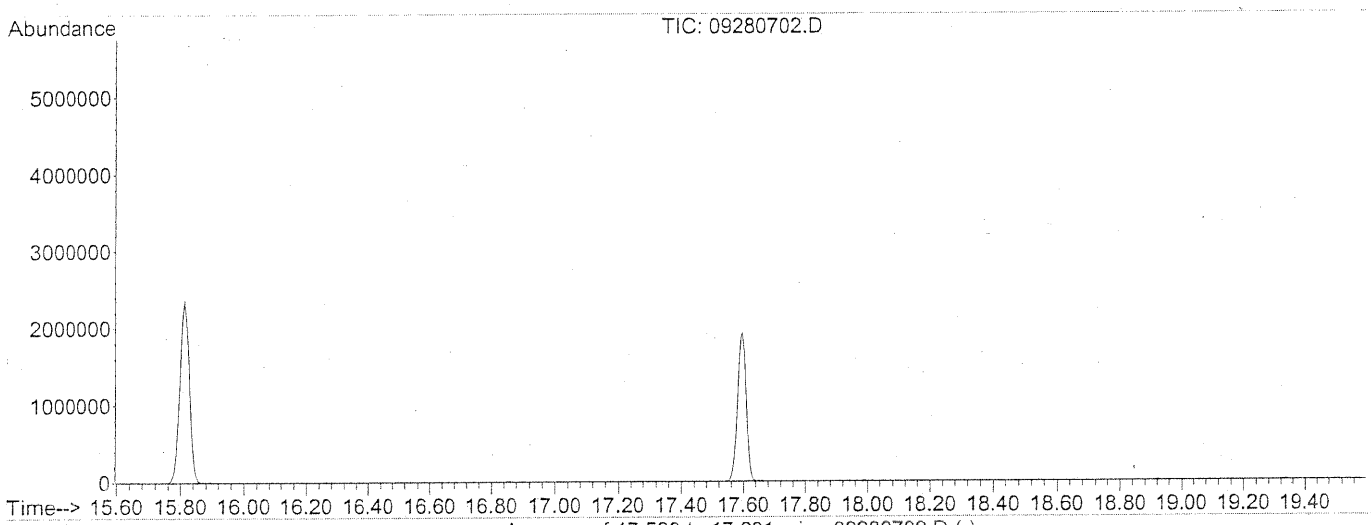
10/2/07

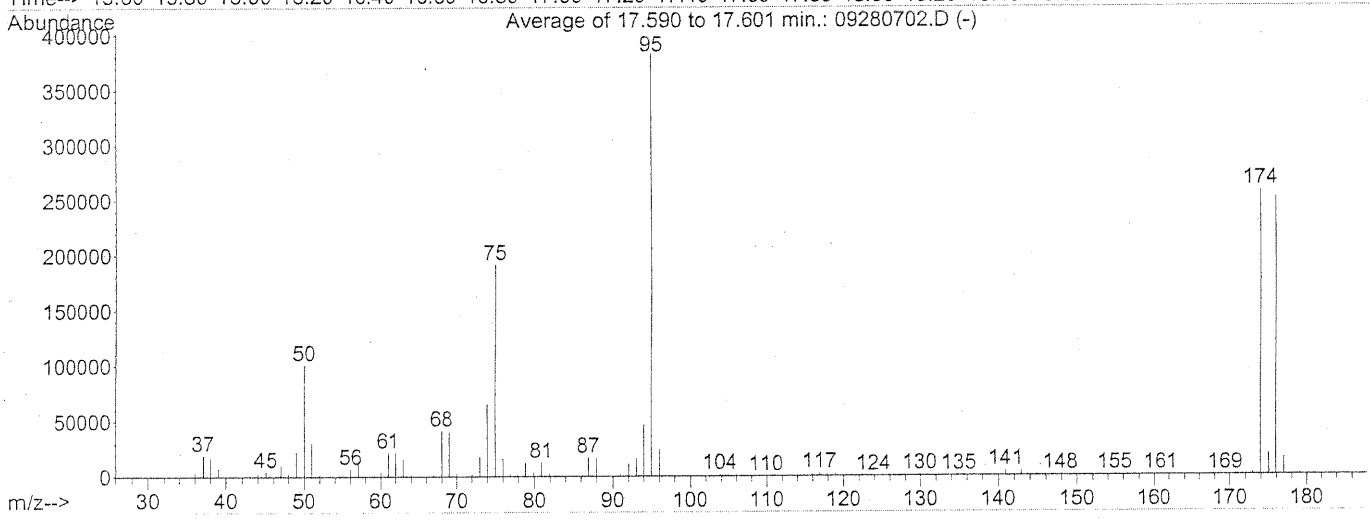
119

Data Path : J:\MS08\Data\2007_09\28\
Data File : 09280702.D
Acq On : 28 Sep 2007 8:26 am
Operator : WA
Sample : 25ng BFB STD
Misc : S20-09270703
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8092807.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Sep 28 13:34:24 2007





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.3	100829	PASS
75	95	30	66	50.0	191616	PASS
95	95	100	100	100.0	383018	PASS
96	95	5	9	6.3	24232	PASS
173	174	0.00	2	0.9	2388	PASS
174	95	50	120	67.3	257685	PASS
175	174	4	9	7.3	18741	PASS
176	174	93	101	97.6	251477	PASS
177	176	5	9	6.1	15284	PASS

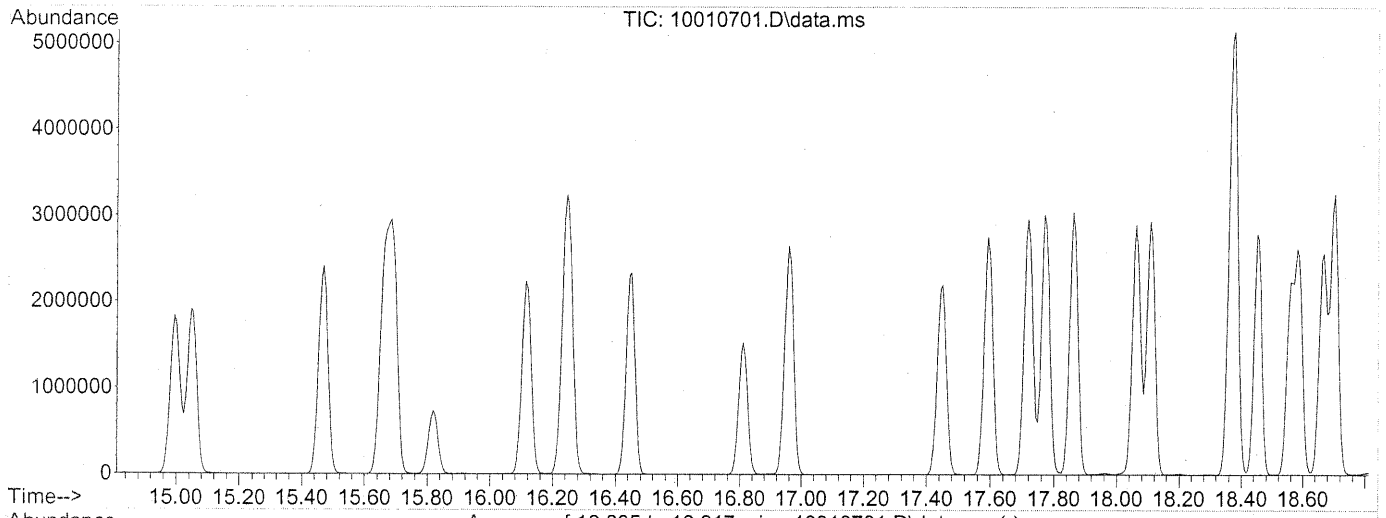
9/28/07 **120**

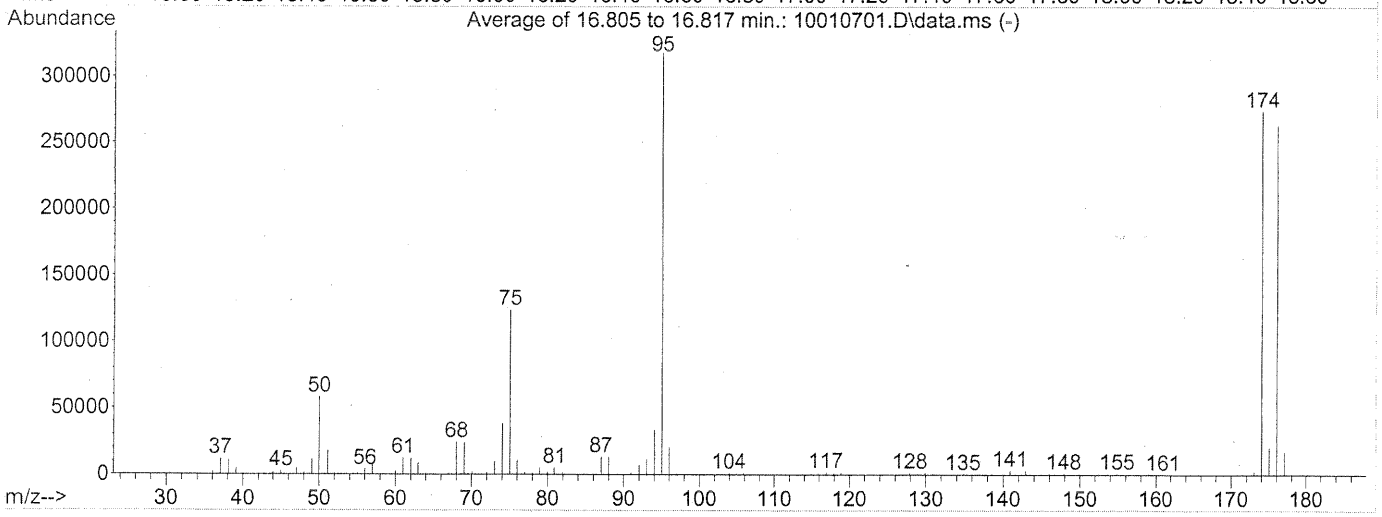
BFB

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010701.D
Acq On : 1 Oct 2007 8:08 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS09\Methods\R9092507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Wed Sep 26 15:35:45 2007





AutoFind: Scans 2315, 2316, 2317; Background Corrected with Scan 2305

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	57906	PASS
75	95	30	66	38.9	123589	PASS
95	95	100	100	100.0	317973	PASS
96	95	5	9	6.4	20349	PASS
173	174	0.00	2	0.8	2142	PASS
174	95	50	120	86.2	273984	PASS
175	174	4	9	7.4	20280	PASS
176	174	93	101	96.0	262997	PASS
177	176	5	9	6.5	17225	PASS

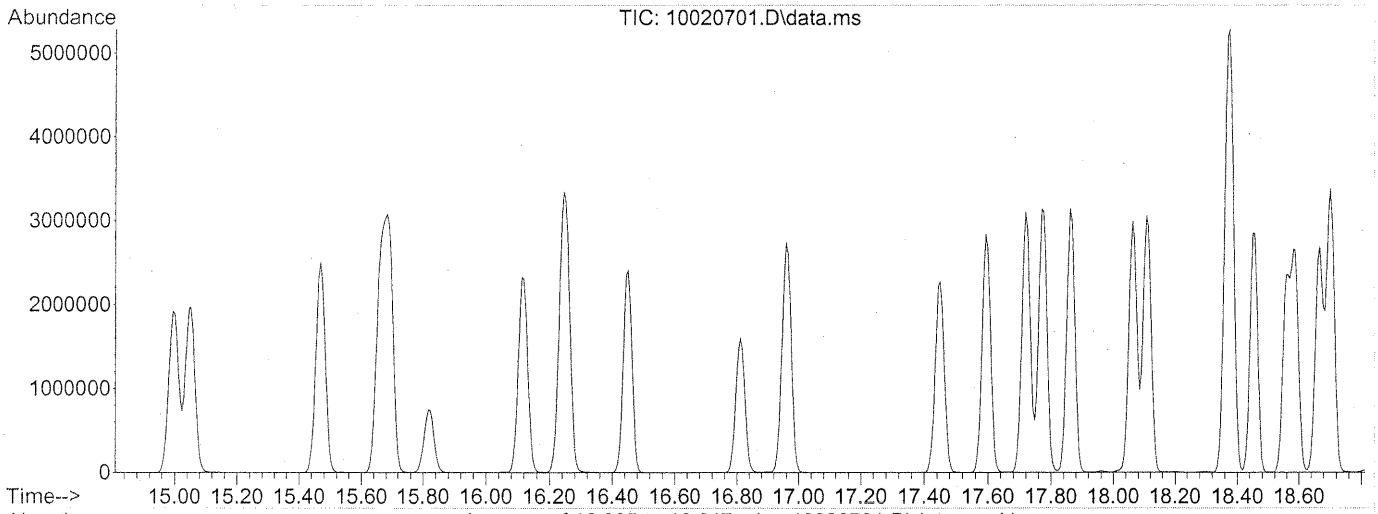
Bm 10/1/7 10/2/07 121

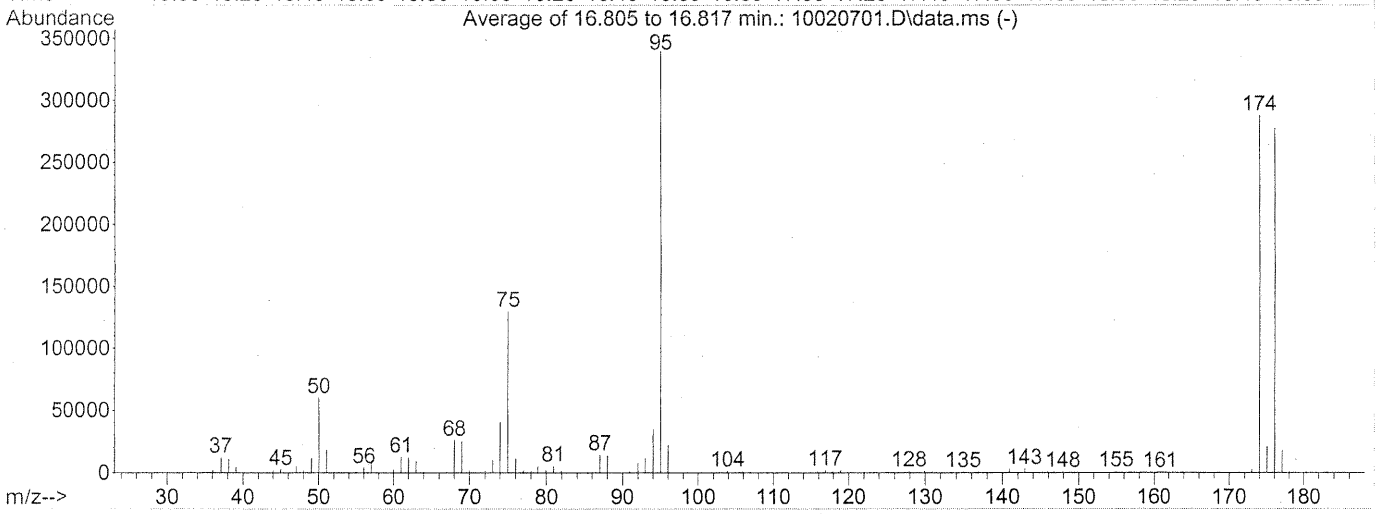
BFB

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 8:02 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS09\Methods\R9092507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Wed Sep 26 15:35:45 2007





AutoFind: Scans 2315, 2316, 2317; Background Corrected with Scan 2305

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	17.7	60013	PASS
75	95	30	66	38.2	129752	PASS
95	95	100	100	100.0	339584	PASS
96	95	5	9	6.4	21837	PASS
173	174	0.00	2	0.8	2301	PASS
174	95	50	120	84.7	287744	PASS
175	174	4	9	7.3	20938	PASS
176	174	93	101	96.4	277376	PASS
177	176	5	9	6.4	17792	PASS

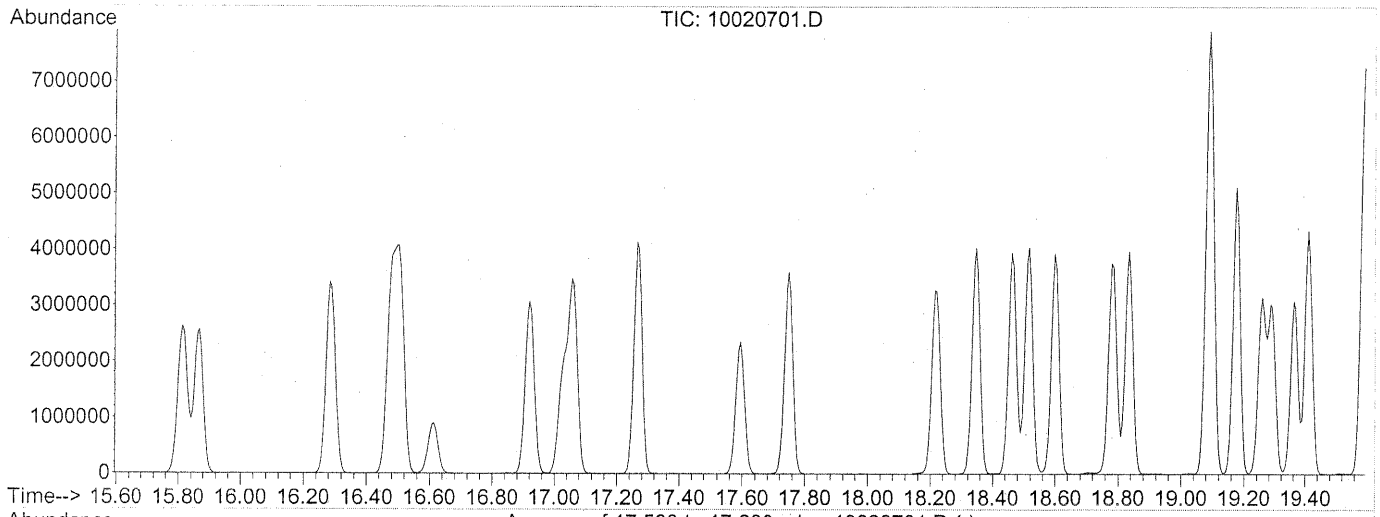
10/3/07 **122**

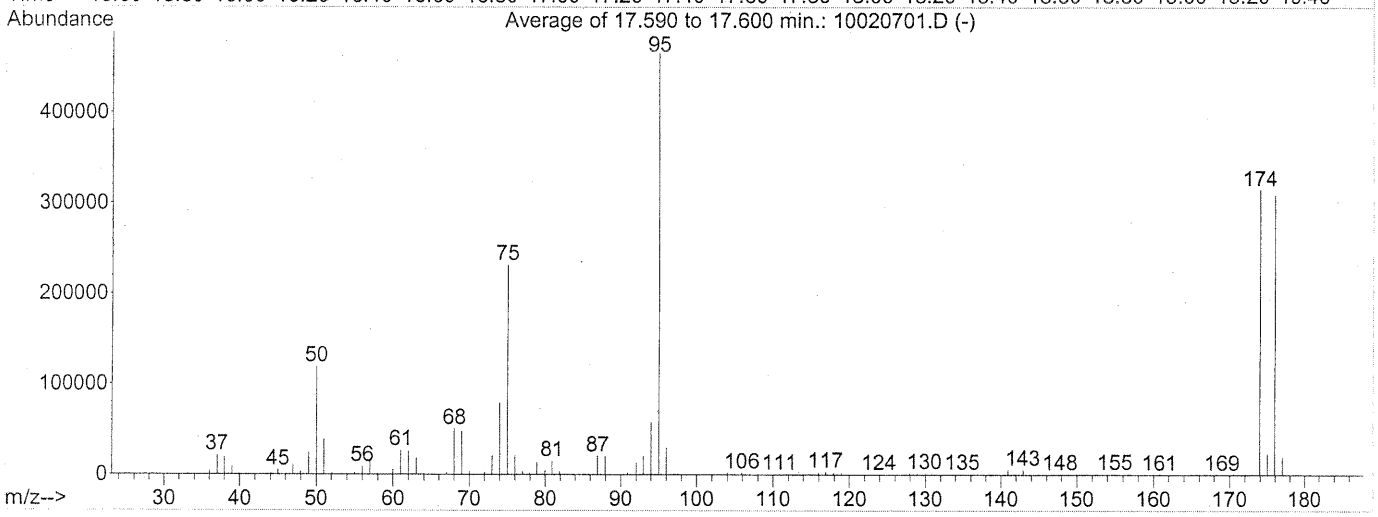
EM 10/3/7

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 7:29 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09250708
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8092807.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Sep 28 13:34:24 2007





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2487

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.6	119016	PASS
75	95	30	66	49.8	231680	PASS
95	95	100	100	100.0	465514	PASS
96	95	5	9	6.4	29853	PASS
173	174	0.00	2	0.3	1018	PASS
174	95	50	120	67.6	314688	PASS
175	174	4	9	7.3	22949	PASS
176	174	93	101	98.3	309205	PASS
177	176	5	9	6.5	20074	PASS

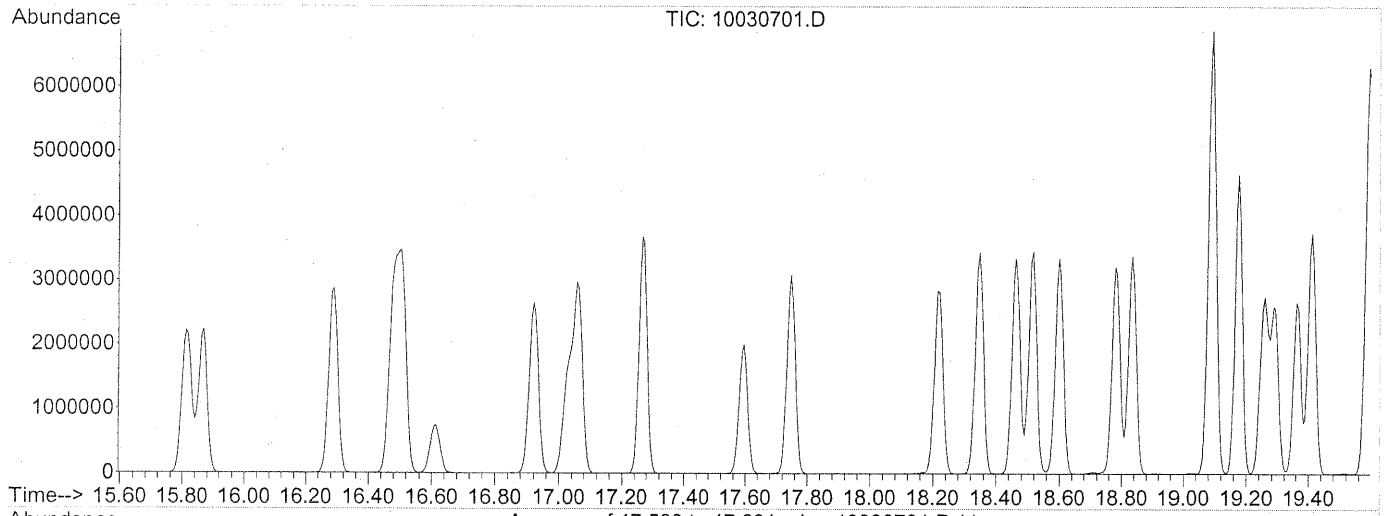
ADT 10/2/07

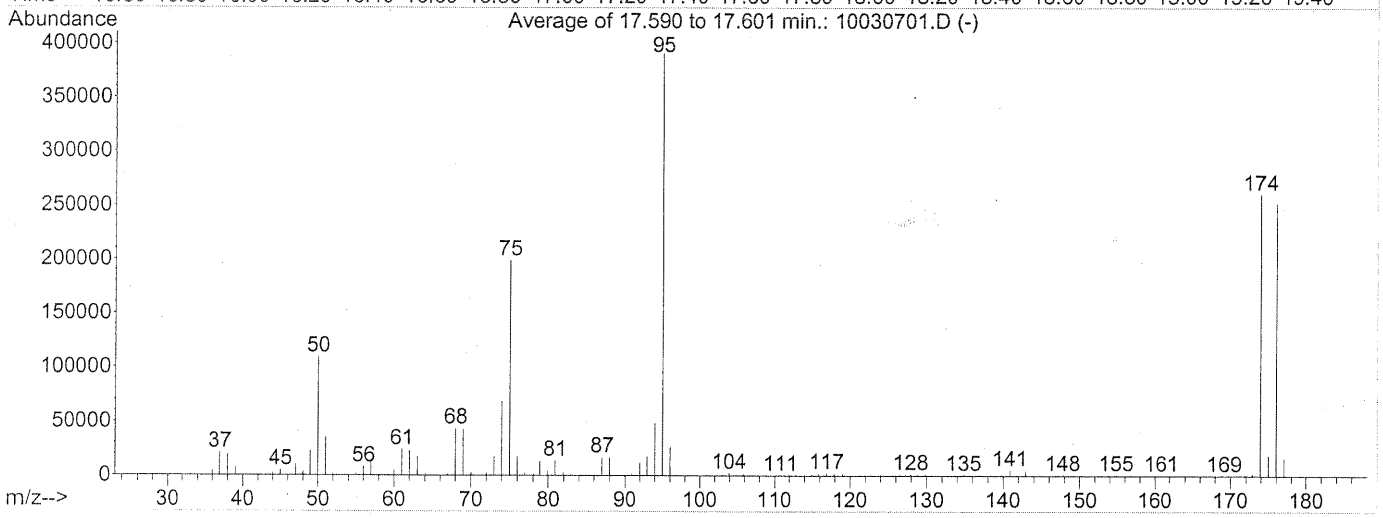
BFB

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030701.D
Acq On : 3 Oct 2007 6:45 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09260708
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8092807.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Sep 28 13:34:24 2007





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.9	109016	PASS
75	95	30	66	51.0	198848	PASS
95	95	100	100	100.0	390144	PASS
96	95	5	9	6.7	26234	PASS
173	174	0.00	2	0.7	1730	PASS
174	95	50	120	66.7	260309	PASS
175	174	4	9	7.2	18629	PASS
176	174	93	101	96.9	252138	PASS
177	176	5	9	6.6	16605	PASS

10/3/07

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Response Factor Report MS09

Method Path : J:\MS09\Methods\
Method File : R9092507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Wed Sep 26 15:35:45 2007
Response Via : Initial Calibration

Calibration Files
0.1 =09250711.D 0.5 =09250712.D 1.0 =09250713.D 5.0 =09250714.D 25 =09250715.D 50 =09250716.D 100 =09250717.D

		Compound	0.1	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------								
2)	T	Propene	1.890	1.805	1.556	1.426	1.259	1.162	1.049	1.449	22.02
3)	T	Dichlorodifluo...	2.821	2.735	2.423	2.134	1.951	1.794	1.671	2.218	20.41
4)	T	Chloromethane	2.564	2.757	2.438	2.202	2.076	1.890	1.733	2.237	16.52
5)	T	Freon 114	1.412	1.256	1.131	0.966	0.926	0.829	0.749	1.038	22.96
6)	T	Vinyl Chloride	1.235	1.481	1.297	1.148	1.076	0.992	0.911	1.163	16.66
7)	T	1,3-Butadiene	0.783	1.037	0.962	0.881	0.865	0.809	0.723	0.866	12.43
8)	T	Bromomethane	1.060	1.294	1.123	1.031	0.979	0.909	0.865	1.037	13.82
9)	T	Chloroethane	1.013	1.126	1.027	0.933	0.882	0.807	0.757	0.935	13.95
10)	T	Ethanol		1.008	0.912	0.823	0.918	0.892	0.902	0.909	6.50
11)	T	Acetonitrile	2.453	2.799	2.418	2.165	2.320	2.216	2.169	2.363	9.50
12)	T	Acrolein		0.796	0.725	0.686	0.731	0.698	0.689	0.721	5.72
13)	T	Acetone			1.274	1.032	0.926	0.941	0.923	1.019	14.63
14)	T	Trichlorofluor...	1.954	2.071	1.784	1.639	1.621	1.550	1.495	1.731	12.42
15)	T	Isopropanol		4.030	3.603	3.020	3.385	2.699	2.477	3.202	18.16
16)	T	Acrylonitrile		1.888	1.676	1.682	1.796	1.735	1.691	1.745	4.78
17)	T	1,1-Dichloroet...	1.157	1.310	1.137	1.064	1.014	0.951	0.899	1.076	12.92
18)	T	tert-Butanol		3.340	2.931	2.543	2.516	2.275	1.917	2.587	19.23
19)	T	Methylene Chlo...	1.632	1.447	1.218	1.092	1.044	0.972	0.887	1.185	22.67
20)	T	Allyl Chloride	1.400	1.871	1.738	1.725	1.783	1.676	1.600	1.685	8.97
21)	T	Trichlorotrifl...	1.265	1.331	1.154	1.076	1.080	1.020	0.950	1.125	11.98
22)	T	Carbon Disulfide		5.223	4.547	4.159	4.017	3.706	3.362	4.169	15.70
23)	T	trans-1,2-Dich...	1.811	2.043	1.844	1.683	1.661	1.559	1.484	1.727	10.94
24)	T	1,1-Dichloroet...	2.106	2.377	2.032	1.784	1.697	1.553	1.387	1.848	18.57
25)	T	Methyl tert-Bu...	3.092	3.319	2.941	2.759	2.610	2.400	2.103	2.746	15.15
26)	T	Vinyl Acetate			0.141	0.189	0.216	0.215	0.198	0.192	16.00
27)	T	2-Butanone	0.757	0.808	0.725	0.680	0.671	0.628	0.570	0.691	11.55
28)	T	cis-1,2-Dichlo...	1.647	1.926	1.671	1.514	1.477	1.402	1.350	1.570	12.51
29)	T	Diisopropyl Ether	0.761	1.048	0.930	0.863	0.807	0.732	0.628	0.824	16.74
30)	T	Ethyl Acetate		0.467	0.445	0.439	0.400	0.364	0.284	0.400	16.93
31)	T	n-Hexane		2.697	2.306	2.170	2.082	1.905	1.576	2.123	17.80
32)	T	Chloroform	1.841	1.936	1.674	1.398	1.367	1.229	1.159	1.515	20.04
33)	S	1,2-Dichloroet...	1.307	1.303	1.303	1.222	1.211	1.131	1.140	1.231	6.20
34)	T	Tetrahydrofuran	0.645	0.817	0.721	0.696	0.668	0.595	0.482	0.661	15.85
35)	T	Ethyl tert-But...	1.249	1.401	1.243	1.184	1.176	1.104	1.018	1.196	10.13
36)	T	1,2-Dichloroet...	1.579	1.770	1.543	1.447	1.436	1.332	1.202	1.473	12.38
37)	IR	1,4-Difluorobenzen...	----------ISTD----------								
38)	T	1,1,1-Trichlor...	0.405	0.432	0.392	0.364	0.378	0.372	0.381	0.389	5.99
39)	T	Isopropyl Acetate		0.182	0.176	0.167	0.175	0.174	0.171	0.174	2.90
40)	T	1-Butanol		0.231	0.198	0.190	0.277	0.281	0.285	0.244	17.68

Method Path : J:\MS09\Methods\
Method File : R9092507.M

41)	T	Benzene	1.209	1.155	1.018	0.923	0.896	0.847	0.796	0.978	16.00
42)	T	Carbon Tetrach...	0.368	0.415	0.378	0.364	0.391	0.390	0.397	0.386	4.63
43)	T	Cyclohexane		0.463	0.405	0.354	0.351	0.331	0.312	0.369	15.04
44)	T	tert-Amyl Meth...	0.636	0.714	0.635	0.611	0.615	0.588	0.563	0.623	7.63
45)	T	1,2-Dichloropr...	0.308	0.319	0.287	0.264	0.263	0.256	0.248	0.278	9.85
46)	T	Bromodichlorom...	0.262	0.326	0.292	0.286	0.282	0.264	0.238	0.279	10.01
47)	T	Trichloroethene	0.374	0.390	0.343	0.311	0.299	0.266	0.242	0.318	17.15
48)	T	1,4-Dioxane	0.128	0.207	0.197	0.181	0.175	0.158	0.136	0.169	17.71
49)	T	Isooctane	1.442	1.588	1.420	1.293	1.241	1.069	0.815	1.267	20.43
50)	T	Methyl Methacr...		0.089	0.098	0.102	0.111	0.108	0.106	0.102	7.88
51)	T	n-Heptane		0.292	0.270	0.243	0.235	0.212	0.190	0.240	15.47
52)	T	cis-1,3-Dichlo...		0.388	0.357	0.353	0.340	0.309	0.281	0.338	11.22
53)	T	4-Methyl-2-pen...		0.295	0.270	0.268	0.272	0.250	0.218	0.262	9.89
54)	T	trans-1,3-Dich...		0.308	0.283	0.308	0.320	0.310	0.305	0.306	3.99
55)	T	1,1,2-Trichlor...	0.219	0.285	0.259	0.241	0.238	0.232	0.227	0.243	9.24
56)	I	Chlorobenzene-d5 (...	----------ISTD----------								
57)	S	Toluene-d8 (SS2)	2.473	2.457	2.462	2.450	2.479	2.545	2.558	2.489	1.76
58)	T	Toluene	3.402	3.384	2.985	2.682	2.576	2.319	1.962	2.759	19.43
59)	T	2-Hexanone	1.512	1.918	1.758	1.728	1.832	1.680	1.431	1.694	10.13
60)	T	Dibromochlorom...	0.598	0.794	0.765	0.772	0.843	0.815	0.763	0.764	10.33
61)	T	1,2-Dibromoethane	0.610	0.821	0.764	0.724	0.752	0.717	0.667	0.722	9.46
62)	T	Butyl Acetate	1.297	1.801	1.702	1.696	1.858	1.745	1.506	1.658	11.69
63)	T	n-Octane		0.811	0.717	0.655	0.668	0.616	0.511	0.663	15.13
64)	T	Tetrachloroethene	0.840	0.931	0.816	0.740	0.759	0.707	0.623	0.774	12.87
65)	T	Chlorobenzene	2.298	2.437	2.124	1.930	1.855	1.691	1.467	1.972	17.25
66)	T	Ethylbenzene	3.327	3.524	3.215	2.970	2.856	2.575	2.206	2.953	15.43
67)	T	m- & p-Xylene	2.289	2.342	2.109	1.933	1.855	1.634	1.353	1.931	18.38
68)	T	Bromoform		0.403	0.391	0.434	0.509	0.491	0.460	0.448	10.52
69)	T	Styrene	1.734	1.987	1.909	1.883	1.939	1.762	1.533	1.821	8.60
70)	T	o-Xylene	2.400	2.479	2.235	2.074	2.004	1.737	1.414	2.049	18.32
71)	T	n-Nonane	1.619	1.813	1.629	1.530	1.546	1.328	0.997	1.495	17.57
72)	T	1,1,2,2-Tetrac...	0.767	1.012	0.954	0.909	0.859	0.732	0.573	0.829	18.08
73)	S	Bromofluoroben...	0.842	0.841	0.840	0.851	0.882	0.882	0.894	0.862	2.70
74)	T	Cumene	3.505	3.572	3.249	2.978	2.963	2.666	2.279	3.030	15.18
75)	T	alpha-Pinene	1.417	1.598	1.498	1.435	1.437	1.291	1.103	1.397	11.38
76)	T	n-Propylbenzene	3.756	4.058	3.779	3.478	3.422	3.067	2.562	3.446	14.55
77)	T	3-Ethyltoluene	3.413	3.628	3.323	3.049	3.137	2.853	2.413	3.117	12.84
78)	T	4-Ethyltoluene	3.413	3.441	3.145	2.996	2.980	2.600	2.184	2.966	15.10
79)	T	1,3,5-Trimethy...	2.948	3.009	2.757	2.589	2.593	2.316	1.966	2.597	14.03
80)	T	alpha-Methylst...	1.165	1.449	1.428	1.431	1.581	1.425	1.230	1.387	10.22
81)	T	2-Ethyltoluene	3.450	3.709	3.368	3.179	3.187	2.841	2.391	3.161	13.69
82)	T	1,2,4-Trimethy...	2.646	2.931	2.710	2.567	2.415	2.062	1.594	2.418	18.72
83)	T	n-Decane	1.586	1.867	1.720	1.614	1.649	1.424	1.110	1.567	15.45
84)	T	Benzyl Chloride	1.231	1.695	1.727	1.945	2.145	1.966	1.647	1.765	16.72
85)	T	1,3-Dichlorobe...	1.713	1.907	1.732	1.660	1.721	1.544	1.319	1.656	11.08
86)	T	1,4-Dichlorobe...	1.794	1.892	1.720	1.648	1.688	1.525	1.295	1.652	11.78
87)	T	sec-Butylbenzene	3.438	3.946	3.618	3.450	3.411	2.954	2.407	3.318	15.01
88)	T	p-Isopropyltol...	2.892	3.466	3.176	3.053	2.983	2.573	2.011	2.879	16.30
89)	T	1,2,3-Trimethy...	2.488	2.851	2.662	2.528	2.447	2.124	1.665	2.395	16.31
90)	T	1,2-Dichlorobe...	1.622	1.778	1.629	1.572	1.598	1.437	1.235	1.553	11.10

Method Path : J:\MS09\Methods\
Method File : R9092507.M

91)	T	d-Limonene	0.710	0.917	0.865	0.860	0.836	0.703	0.552	0.778	16.47
92)	T	1,2-Dibromo-3-...		0.411	0.431	0.474	0.526	0.530	0.497	0.478	10.26
93)	T	n-Undecane	1.698	1.853	1.731	1.643	1.633	1.420	1.082	1.580	16.16
94)	T	1,2,4-Trichlor...	0.146	0.273	0.266	0.263	0.257	0.253	0.235	0.242	18.13
95)	T	Naphthalene	3.301	3.473	3.547	3.607	3.559	3.608	3.259	3.479	4.13
96)	T	n-Dodecane	1.485	1.482	1.475	1.475	1.507	1.366	1.055	1.406	11.49
97)	T	Hexachloro-1,3...	0.404	0.441	0.412	0.405	0.401	0.394	0.361	0.402	5.89

(#) = Out of Range

Response Factor Report MS08

Method Path : J:\MS08\METHODS\
Method File : R8092807.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Sep 28 13:34:24 2007
Response Via : Initial Calibration

Calibration Files
0.1 =09280703.D 0.5 =09280704.D 1.0 =09280705.D 5.0 =09280706.D
25 =09280707.D 50 =09280708.D 100 =09280709.D

		Compound	0.1	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane (I ----------ISTD----------									
2)	T	Propene	3.997	3.639	3.519	3.415	3.230	2.754	2.527	3.298	15.48
3)	T	Dichlorodifluorom	5.108	4.660	4.457	4.278	4.049	3.498	3.327	4.197	15.03
4)	T	Chloromethane	6.880	6.803	6.808	6.264	6.034	4.759		6.258	12.95
5)	T	Freon 114	1.575	1.726	1.633	1.490	1.491	1.313	1.174	1.486	12.72
6)	T	Vinyl Chloride	5.219	4.825	4.807	4.658	4.516	3.874	3.338	4.462	14.39
7)	T	1,3-Butadiene	4.126	4.546	4.487	4.339	4.277	3.691	3.231	4.100	11.62
8)	T	Bromomethane	1.689	1.620	1.566	1.502	1.460	1.359	1.327	1.503	8.82
9)	T	Chloroethane	2.104	2.012	1.954	1.802	1.722	1.563	1.455	1.802	13.26
10)	T	Ethanol		2.776	2.725	2.369	2.608	2.271	2.014	2.461	11.98
11)	T	Acetonitrile		6.190	6.083	5.656	5.957	5.200	4.701	5.631	10.27
12)	T	Acrolein	1.945	1.993	1.940	1.824	1.899	1.682	1.582	1.838	8.30
13)	T	Acetone		3.054	2.716	2.449	2.237	1.961	1.819	2.373	19.61
14)	T	Trichlorofluorome	3.634	3.449	3.279	2.957	2.846	2.672	2.634	3.067	12.74
15)	T	Isopropanol		8.315	8.420	7.681	7.860	6.246	5.118	7.273	18.04
16)	T	Acrylonitrile	2.993	4.466	4.686	4.368	4.464	4.004	3.742	4.103	14.23
17)	T	1,1-Dichloroethen	1.929	1.684	1.617	1.608	1.542	1.436	1.401	1.602	10.97
18)	T	tert-Butanol		6.402	7.110	6.844	6.716	6.054	5.155	6.380	11.02
19)	T	Methylene Chlorid		2.077	1.921	1.727	1.617	1.513	1.476	1.722	13.75
20)	T	Allyl Chloride	2.909	3.370	3.416	3.587	3.504	3.167	3.022	3.282	7.75
21)	T	Trichlorotrifluor	1.185	1.176	1.106	1.018	0.992	0.956	0.960	1.056	9.33
22)	T	Carbon Disulfide		8.939	7.947	7.125	6.750	6.247	5.971	7.163	15.55
23)	T	trans-1,2-Dichlor	3.709	3.859	3.827	3.700	3.634	3.316	3.158	3.600	7.33
24)	T	1,1-Dichloroethan	5.120	4.938	4.553	4.130	3.989	3.661	3.451	4.263	14.80
25)	T	Methyl tert-Butyl	4.801	4.843	4.889	4.952	4.816	4.496	4.316	4.730	4.93
26)	T	Vinyl Acetate		0.224	0.236	0.251	0.308	0.302	0.297	0.270	13.78
27)	T	2-Butanone	1.133	1.245	1.169	1.139	1.109	1.021	0.963	1.111	8.42
28)	T	cis-1,2-Dichloroe	3.505	3.698	3.663	3.449	3.363	3.084	2.940	3.386	8.37
29)	T	Diisopropyl Ether	1.001	1.267	1.331	1.377	1.316	1.238	1.168	1.243	10.16
30)	T	Ethyl Acetate	0.925	0.981	0.968	0.957	0.922	0.833	0.759	0.906	8.96
31)	T	n-Hexane	5.230	5.538	5.507	5.201	4.999	4.501	4.189	5.024	10.09
32)	T	Chloroform	2.768	2.973	2.779	2.585	2.521	2.337	2.302	2.609	9.43
33)	S	1,2-Dichloroethan	2.557	2.597	2.687	2.677	2.634	2.469	2.442	2.580	3.74
34)	T	Tetrahydrofuran	0.804	1.012	1.130	1.122	1.112	1.026	0.954	1.023	11.42
35)	T	Ethyl tert-Butyl	1.667	1.823	1.935	1.874	1.885	1.784	1.744	1.816	5.07
36)	T	1,2-Dichloroethan	3.442	3.596	3.481	3.343	3.178	2.889	2.765	3.242	9.66
37)	IR	1,4-Difluorobenzene (----------ISTD----------									
38)	T	1,1,1-Trichloroet	0.643	0.612	0.570	0.529	0.523	0.514	0.510	0.557	9.44
39)	T	Isopropyl Acetate	0.266	0.321	0.325	0.321	0.334	0.321	0.301	0.313	7.33
40)	T	1-Butanol		0.346	0.404	0.414	0.593	0.572	0.530	0.476	21.39
41)	T	Benzene	1.792	1.521	1.410	1.364	1.315	1.254	1.188	1.406	14.31
42)	T	Carbon Tetrachlor	0.468	0.467	0.463	0.436	0.436	0.431	0.432	0.448	3.88
43)	T	Cyclohexane		0.648	0.565	0.525	0.509	0.491	0.468	0.534	12.12
44)	T	tert-Amyl Methyl	0.951	0.946	0.932	0.939	0.948	0.914	0.883	0.930	2.62
45)	T	1,2-Dichloropropa	0.548	0.570	0.559	0.525	0.511	0.480	0.454	0.521	8.18
46)	T	Bromodichlorometh	0.506	0.504	0.478	0.469	0.460	0.449	0.438	0.472	5.46
47)	T	Trichloroethene	0.325	0.322	0.298	0.287	0.279	0.275	0.269	0.294	7.67
48)	T	1,4-Dioxane		0.158	0.231	0.248	0.252	0.243	0.230	0.227	15.36
49)	T	Isooctane	2.515	2.726	2.685	2.641	2.564	2.385	2.126	2.520	8.26
50)	T	Methyl Methacryla		0.116	0.119	0.112	0.120	0.117	0.115	0.117	2.60
51)	T	n-Heptane	0.343	0.373	0.363	0.366	0.356	0.335	0.318	0.350	5.58
52)	T	cis-1,3-Dichlorop	0.536	0.581	0.589	0.585	0.586	0.553	0.526	0.565	4.68
53)	T	4-Methyl-2-pentan	0.491	0.473	0.532	0.577	0.590	0.548	0.499	0.530	8.40
54)	T	trans-1,3-Dichlor	0.472	0.547	0.519	0.541	0.547	0.519	0.503	0.521	5.23
55)	T	1,1,2-Trichloroet		0.389	0.345	0.335	0.331	0.314	0.303	0.336	8.90
56)	I	Chlorobenzene-d5 (IS3 ----------ISTD----------									
57)	S	Toluene-d8 (SS2)	2.279	2.265	2.227	2.240	2.192	2.234	2.238	2.239	1.24

Response Factor Report MS08

Method Path : J:\MS08\METHODS\
Method File : R8092807.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Fri Sep 28 13:34:24 2007
Response Via : Initial Calibration

Calibration Files
0.1 =09280703.D 0.5 =09280704.D 1.0 =09280705.D 5.0 =09280706.D
25 =09280707.D 50 =09280708.D 100 =09280709.D

		Compound	0.1	0.5	1.0	5.0	25	50	100	Avg	%RSD
58)	T	Toluene	2.872	2.735	2.609	2.477	2.387	2.315	2.196	2.513	9.54
59)	T	2-Hexanone	2.401	2.351	2.567	2.671	2.689	2.446	2.129	2.465	8.01
60)	T	Dibromochlorometh	0.628	0.602	0.612	0.584	0.587	0.579	0.577	0.596	3.21
61)	T	1,2-Dibromoethane	0.659	0.663	0.615	0.621	0.614	0.601	0.584	0.622	4.63
62)	T	Butyl Acetate	1.693	2.149	2.470	2.728	2.809	2.559	2.211	2.374	16.30
63)	T	n-Octane	0.851	0.994	0.988	0.975	0.958	0.899	0.828	0.928	7.35
64)	T	Tetrachloroethene	0.580	0.606	0.542	0.540	0.521	0.522	0.521	0.547	6.07
65)	T	Chlorobenzene	1.642	1.644	1.515	1.475	1.422	1.373	1.312	1.483	8.57
66)	T	Ethylbenzene	2.964	2.939	2.833	2.892	2.871	2.753	2.594	2.835	4.48
67)	T	m- & p-Xylene	1.934	1.945	1.930	1.925	1.890	1.829	1.739	1.885	3.99
68)	T	Bromoform	0.402	0.390	0.377	0.371	0.380	0.381	0.386	0.384	2.59
69)	T	Styrene	1.261	1.401	1.414	1.539	1.574	1.527	1.465	1.454	7.37
70)	T	o-Xylene	1.795	2.095	2.056	2.086	2.088	1.993	1.915	2.004	5.64
71)	T	n-Nonane		2.204	2.314	2.465	2.362	2.129	1.802	2.213	10.54
72)	T	1,1,2,2-Tetrachlo	1.036	1.038	1.050	1.047	1.025	0.967	0.907	1.010	5.31
73)	S	Bromofluorobenzen	0.584	0.586	0.596	0.613	0.623	0.632	0.644	0.611	3.81
74)	T	Cumene	2.308	2.474	2.410	2.470	2.484	2.374	2.269	2.398	3.56
75)	T	alpha-Pinene	1.144	1.253	1.236	1.370	1.481	1.418	1.355	1.322	8.82
76)	T	n-Propylbenzene	2.829	3.445	3.486	3.663	3.674	3.453	3.169	3.388	8.81
77)	T	3-Ethyltoluene	2.056	2.412	2.519	2.703	2.753	2.576	2.505	2.503	9.17
78)	T	4-Ethyltoluene	1.950	2.421	2.494	2.507	2.480	2.419	2.312	2.369	8.28
79)	T	1,3,5-Trimethylbe	1.837	2.012	2.019	2.211	2.214	2.136	2.079	2.073	6.39
80)	T	alpha-Methylstyre	0.708	0.812	0.857	0.975	1.248	1.177	1.141	0.988	20.78
81)	T	2-Ethyltoluene	1.932	2.532	2.568	2.707	2.775	2.636	2.527	2.525	10.98
82)	T	1,2,4-Trimethylbe	1.586	1.975	2.021	2.234	2.301	2.203	2.124	2.063	11.64
83)	T	n-Decane	1.428	1.964	2.132	2.461	2.482	2.282	2.064	2.116	17.04
84)	T	Benzyl Chloride	1.432	1.571	1.809	2.197	2.397	2.320	2.246	1.996	19.42
85)	T	1,3-Dichlorobenze	1.034	1.132	1.159	1.187	1.195	1.146	1.115	1.138	4.74
86)	T	1,4-Dichlorobenze	0.974	1.089	1.107	1.158	1.171	1.120	1.085	1.101	5.86
87)	T	sec-Butylbenzene	1.922	2.564	2.769	3.046	3.081	2.919	2.719	2.717	14.56
88)	T	p-Isopropyltoluen	1.425	1.926	2.065	2.322	2.440	2.316	2.187	2.097	16.36
89)	T	1,2,3-Trimethylbe	1.365	1.934	2.020	2.237	2.329	2.225	2.164	2.039	16.01
90)	T	1,2-Dichlorobenze	0.938	1.086	1.076	1.159	1.132	1.081	1.030	1.072	6.72
91)	T	d-Limonene	0.666	0.663	0.729	0.919	1.167	1.069	0.986	0.885	22.92
92)	T	1,2-Dibromo-3-Chl		0.269	0.305	0.365	0.411	0.401	0.391	0.357	16.11
93)	T	n-Undecane		1.257	1.591	2.384	2.660	2.463	2.151	2.084	26.25
94)		1,2,4-Trichlorobe		0.496	0.587	0.734	0.857	0.840	0.811	0.721	20.54
95)	T	Naphthalene		1.007	1.436	2.230	3.023	3.024	2.852	2.262	38.36
96)	T	n-Dodecane			0.975	1.716	2.433	2.408	2.128	1.932	31.47
97)	T	Hexachloro-1,3-bu		0.322	0.395	0.463	0.518	0.521	0.520	0.457	18.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010701.D
Acq On : 1 Oct 2007 8:08 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 01 08:37:05 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	96	0.00
2	T	Propene	1.449	1.372	5.3	104	-0.01
3	T	Dichlorodifluoromethane	2.218	2.105	5.1	103	0.00
4	T	Chloromethane	2.237	2.302	-2.9	106	-0.01
5	T	Freon 114	1.038	1.050	-1.2	109	0.00
6	T	Vinyl Chloride	1.163	1.362	-17.1	121	0.00
7	T	1,3-Butadiene	0.866	1.100	-27.0	122	0.00
8	T	Bromomethane	1.037	0.794	23.4	78	0.00
9	T	Chloroethane	0.935	0.964	-3.1	105	0.00
10	T	Ethanol	0.909	1.021	-12.3	107	0.00
11	T	Acetonitrile	2.363	2.535	-7.3	105	0.00
12	T	Acrolein	0.721	0.813	-12.8	107	0.00
13	T	Acetone	1.019	1.050	-3.0	109	0.00
14	T	Trichlorofluoromethane	1.731	1.843	-6.5	109	0.00
15	T	Isopropanol	3.202	3.660	-14.3	104	0.00
16	T	Acrylonitrile	1.745	1.947	-11.6	104	0.00
17	T	1,1-Dichloroethene	1.076	1.114	-3.5	105	0.00
18	T	tert-Butanol	2.587	2.981	-15.2	114	0.00
19	T	Methylene Chloride	1.185	1.139	3.9	105	0.00
20	T	Allyl Chloride	1.685	1.941	-15.2	104	0.00
21	T	Trichlorotrifluoroethane	1.125	1.156	-2.8	103	0.00
22	T	Carbon Disulfide	4.169	4.392	-5.3	105	0.00
23	T	trans-1,2-Dichloroethene	1.727	1.808	-4.7	104	0.00
24	T	1,1-Dichloroethane	1.848	1.891	-2.3	107	0.00
25	T	Methyl tert-Butyl Ether	2.746	2.926	-6.6	108	0.00
26	T	Vinyl Acetate	0.192	0.209	-8.9	93	0.00
27	T	2-Butanone	0.691	0.735	-6.4	105	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.598	-1.8	104	0.00
29	T	Diisopropyl Ether	0.824	0.865	-5.0	103	0.00
30	T	Ethyl Acetate	0.400	0.446	-11.5	107	0.00
31	T	n-Hexane	2.123	2.192	-3.3	101	0.00
32	T	Chloroform	1.515	1.510	0.3	106	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.242	-0.9	98	0.00
34	T	Tetrahydrofuran	0.661	0.745	-12.7	107	0.00
35	T	Ethyl tert-Butyl Ether	1.196	1.268	-6.0	103	0.00
36	T	1,2-Dichloroethane	1.473	1.540	-4.5	103	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	96	0.00
38	T	1,1,1-Trichloroethane	0.389	0.401	-3.1	102	0.00
39	T	Isopropyl Acetate	0.174	0.188	-8.0	103	0.00
40	T	1-Butanol	0.244	0.305	-25.0	106	0.00
41	T	Benzene	0.978	0.956	2.2	103	0.00
42	T	Carbon Tetrachloride	0.386	0.409	-6.0	101	0.00
43	T	Cyclohexane	0.369	0.372	-0.8	102	0.00
44	T	tert-Amyl Methyl Ether	0.623	0.655	-5.1	103	0.00
45	T	1,2-Dichloropropane	0.278	0.280	-0.7	102	0.00
46	T	Bromodichloromethane	0.279	0.300	-7.5	102	0.00
47	T	Trichloroethene	0.318	0.315	0.9	102	0.00
48	T	1,4-Dioxane	0.169	0.186	-10.1	102	0.00
49	T	Isooctane	1.267	1.311	-3.5	102	0.00
50	T	Methyl Methacrylate	0.102	0.115	-12.7	100	0.00
51	T	n-Heptane	0.240	0.249	-3.8	102	0.00

DH 10/2

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EM 10/11/7

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010701.D
Acq On : 1 Oct 2007 8:08 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 01 08:37:05 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.338	0.364	-7.7	103	0.00
53	T	4-Methyl-2-pentanone	0.262	0.284	-8.4	101	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.338	-10.5	102	0.00
55	T	1,1,2-Trichloroethane	0.243	0.250	-2.9	101	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	93	0.00
57	S	Toluene-d8 (SS2)	2.489	2.522	-1.3	95	0.00
58	T	Toluene	2.759	2.790	-1.1	101	0.00
59	T	2-Hexanone	1.694	1.926	-13.7	98	0.00
60	T	Dibromochloromethane	0.764	0.910	-19.1	101	0.00
61	T	1,2-Dibromoethane	0.722	0.818	-13.3	102	0.00
62	T	Butyl Acetate	1.658	1.882	-13.5	95	0.00
63	T	n-Octane	0.663	0.722	-8.9	101	0.00
64	T	Tetrachloroethene	0.774	0.825	-6.6	101	0.00
65	T	Chlorobenzene	1.972	2.012	-2.0	101	0.00
66	T	Ethylbenzene	2.953	3.089	-4.6	101	0.00
67	T	m- & p-Xylene	1.931	2.007	-3.9	101	0.00
68	T	Bromoform	0.448	0.548	-22.3	101	0.00
69	T	Styrene	1.821	2.093	-14.9	101	0.00
70	T	o-Xylene	2.049	2.148	-4.8	100	0.00
71	T	n-Nonane	1.495	1.641	-9.8	99	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	0.941	-13.5	102	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.885	-2.7	94	0.00
74	T	Cumene	3.030	3.181	-5.0	100	0.00
75	T	alpha-Pinene	1.397	1.553	-11.2	101	0.00
76	T	n-Propylbenzene	3.446	3.694	-7.2	101	0.00
77	T	3-Ethyltoluene	3.117	3.447	-10.6	103	0.00
78	T	4-Ethyltoluene	2.966	3.125	-5.4	98	0.00
79	T	1,3,5-Trimethylbenzene	2.597	2.782	-7.1	100	0.00
80	T	alpha-Methylstyrene	1.387	1.703	-22.8	101	0.00
81	T	2-Ethyltoluene	3.161	3.420	-8.2	100	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.594	-7.3	100	0.00
83	T	n-Decane	1.567	1.756	-12.1	99	0.00
84	T	Benzyl Chloride	1.765	2.264	-28.3	99	0.00
85	T	1,3-Dichlorobenzene	1.656	1.870	-12.9	101	0.00
86	T	1,4-Dichlorobenzene	1.652	1.836	-11.1	102	0.00
87	T	sec-Butylbenzene	3.318	3.645	-9.9	100	0.00
88	T	p-Isopropyltoluene	2.879	3.221	-11.9	101	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.638	-10.1	101	0.00
90	T	1,2-Dichlorobenzene	1.553	1.745	-12.4	102	0.00
91	T	d-Limonene	0.778	0.896	-15.2	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.616	-28.9	109	0.00
93	T	n-Undecane	1.580	1.777	-12.5	102	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.323	-33.5#	117	0.00
95	T	Naphthalene	3.479	4.638	-33.3#	122	0.00
96	T	n-Dodecane	1.406	1.717	-22.1	106	0.00
97	T	Hexachloro-1,3-butadiene	0.402	0.484	-20.4	113	0.00

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

EM 10/1/7 DA 10/2/07 **131**

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010704.D
Acq On : 1 Oct 2007 10:10
Operator : WA/EM
Sample : 1ng CRQL STD
Misc : S20-09260712/S20-09260711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 01 11:04:03 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	90	-0.02
2	T	Propene	1.449	1.669	-15.2	97	0.02
3	T	Dichlorodifluoromethane	2.218	2.589	-16.7	96	0.02
4	T	Chloromethane	2.237	2.579	-15.3	95	0.02
5	T	Freon 114	1.038	1.216	-17.1	97	0.01
6	T	Vinyl Chloride	1.163	1.364	-17.3	95	0.01
7	T	1,3-Butadiene	0.866	1.068	-23.3	100	0.01
8	T	Bromomethane	1.037	1.248	-20.3	100	0.02
9	T	Chloroethane	0.935	1.090	-16.6	96	0.02
10	T	Ethanol	0.909	1.153	-26.8	114	0.00
11	T	Acetonitrile	2.363	2.971	-25.7	111	0.00
12	T	Acrolein	0.721	0.844	-17.1	105	0.01
13	T	Acetone	1.019	1.752	-71.9#	124	0.00
14	T	Trichlorofluoromethane	1.731	1.994	-15.2	101	0.00
15	T	Isopropanol	3.202	3.901	-21.8	98	-0.02
16	T	Acrylonitrile	1.745	1.960	-12.3	105	0.00
17	T	1,1-Dichloroethene	1.076	1.254	-16.5	99	0.00
18	T	tert-Butanol	2.587	3.021	-16.8	93	-0.02
19	T	Methylene Chloride	1.185	1.303	-10.0	96	0.00
20	T	Allyl Chloride	1.685	1.899	-12.7	98	0.00
21	T	Trichlorotrifluoroethane	1.125	1.243	-10.5	97	0.00
22	T	Carbon Disulfide	4.169	4.843	-16.2	96	0.01
23	T	trans-1,2-Dichloroethene	1.727	2.014	-16.6	98	-0.01
24	T	1,1-Dichloroethane	1.848	2.233	-20.8	99	-0.02
25	T	Methyl tert-Butyl Ether	2.746	3.154	-14.9	97	0.00
26	T	Vinyl Acetate	0.192	0.137	28.6	87	0.00
27	T	2-Butanone	0.691	0.828	-19.8	103	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.813	-15.5	98	-0.02
29	T	Diisopropyl Ether	0.824	1.025	-24.4	99	0.00
30	T	Ethyl Acetate	0.400	0.490	-22.5	99	0.00
31	T	n-Hexane	2.123	2.462	-16.0	96	0.00
32	T	Chloroform	1.515	1.811	-19.5	97	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.287	-4.5	89	-0.02
34	T	Tetrahydrofuran	0.661	0.784	-18.6	98	0.00
35	T	Ethyl tert-Butyl Ether	1.196	1.350	-12.9	98	-0.01
36	T	1,2-Dichloroethane	1.473	1.667	-13.2	97	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	91	-0.02
38	T	1,1,1-Trichloroethane	0.389	0.423	-8.7	98	-0.01
39	T	Isopropyl Acetate	0.174	0.178	-2.3	91	0.00
40	T	1-Butanol	0.244	0.307	-25.8	141	0.06
41	T	Benzene	0.978	1.090	-11.5	97	-0.01
42	T	Carbon Tetrachloride	0.386	0.409	-6.0	98	-0.02
43	T	Cyclohexane	0.369	0.434	-17.6	97	-0.01
44	T	tert-Amyl Methyl Ether	0.623	0.684	-9.8	98	0.00
45	T	1,2-Dichloropropane	0.278	0.306	-10.1	96	0.00
46	T	Bromodichloromethane	0.279	0.322	-15.4	100	-0.01
47	T	Trichloroethene	0.318	0.361	-13.5	95	0.00

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010704.D
Acq On : 1 Oct 2007 10:10
Operator : WA/EM
Sample : 1ng CRQL STD
Misc : S20-09260712/S20-09260711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 01 11:04:03 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,4-Dioxane	0.169	0.215	-27.2	99	0.00
49	T	Isooctane	1.267	1.519	-19.9	97	-0.01
50	T	Methyl Methacrylate	0.102	0.099	2.9	92	0.00
51	T	n-Heptane	0.240	0.290	-20.8	98	0.00
52	T	cis-1,3-Dichloropropene	0.338	0.392	-16.0	100	0.00
53	T	4-Methyl-2-pentanone	0.262	0.286	-9.2	96	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.321	-4.9	103	0.00
55	T	1,1,2-Trichloroethane	0.243	0.275	-13.2	96	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	90	0.00
57	S	Toluene-d8 (SS2)	2.489	2.471	0.7	91	0.00
58	T	Toluene	2.759	3.247	-17.7	98	-0.01
59	T	2-Hexanone	1.694	1.935	-14.2	99	0.00
60	T	Dibromochloromethane	0.764	0.841	-10.1	99	0.00
61	T	1,2-Dibromoethane	0.722	0.823	-14.0	97	0.00
62	T	Butyl Acetate	1.658	1.828	-10.3	97	0.00
63	T	n-Octane	0.663	0.770	-16.1	97	0.00
64	T	Tetrachloroethene	0.774	0.920	-18.9	102	0.00
65	T	Chlorobenzene	1.972	2.290	-16.1	97	0.00
66	T	Ethylbenzene	2.953	3.539	-19.8	99	0.00
67	T	m- & p-Xylene	1.931	2.289	-18.5	98	0.00
68	T	Bromoform	0.448	0.436	2.7	101	0.00
69	T	Styrene	1.821	2.064	-13.3	98	0.00
70	T	o-Xylene	2.049	2.451	-19.6	99	0.00
71	T	n-Nonane	1.495	1.763	-17.9	98	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	1.008	-21.6	95	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.844	2.1	91	0.00
74	T	Cumene	3.030	3.537	-16.7	98	0.00
75	T	alpha-Pinene	1.397	1.579	-13.0	95	0.00
76	T	n-Propylbenzene	3.446	4.094	-18.8	98	0.00
77	T	3-Ethyltoluene	3.117	3.660	-17.4	100	0.00
78	T	4-Ethyltoluene	2.966	3.467	-16.9	100	0.00
79	T	1,3,5-Trimethylbenzene	2.597	3.029	-16.6	99	0.00
80	T	alpha-Methylstyrene	1.387	1.369	1.3	87	0.00
81	T	2-Ethyltoluene	3.161	3.709	-17.3	100	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.991	-23.7	100	0.00
83	T	n-Decane	1.567	1.835	-17.1	96	0.00
84	T	Benzyl Chloride	1.765	1.862	-5.5	97	0.00
85	T	1,3-Dichlorobenzene	1.656	1.910	-15.3	100	0.00
86	T	1,4-Dichlorobenzene	1.652	1.912	-15.7	100	0.00
87	T	sec-Butylbenzene	3.318	4.011	-20.9	100	0.00
88	T	p-Isopropyltoluene	2.879	3.446	-19.7	98	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.900	-21.1	98	0.00
90	T	1,2-Dichlorobenzene	1.553	1.794	-15.5	99	0.00
91	T	d-Limonene	0.778	0.828	-6.4	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.490	-2.5	103	0.00
93	T	n-Undecane	1.580	1.914	-21.1	100	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.323	-33.5#	110	0.00

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010704.D
Acq On : 1 Oct 2007 10:10
Operator : WA/EM
Sample : 1ng CRQL STD
Misc : S20-09260712/S20-09260711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 01 11:04:03 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 T	Naphthalene	3.479	4.156	-19.5	106	0.00
96 T	n-Dodecane	1.406	1.689	-20.1	103	0.00
97 T	Hexachloro-1,3-butadiene	0.402	0.491	-22.1	108	0.00

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

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010718.D
Acq On : 1 Oct 2007 7:16 pm
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:16:02 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	91	0.00
2	T	Propene	1.449	1.312	9.5	95	0.00
3	T	Dichlorodifluoromethane	2.218	2.048	7.7	96	0.00
4	T	Chloromethane	2.237	2.147	4.0	94	0.00
5	T	Freon 114	1.038	0.962	7.3	95	0.00
6	T	Vinyl Chloride	1.163	1.110	4.6	94	0.00
7	T	1,3-Butadiene	0.866	0.934	-7.9	98	0.00
8	T	Bromomethane	1.037	1.044	-0.7	97	0.00
9	T	Chloroethane	0.935	0.919	1.7	95	0.00
10	T	Ethanol	0.909	0.963	-5.9	95	0.00
11	T	Acetonitrile	2.363	2.388	-1.1	94	0.00
12	T	Acrolein	0.721	0.755	-4.7	94	0.00
13	T	Acetone	1.019	0.995	2.4	98	0.00
14	T	Trichlorofluoromethane	1.731	1.733	-0.1	97	0.00
15	T	Isopropanol	3.202	3.460	-8.1	93	0.00
16	T	Acrylonitrile	1.745	1.889	-8.3	96	0.00
17	T	1,1-Dichloroethene	1.076	1.079	-0.3	97	0.00
18	T	tert-Butanol	2.587	2.598	-0.4	94	0.00
19	T	Methylene Chloride	1.185	1.101	7.1	96	0.00
20	T	Allyl Chloride	1.685	1.887	-12.0	96	0.00
21	T	Trichlorotrifluoroethane	1.125	1.140	-1.3	96	0.00
22	T	Carbon Disulfide	4.169	4.287	-2.8	97	0.00
23	T	trans-1,2-Dichloroethene	1.727	1.756	-1.7	96	0.00
24	T	1,1-Dichloroethane	1.848	1.820	1.5	98	0.00
25	T	Methyl tert-Butyl Ether	2.746	2.778	-1.2	97	0.00
26	T	Vinyl Acetate	0.192	0.187	2.6	79	0.00
27	T	2-Butanone	0.691	0.719	-4.1	98	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.555	1.0	96	0.00
29	T	Diisopropyl Ether	0.824	0.859	-4.2	97	0.00
30	T	Ethyl Acetate	0.400	0.433	-8.2	98	0.00
31	T	n-Hexane	2.123	2.221	-4.6	97	0.00
32	T	Chloroform	1.515	1.453	4.1	97	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.199	2.6	90	0.00
34	T	Tetrahydrofuran	0.661	0.716	-8.3	98	0.00
35	T	Ethyl tert-Butyl Ether	1.196	1.248	-4.3	97	0.00
36	T	1,2-Dichloroethane	1.473	1.515	-2.9	96	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	92	0.00
38	T	1,1,1-Trichloroethane	0.389	0.396	-1.8	96	0.00
39	T	Isopropyl Acetate	0.174	0.184	-5.7	97	0.00
40	T	1-Butanol	0.244	0.297	-21.7	99	0.00
41	T	Benzene	0.978	0.949	3.0	98	0.00
42	T	Carbon Tetrachloride	0.386	0.411	-6.5	97	0.00
43	T	Cyclohexane	0.369	0.375	-1.6	98	0.00
44	T	tert-Amyl Methyl Ether	0.623	0.652	-4.7	98	0.00
45	T	1,2-Dichloropropane	0.278	0.279	-0.4	97	0.00
46	T	Bromodichloromethane	0.279	0.299	-7.2	97	0.00
47	T	Trichloroethene	0.318	0.319	-0.3	98	0.00
48	T	1,4-Dioxane	0.169	0.188	-11.2	99	0.00
49	T	Isooctane	1.267	1.321	-4.3	98	0.00
50	T	Methyl Methacrylate	0.102	0.117	-14.7	98	0.00
51	T	n-Heptane	0.240	0.250	-4.2	98	0.00

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BM 10/2/7

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\01\
Data File : 10010718.D
Acq On : 1 Oct 2007 7:16 pm
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:16:02 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.338	0.361	-6.8	98	0.00
53	T	4-Methyl-2-pentanone	0.262	0.286	-9.2	97	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.339	-10.8	97	0.00
55	T	1,1,2-Trichloroethane	0.243	0.253	-4.1	98	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	90	0.00
57	S	Toluene-d8 (SS2)	2.489	2.495	-0.2	91	0.00
58	T	Toluene	2.759	2.790	-1.1	98	0.00
59	T	2-Hexanone	1.694	1.925	-13.6	95	0.00
60	T	Dibromochloromethane	0.764	0.901	-17.9	97	0.00
61	T	1,2-Dibromoethane	0.722	0.806	-11.6	97	0.00
62	T	Butyl Acetate	1.658	1.865	-12.5	91	0.00
63	T	n-Octane	0.663	0.720	-8.6	98	0.00
64	T	Tetrachloroethene	0.774	0.816	-5.4	97	0.00
65	T	Chlorobenzene	1.972	2.006	-1.7	98	0.00
66	T	Ethylbenzene	2.953	3.078	-4.2	98	0.00
67	T	m- & p-Xylene	1.931	2.007	-3.9	98	0.00
68	T	Bromoform	0.448	0.550	-22.8	98	0.00
69	T	Styrene	1.821	2.099	-15.3	98	0.00
70	T	o-Xylene	2.049	2.164	-5.6	98	0.00
71	T	n-Nonane	1.495	1.639	-9.6	96	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	0.942	-13.6	99	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.877	-1.7	90	0.00
74	T	Cumene	3.030	3.195	-5.4	98	0.00
75	T	alpha-Pinene	1.397	1.547	-10.7	97	0.00
76	T	n-Propylbenzene	3.446	3.696	-7.3	98	0.00
77	T	3-Ethyltoluene	3.117	3.378	-8.4	97	0.00
78	T	4-Ethyltoluene	2.966	3.246	-9.4	99	0.00
79	T	1,3,5-Trimethylbenzene	2.597	2.820	-8.6	98	0.00
80	T	alpha-Methylstyrene	1.387	1.715	-23.6	98	0.00
81	T	2-Ethyltoluene	3.161	3.450	-9.1	98	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.628	-8.7	98	0.00
83	T	n-Decane	1.567	1.778	-13.5	98	0.00
84	T	Benzyl Chloride	1.765	2.324	-31.7#	98	0.00
85	T	1,3-Dichlorobenzene	1.656	1.884	-13.8	99	0.00
86	T	1,4-Dichlorobenzene	1.652	1.858	-12.5	100	0.00
87	T	sec-Butylbenzene	3.318	3.693	-11.3	98	0.00
88	T	p-Isopropyltoluene	2.879	3.240	-12.5	98	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.661	-11.1	98	0.00
90	T	1,2-Dichlorobenzene	1.553	1.751	-12.7	99	0.00
91	T	d-Limonene	0.778	0.905	-16.3	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.604	-26.4	104	0.00
93	T	n-Undecane	1.580	1.773	-12.2	98	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.313	-29.3	110	0.00
95	T	Naphthalene	3.479	4.604	-32.3#	117	0.00
96	T	n-Dodecane	1.406	1.707	-21.4	103	0.00
97	T	Hexachloro-1,3-butadiene	0.402	0.475	-18.2	107	0.00

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

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Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 8:02 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:31:26 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	102	0.00
2	T	Propene	1.449	1.324	8.6	108	0.00
3	T	Dichlorodifluoromethane	2.218	2.052	7.5	108	0.00
4	T	Chloromethane	2.237	2.188	2.2	108	0.00
5	T	Freon 114	1.038	0.996	4.0	110	0.00
6	T	Vinyl Chloride	1.163	1.275	-9.6	121	0.00
7	T	1,3-Butadiene	0.866	1.060	-22.4	125	0.00
8	T	Bromomethane	1.037	0.789	23.9	82	0.00
9	T	Chloroethane	0.935	0.948	-1.4	110	0.00
10	T	Ethanol	0.909	0.995	-9.5	111	0.00
11	T	Acetonitrile	2.363	2.421	-2.5	107	0.00
12	T	Acrolein	0.721	0.790	-9.6	110	0.00
13	T	Acetone	1.019	1.019	0.0	113	0.00
14	T	Trichlorofluoromethane	1.731	1.788	-3.3	113	0.00
15	T	Isopropanol	3.202	3.486	-8.9	105	0.00
16	T	Acrylonitrile	1.745	1.878	-7.6	107	0.00
17	T	1,1-Dichloroethene	1.076	1.102	-2.4	111	0.00
18	T	tert-Butanol	2.587	2.895	-11.9	118	0.00
19	T	Methylene Chloride	1.185	1.118	5.7	109	0.00
20	T	Allyl Chloride	1.685	1.909	-13.3	109	0.00
21	T	Trichlorotrifluoroethane	1.125	1.142	-1.5	108	0.00
22	T	Carbon Disulfide	4.169	4.304	-3.2	110	0.00
23	T	trans-1,2-Dichloroethene	1.727	1.768	-2.4	109	0.00
24	T	1,1-Dichloroethane	1.848	1.866	-1.0	112	0.00
25	T	Methyl tert-Butyl Ether	2.746	2.878	-4.8	113	0.00
26	T	Vinyl Acetate	0.192	0.200	-4.2	95	0.00
27	T	2-Butanone	0.691	0.724	-4.8	110	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.574	-0.3	109	0.00
29	T	Diisopropyl Ether	0.824	0.864	-4.9	110	0.00
30	T	Ethyl Acetate	0.400	0.429	-7.2	110	0.00
31	T	n-Hexane	2.123	2.159	-1.7	106	0.00
32	T	Chloroform	1.515	1.469	3.0	110	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.203	2.3	102	0.00
34	T	Tetrahydrofuran	0.661	0.724	-9.5	111	0.00
35	T	Ethyl tert-Butyl Ether	1.196	1.250	-4.5	109	0.00
36	T	1,2-Dichloroethane	1.473	1.487	-1.0	106	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	102	0.00
38	T	1,1,1-Trichloroethane	0.389	0.393	-1.0	106	0.00
39	T	Isopropyl Acetate	0.174	0.186	-6.9	108	0.00
40	T	1-Butanol	0.244	0.303	-24.2	111	0.00
41	T	Benzene	0.978	0.956	2.2	109	0.00
42	T	Carbon Tetrachloride	0.386	0.402	-4.1	105	0.00
43	T	Cyclohexane	0.369	0.374	-1.4	108	0.00
44	T	tert-Amyl Methyl Ether	0.623	0.654	-5.0	108	0.00
45	T	1,2-Dichloropropane	0.278	0.276	0.7	107	0.00
46	T	Bromodichloromethane	0.279	0.295	-5.7	106	0.00
47	T	Trichloroethene	0.318	0.313	1.6	106	0.00
48	T	1,4-Dioxane	0.169	0.186	-10.1	108	0.00
49	T	Isooctane	1.267	1.288	-1.7	106	0.00
50	T	Methyl Methacrylate	0.102	0.116	-13.7	106	0.00
51	T	n-Heptane	0.240	0.248	-3.3	107	0.00

JGH 10/3/07

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EM 10/3/7

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 8:02 am
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:31:26 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.338	0.359	-6.2	107	0.00
53	T	4-Methyl-2-pentanone	0.262	0.278	-6.1	104	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.334	-9.2	106	0.00
55	T	1,1,2-Trichloroethane	0.243	0.248	-2.1	106	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	99	0.00
57	S	Toluene-d8 (SS2)	2.489	2.514	-1.0	101	0.00
58	T	Toluene	2.759	2.755	0.1	106	0.00
59	T	2-Hexanone	1.694	1.859	-9.7	101	0.00
60	T	Dibromochloromethane	0.764	0.891	-16.6	105	0.00
61	T	1,2-Dibromoethane	0.722	0.797	-10.4	105	0.00
62	T	Butyl Acetate	1.658	1.796	-8.3	96	0.00
63	T	n-Octane	0.663	0.707	-6.6	105	0.00
64	T	Tetrachloroethene	0.774	0.803	-3.7	105	0.00
65	T	Chlorobenzene	1.972	1.978	-0.3	106	0.00
66	T	Ethylbenzene	2.953	3.051	-3.3	106	0.00
67	T	m- & p-Xylene	1.931	1.976	-2.3	106	0.00
68	T	Bromoform	0.448	0.539	-20.3	105	0.00
69	T	Styrene	1.821	2.063	-13.3	106	0.00
70	T	o-Xylene	2.049	2.113	-3.1	105	0.00
71	T	n-Nonane	1.495	1.574	-5.3	101	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	0.934	-12.7	108	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.888	-3.0	100	0.00
74	T	Cumene	3.030	3.131	-3.3	105	0.00
75	T	alpha-Pinene	1.397	1.531	-9.6	106	0.00
76	T	n-Propylbenzene	3.446	3.639	-5.6	106	0.00
77	T	3-Ethyltoluene	3.117	3.389	-8.7	107	0.00
78	T	4-Ethyltoluene	2.966	3.098	-4.5	103	0.00
79	T	1,3,5-Trimethylbenzene	2.597	2.730	-5.1	105	0.00
80	T	alpha-Methylstyrene	1.387	1.679	-21.1	105	0.00
81	T	2-Ethyltoluene	3.161	3.352	-6.0	104	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.532	-4.7	104	0.00
83	T	n-Decane	1.567	1.710	-9.1	103	0.00
84	T	Benzyl Chloride	1.765	2.283	-29.3	106	0.00
85	T	1,3-Dichlorobenzene	1.656	1.832	-10.6	106	0.00
86	T	1,4-Dichlorobenzene	1.652	1.799	-8.9	106	0.00
87	T	sec-Butylbenzene	3.318	3.581	-7.9	104	0.00
88	T	p-Isopropyltoluene	2.879	3.149	-9.4	105	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.582	-7.8	105	0.00
90	T	1,2-Dichlorobenzene	1.553	1.715	-10.4	107	0.00
91	T	d-Limonene	0.778	0.884	-13.6	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.604	-26.4	114	0.00
93	T	n-Undecane	1.580	1.724	-9.1	105	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.310	-28.1	120	0.00
95	T	Naphthalene	3.479	4.510	-29.6	126	0.00
96	T	n-Dodecane	1.406	1.692	-20.3	111	0.00
97	T	Hexachloro-1,3-butadiene	0.402	0.468	-16.4	116	0.00

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

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Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020707.D
Acq On : 2 Oct 2007 12:10 pm
Operator : WA/EM
Sample : 1ng TO-15 CRQL
Misc : S20-09260712/S20-09260711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 06:54:43 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	92	-0.02
2	T	Propene	1.449	1.705	-17.7	101	0.02
3	T	Dichlorodifluoromethane	2.218	2.549	-14.9	97	0.02
4	T	Chloromethane	2.237	2.538	-13.5	96	0.02
5	T	Freon 114	1.038	1.204	-16.0	98	0.02
6	T	Vinyl Chloride	1.163	1.353	-16.3	96	0.02
7	T	1,3-Butadiene	0.866	1.085	-25.3	104	0.02
8	T	Bromomethane	1.037	1.244	-20.0	102	0.02
9	T	Chloroethane	0.935	1.055	-12.8	95	0.02
10	T	Ethanol	0.909	1.149	-26.4	116	0.00
11	T	Acetonitrile	2.363	2.808	-18.8	107	0.02
12	T	Acrolein	0.721	0.818	-13.5	104	0.02
13	T	Acetone	1.019	1.729	-69.7#	125	0.00
14	T	Trichlorofluoromethane	1.731	1.976	-14.2	102	0.01
15	T	Isopropanol	3.202	3.810	-19.0	97	-0.02
16	T	Acrylonitrile	1.745	1.880	-7.7	103	0.00
17	T	1,1-Dichloroethene	1.076	1.246	-15.8	101	0.01
18	T	tert-Butanol	2.587	3.062	-18.4	96	-0.01
19	T	Methylene Chloride	1.185	1.313	-10.8	99	0.00
20	T	Allyl Chloride	1.685	1.862	-10.5	99	0.00
21	T	Trichlorotrifluoroethane	1.125	1.253	-11.4	100	0.00
22	T	Carbon Disulfide	4.169	4.818	-15.6	97	0.02
23	T	trans-1,2-Dichloroethene	1.727	1.938	-12.2	97	0.00
24	T	1,1-Dichloroethane	1.848	2.165	-17.2	98	-0.01
25	T	Methyl tert-Butyl Ether	2.746	3.192	-16.2	100	0.00
26	T	Vinyl Acetate	0.192	0.151	21.4	99	0.00
27	T	2-Butanone	0.691	0.844	-22.1	107	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.798	-14.5	99	-0.01
29	T	Diisopropyl Ether	0.824	1.011	-22.7	100	0.00
30	T	Ethyl Acetate	0.400	0.479	-19.7	99	0.00
31	T	n-Hexane	2.123	2.446	-15.2	98	0.00
32	T	Chloroform	1.515	1.764	-16.4	97	-0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.281	-4.1	90	-0.01
34	T	Tetrahydrofuran	0.661	0.777	-17.5	99	0.02
35	T	Ethyl tert-Butyl Ether	1.196	1.347	-12.6	100	0.00
36	T	1,2-Dichloroethane	1.473	1.623	-10.2	97	-0.01
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	93	-0.01
38	T	1,1,1-Trichloroethane	0.389	0.417	-7.2	99	0.00
39	T	Isopropyl Acetate	0.174	0.182	-4.6	96	0.00
40	T	1-Butanol	0.244	0.285	-16.8	134	0.06
41	T	Benzene	0.978	1.080	-10.4	98	0.00
42	T	Carbon Tetrachloride	0.386	0.399	-3.4	98	-0.01
43	T	Cyclohexane	0.369	0.425	-15.2	97	0.00
44	T	tert-Amyl Methyl Ether	0.623	0.691	-10.9	101	0.00
45	T	1,2-Dichloropropane	0.278	0.303	-9.0	98	-0.01
46	T	Bromodichloromethane	0.279	0.317	-13.6	101	0.00
47	T	Trichloroethene	0.318	0.358	-12.6	97	0.00
48	T	1,4-Dioxane	0.169	0.205	-21.3	97	0.01
49	T	Isooctane	1.267	1.471	-16.1	96	0.00
50	T	Methyl Methacrylate	0.102	0.100	2.0	94	0.01
51	T	n-Heptane	0.240	0.283	-17.9	97	0.00

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Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020707.D
Acq On : 2 Oct 2007 12:10 pm
Operator : WA/EM
Sample : 1ng TO-15 CRQL
Misc : S20-09260712/S20-09260711
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 06:54:43 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.338	0.385	-13.9	100	0.00
53	T	4-Methyl-2-pentanone	0.262	0.292	-11.5	100	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.313	-2.3	103	0.00
55	T	1,1,2-Trichloroethane	0.243	0.267	-9.9	96	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	92	0.00
57	S	Toluene-d8 (SS2)	2.489	2.472	0.7	93	0.00
58	T	Toluene	2.759	3.191	-15.7	98	0.00
59	T	2-Hexanone	1.694	1.864	-10.0	98	0.00
60	T	Dibromochloromethane	0.764	0.805	-5.4	97	0.00
61	T	1,2-Dibromoethane	0.722	0.814	-12.7	98	0.00
62	T	Butyl Acetate	1.658	1.801	-8.6	98	0.00
63	T	n-Octane	0.663	0.769	-16.0	99	0.00
64	T	Tetrachloroethene	0.774	0.858	-10.9	97	0.00
65	T	Chlorobenzene	1.972	2.251	-14.1	98	0.00
66	T	Ethylbenzene	2.953	3.439	-16.5	99	0.00
67	T	m- & p-Xylene	1.931	2.272	-17.7	99	-0.01
68	T	Bromoform	0.448	0.421	6.0	99	0.00
69	T	Styrene	1.821	2.001	-9.9	97	0.00
70	T	o-Xylene	2.049	2.420	-18.1	100	0.00
71	T	n-Nonane	1.495	1.718	-14.9	97	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	0.973	-17.4	94	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.832	3.5	91	0.00
74	T	Cumene	3.030	3.483	-15.0	99	0.00
75	T	alpha-Pinene	1.397	1.540	-10.2	95	0.00
76	T	n-Propylbenzene	3.446	4.027	-16.9	98	0.00
77	T	3-Ethyltoluene	3.117	3.527	-13.2	98	0.00
78	T	4-Ethyltoluene	2.966	3.391	-14.3	99	0.00
79	T	1,3,5-Trimethylbenzene	2.597	2.953	-13.7	99	0.00
80	T	alpha-Methylstyrene	1.387	1.290	7.0	83	0.00
81	T	2-Ethyltoluene	3.161	3.567	-12.8	98	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.923	-20.9	99	0.00
83	T	n-Decane	1.567	1.792	-14.4	96	0.00
84	T	Benzyl Chloride	1.765	1.913	-8.4	102	0.00
85	T	1,3-Dichlorobenzene	1.656	1.845	-11.4	98	0.00
86	T	1,4-Dichlorobenzene	1.652	1.866	-13.0	100	0.00
87	T	sec-Butylbenzene	3.318	3.861	-16.4	98	0.00
88	T	p-Isopropyltoluene	2.879	3.383	-17.5	98	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.812	-17.4	97	0.00
90	T	1,2-Dichlorobenzene	1.553	1.729	-11.3	98	0.00
91	T	d-Limonene	0.778	0.785	-0.9	84	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.457	4.4	98	0.00
93	T	n-Undecane	1.580	1.778	-12.5	95	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.289	-19.4	100	0.00
95	T	Naphthalene	3.479	3.836	-10.3	100	0.00
96	T	n-Dodecane	1.406	1.552	-10.4	97	0.00
97	T	Hexachloro-1,3-butadiene	0.402	0.446	-10.9	100	0.00

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

KOA 10/3/07

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Esm 10/3/7

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020717.D
Acq On : 2 Oct 2007 8:10 pm
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 07:04:44 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	94	0.00
2	T	Propene	1.449	1.278	11.8	96	0.00
3	T	Dichlorodifluoromethane	2.218	2.017	9.1	98	0.00
4	T	Chloromethane	2.237	2.080	7.0	95	0.00
5	T	Freon 114	1.038	0.955	8.0	97	0.00
6	T	Vinyl Chloride	1.163	1.073	7.7	94	0.00
7	T	1,3-Butadiene	0.866	0.923	-6.6	101	0.00
8	T	Bromomethane	1.037	1.040	-0.3	100	0.00
9	T	Chloroethane	0.935	0.910	2.7	97	0.00
10	T	Ethanol	0.909	0.955	-5.1	98	0.00
11	T	Acetonitrile	2.363	2.327	1.5	95	0.00
12	T	Acrolein	0.721	0.758	-5.1	98	0.00
13	T	Acetone	1.019	0.990	2.8	101	0.00
14	T	Trichlorofluoromethane	1.731	1.705	1.5	99	0.00
15	T	Isopropanol	3.202	3.365	-5.1	94	0.00
16	T	Acrylonitrile	1.745	1.846	-5.8	97	0.00
17	T	1,1-Dichloroethene	1.076	1.083	-0.7	101	0.00
18	T	tert-Butanol	2.587	2.551	1.4	96	0.00
19	T	Methylene Chloride	1.185	1.110	6.3	100	0.00
20	T	Allyl Chloride	1.685	1.855	-10.1	98	0.00
21	T	Trichlorotrifluoroethane	1.125	1.122	0.3	98	0.00
22	T	Carbon Disulfide	4.169	4.289	-2.9	101	0.00
23	T	trans-1,2-Dichloroethene	1.727	1.733	-0.3	99	0.00
24	T	1,1-Dichloroethane	1.848	1.817	1.7	101	0.00
25	T	Methyl tert-Butyl Ether	2.746	2.754	-0.3	100	0.00
26	T	Vinyl Acetate	0.192	0.172	10.4	75	0.00
27	T	2-Butanone	0.691	0.719	-4.1	101	0.00
28	T	cis-1,2-Dichloroethene	1.570	1.541	1.8	99	0.00
29	T	Diisopropyl Ether	0.824	0.860	-4.4	101	0.00
30	T	Ethyl Acetate	0.400	0.435	-8.7	103	0.00
31	T	n-Hexane	2.123	2.181	-2.7	99	0.00
32	T	Chloroform	1.515	1.434	5.3	99	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.231	1.169	5.0	91	0.00
34	T	Tetrahydrofuran	0.661	0.714	-8.0	101	0.00
35	T	Ethyl tert-Butyl Ether	1.196	1.239	-3.6	100	0.00
36	T	1,2-Dichloroethane	1.473	1.480	-0.5	97	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	95	0.00
38	T	1,1,1-Trichloroethane	0.389	0.396	-1.8	99	0.00
39	T	Isopropyl Acetate	0.174	0.185	-6.3	100	0.00
40	T	1-Butanol	0.244	0.295	-20.9	101	0.00
41	T	Benzene	0.978	0.957	2.1	101	0.00
42	T	Carbon Tetrachloride	0.386	0.403	-4.4	98	0.00
43	T	Cyclohexane	0.369	0.375	-1.6	101	0.00
44	T	tert-Amyl Methyl Ether	0.623	0.654	-5.0	101	0.00
45	T	1,2-Dichloropropane	0.278	0.277	0.4	100	0.00
46	T	Bromodichloromethane	0.279	0.297	-6.5	100	0.00
47	T	Trichloroethene	0.318	0.316	0.6	100	0.00
48	T	1,4-Dioxane	0.169	0.187	-10.7	101	0.00
49	T	Isooctane	1.267	1.304	-2.9	100	0.00
50	T	Methyl Methacrylate	0.102	0.117	-14.7	100	0.00
51	T	n-Heptane	0.240	0.251	-4.6	101	0.00

RH 10/3/07

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EM 10/3/7

Evaluate Continuing Calibration Report

Data Path : J:\MS09\Data\2007_10\02\
Data File : 10020717.D
Acq On : 2 Oct 2007 8:10 pm
Operator : WA/EM
Sample : 25ng TO-15 CCV STD
Misc : S20-09260712/S20-09250712
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 07:04:44 2007
Quant Method : J:\MS09\Methods\R9092507.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Wed Sep 26 15:35:45 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.338	0.361	-6.8	101	0.00
53	T	4-Methyl-2-pentanone	0.262	0.284	-8.4	99	0.00
54	T	trans-1,3-Dichloropropene	0.306	0.337	-10.1	100	0.00
55	T	1,1,2-Trichloroethane	0.243	0.252	-3.7	100	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	93	0.00
57	S	Toluene-d8 (SS2)	2.489	2.499	-0.4	94	0.00
58	T	Toluene	2.759	2.792	-1.2	101	0.00
59	T	2-Hexanone	1.694	1.883	-11.2	96	0.00
60	T	Dibromochloromethane	0.764	0.894	-17.0	99	0.00
61	T	1,2-Dibromoethane	0.722	0.803	-11.2	99	0.00
62	T	Butyl Acetate	1.658	1.807	-9.0	90	0.00
63	T	n-Octane	0.663	0.711	-7.2	99	0.00
64	T	Tetrachloroethene	0.774	0.807	-4.3	99	0.00
65	T	Chlorobenzene	1.972	1.997	-1.3	100	0.00
66	T	Ethylbenzene	2.953	3.089	-4.6	101	0.00
67	T	m- & p-Xylene	1.931	2.003	-3.7	100	0.00
68	T	Bromoform	0.448	0.542	-21.0	99	0.00
69	T	Styrene	1.821	2.100	-15.3	101	0.00
70	T	o-Xylene	2.049	2.156	-5.2	100	0.00
71	T	n-Nonane	1.495	1.602	-7.2	96	0.00
72	T	1,1,2,2-Tetrachloroethane	0.829	0.936	-12.9	101	0.00
73	S	Bromofluorobenzene (SS3)	0.862	0.871	-1.0	92	0.00
74	T	Cumene	3.030	3.190	-5.3	100	0.00
75	T	alpha-Pinene	1.397	1.539	-10.2	100	0.00
76	T	n-Propylbenzene	3.446	3.691	-7.1	100	0.00
77	T	3-Ethyltoluene	3.117	3.375	-8.3	100	0.00
78	T	4-Ethyltoluene	2.966	3.234	-9.0	101	0.00
79	T	1,3,5-Trimethylbenzene	2.597	2.805	-8.0	101	0.00
80	T	alpha-Methylstyrene	1.387	1.712	-23.4	101	0.00
81	T	2-Ethyltoluene	3.161	3.442	-8.9	100	0.00
82	T	1,2,4-Trimethylbenzene	2.418	2.600	-7.5	100	0.00
83	T	n-Decane	1.567	1.744	-11.3	98	0.00
84	T	Benzyl Chloride	1.765	2.308	-30.8#	100	0.00
85	T	1,3-Dichlorobenzene	1.656	1.857	-12.1	100	0.00
86	T	1,4-Dichlorobenzene	1.652	1.839	-11.3	101	0.00
87	T	sec-Butylbenzene	3.318	3.671	-10.6	100	0.00
88	T	p-Isopropyltoluene	2.879	3.215	-11.7	100	0.00
89	T	1,2,3-Trimethylbenzene	2.395	2.642	-10.3	100	0.00
90	T	1,2-Dichlorobenzene	1.553	1.738	-11.9	101	0.00
91	T	d-Limonene	0.778	0.905	-16.3	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.478	0.592	-23.8	105	0.00
93	T	n-Undecane	1.580	1.744	-10.4	99	0.00
94	T	1,2,4-Trichlorobenzene	0.242	0.303	-25.2	110	0.00
95	T	Naphthalene	3.479	4.445	-27.8	116	0.00
96	T	n-Dodecane	1.406	1.652	-17.5	102	0.00
97	T	Hexachloro-1,3-butadiene	0.402	0.458	-13.9	106	0.00

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

RM 10/3/07

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8m 10/3/7

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 7:29 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09250708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:17:37 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	145	0.00
2	T	Propene	3.298	2.426	26.4	109	-0.01
3	T	Dichlorodifluoromethane	4.197	3.532	15.8	127	0.00
4	T	Chloromethane	6.258	4.754	24.0	114	0.00
5	T	Freon 114	1.486	1.343	9.6	131	-0.01
6	T	Vinyl Chloride	4.462	3.667	17.8	118	-0.01
7	T	1,3-Butadiene	4.100	3.467	15.4	118	0.00
8	T	Bromomethane	1.503	1.398	7.0	139	0.00
9	T	Chloroethane	1.802	1.515	15.9	128	0.00
10	T	Ethanol	2.461	2.073	15.8	115	0.00
11	T	Acetonitrile	5.631	4.851	13.9	118	0.00
12	T	Acrolein	1.838	1.643	10.6	125	0.00
13	T	Acetone	2.373	1.997	15.8	129	0.00
14	T	Trichlorofluoromethane	3.067	2.726	11.1	139	0.00
15	T	Isopropanol	7.273	6.317	13.1	117	-0.01
16	T	Acrylonitrile	4.103	3.809	7.2	124	0.00
17	T	1,1-Dichloroethene	1.602	1.436	10.4	135	-0.01
18	T	tert-Butanol	6.380	5.716	10.4	123	-0.01
19	T	Methylene Chloride	1.722	1.485	13.8	133	0.00
20	T	Allyl Chloride	3.282	2.838	13.5	117	0.00
21	T	Trichlorotrifluoroethane	1.056	0.976	7.6	143	0.00
22	T	Carbon Disulfide	7.163	6.155	14.1	132	-0.01
23	T	trans-1,2-Dichloroethene	3.600	3.181	11.6	127	-0.01
24	T	1,1-Dichloroethane	4.263	3.505	17.8	127	0.00
25	T	Methyl tert-Butyl Ether	4.730	4.362	7.8	131	0.00
26	T	Vinyl Acetate	0.270	0.234	13.3	110	0.00
27	T	2-Butanone	1.111	0.983	11.5	129	0.00
28	T	cis-1,2-Dichloroethene	3.386	2.937	13.3	127	-0.01
29	T	Diisopropyl Ether	1.243	1.212	2.5	134	-0.01
30	T	Ethyl Acetate	0.906	0.787	13.1	124	0.00
31	T	n-Hexane	5.024	4.237	15.7	123	0.00
32	T	Chloroform	2.609	2.306	11.6	133	0.00
33	S	1,2-Dichloroethane-d4(SS1)	2.580	2.440	5.4	134	0.00
34	T	Tetrahydrofuran	1.023	0.978	4.4	128	0.00
35	T	Ethyl tert-Butyl Ether	1.816	1.738	4.3	134	0.00
36	T	1,2-Dichloroethane	3.242	2.763	14.8	126	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	139	0.00
38	T	1,1,1-Trichloroethane	0.557	0.512	8.1	136	-0.01
39	T	Isopropyl Acetate	0.313	0.302	3.5	125	0.00
40	T	1-Butanol	0.476	0.512	-7.6	120	-0.01
41	T	Benzene	1.406	1.222	13.1	129	0.00
42	T	Carbon Tetrachloride	0.448	0.423	5.6	134	-0.01
43	T	Cyclohexane	0.534	0.471	11.8	128	0.00
44	T	tert-Amyl Methyl Ether	0.930	0.886	4.7	130	0.00
45	T	1,2-Dichloropropane	0.521	0.458	12.1	124	0.00
46	T	Bromodichloromethane	0.472	0.436	7.6	132	0.00
47	T	Trichloroethene	0.294	0.271	7.8	135	0.00
48	T	1,4-Dioxane	0.227	0.235	-3.5	129	0.00
49	T	Isooctane	2.520	2.259	10.4	122	0.00
50	T	Methyl Methacrylate	0.117	0.113	3.4	130	-0.01
51	T	n-Heptane	0.350	0.317	9.4	124	0.00

DH 10/2/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020701.D
Acq On : 2 Oct 2007 7:29 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09250708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 02 08:17:37 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.565	0.537	5.0	127	0.00
53	T	4-Methyl-2-pentanone	0.530	0.507	4.3	119	0.00
54	T	trans-1,3-Dichloropropene	0.521	0.500	4.0	127	0.00
55	T	1,1,2-Trichloroethane	0.336	0.309	8.0	129	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	133	0.00
57	S	Toluene-d8 (SS2)	2.239	2.217	1.0	134	0.00
58	T	Toluene	2.513	2.287	9.0	127	0.00
59	T	2-Hexanone	2.465	2.189	11.2	108	0.00
60	T	Dibromochloromethane	0.596	0.573	3.9	130	0.00
61	T	1,2-Dibromoethane	0.622	0.594	4.5	128	0.00
62	T	Butyl Acetate	2.374	2.148	9.5	101	0.00
63	T	n-Octane	0.928	0.853	8.1	118	0.00
64	T	Tetrachloroethene	0.547	0.524	4.2	133	0.00
65	T	Chlorobenzene	1.483	1.360	8.3	127	0.00
66	T	Ethylbenzene	2.835	2.710	4.4	125	0.00
67	T	m- & p-Xylene	1.885	1.796	4.7	126	0.00
68	T	Bromoform	0.384	0.376	2.1	131	0.00
69	T	Styrene	1.454	1.478	-1.7	125	0.00
70	T	o-Xylene	2.004	1.937	3.3	123	0.00
71	T	n-Nonane	2.213	1.937	12.5	109	0.00
72	T	1,1,2,2-Tetrachloroethane	1.010	0.931	7.8	120	0.00
73	S	Bromofluorobenzene (SS3)	0.611	0.650	-6.4	139	0.00
74	T	Cumene	2.398	2.327	3.0	124	0.00
75	T	alpha-Pinene	1.322	1.371	-3.7	123	0.00
76	T	n-Propylbenzene	3.388	3.359	0.9	121	0.00
77	T	3-Ethyltoluene	2.503	2.489	0.6	120	0.00
78	T	4-Ethyltoluene	2.369	2.345	1.0	125	0.00
79	T	1,3,5-Trimethylbenzene	2.073	2.052	1.0	123	0.00
80	T	alpha-Methylstyrene	0.988	1.135	-14.9	121	0.00
81	T	2-Ethyltoluene	2.525	2.532	-0.3	121	0.00
82	T	1,2,4-Trimethylbenzene	2.063	2.104	-2.0	121	0.00
83	T	n-Decane	2.116	2.129	-0.6	114	0.00
84	T	Benzyl Chloride	1.996	2.185	-9.5	121	0.00
85	T	1,3-Dichlorobenzene	1.138	1.113	2.2	123	0.00
86	T	1,4-Dichlorobenzene	1.101	1.081	1.8	122	0.00
87	T	sec-Butylbenzene	2.717	2.788	-2.6	120	0.00
88	T	p-Isopropyltoluene	2.097	2.222	-6.0	121	0.00
89	T	1,2,3-Trimethylbenzene	2.039	2.114	-3.7	120	0.00
90	T	1,2-Dichlorobenzene	1.072	1.040	3.0	122	0.00
91	T	d-Limonene	0.885	0.994	-12.3	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.357	0.375	-5.0	121	0.00
93	T	n-Undecane	2.084	2.263	-8.6	113	0.00
94		1,2,4-Trichlorobenzene	0.721	0.805	-11.7	125	0.00
95	T	Naphthalene	2.262	2.816	-24.5	124	0.00
96	T	n-Dodecane	1.932	2.187	-13.2	119	0.00
97	T	Hexachloro-1,3-butadiene	0.457	0.476	-4.2	122	0.00

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

10/2/07

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Quantitation Report (QT Reviewed)

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020703.D
Acq On : 2 Oct 2007 9:12
Operator : WA
Sample : 1ng CRQL STD
Misc : S20-09270703/S20-09250710
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 18:06:42 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Oct 04 10:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane (IS1)	9.04	130	372449	25.000	ng		-0.03
37) 1,4-Difluorobenzene (IS2)	10.98	114	1738448	25.000	ng		-0.02
56) Chlorobenzene-d5 (IS3)	15.81	82	947583	25.000	ng		-0.01
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4(...	9.82	65	917071	23.856	ng		-0.02
Spiked Amount 25.000			Recovery	=	95.44%		
57) Toluene-d8 (SS2)	13.68	98	2111034	24.874	ng		-0.01
Spiked Amount 25.000			Recovery	=	99.48%		
73) Bromofluorobenzene (SS3)	17.59	174	585959	25.294	ng		-0.01
Spiked Amount 25.000			Recovery	=	101.16%		
Target Compounds							Qvalue
2) Propene	4.64	42	46925	0.955	ng		92
3) Dichlorodifluoromethane	4.72	85	63851	1.021	ng		99
4) Chloromethane	4.91	50	84179	0.903	ng		99
5) Freon 114	5.02	135	24812	1.121	ng		95
6) Vinyl Chloride	5.14	62	63939	0.962	ng		94
7) 1,3-Butadiene	5.27	54	64250	1.052	ng	#	81
8) Bromomethane	5.55	94	23986	1.071	ng		93
9) Chloroethane	5.70	64	26557	0.989	ng		93
10) Ethanol	5.81	45	32523m	0.887	ng		
11) Acetonitrile	6.02	41	74999	0.894	ng		98
12) Acrolein	6.13	56	23669	0.864	ng		98
13) Acetone	6.25	58	42366	1.199	ng		86
14) Trichlorofluoromethane	6.39	101	47053	1.030	ng		99
15) Isopropanol	6.43	45	109756m	1.013	ng		
16) Acrylonitrile	6.64	53	60622	0.992	ng		99
17) 1,1-Dichloroethene	6.95	96	26037	1.091	ng	#	55
18) tert-Butanol	6.96	59	92643m	0.975	ng		
19) Methylene Chloride	7.05	84	29009	1.131	ng	#	22
20) Allyl Chloride	7.15	41	45668	0.934	ng		77
21) Trichlorotrifluoroethane	7.26	151	18758	1.192	ng		99
22) Carbon Disulfide	7.40	76	108823	1.020	ng		99
23) trans-1,2-Dichloroethene	7.88	61	55392	1.033	ng		76
24) 1,1-Dichloroethane	8.08	63	69045	1.087	ng		91
25) Methyl tert-Butyl Ether	8.10	73	75823	1.076	ng		72
26) Vinyl Acetate	8.14	86	3555	0.885	ng	#	94
27) 2-Butanone	8.42	72	17765	1.073	ng	#	1
28) cis-1,2-Dichloroethene	8.86	61	52086	1.033	ng	#	74
29) Diisopropyl Ether	9.01	87	18444	0.996	ng	#	1
30) Ethyl Acetate	9.00	61	16529	1.224	ng	#	66
31) n-Hexane	9.05	57	78088	1.043	ng		88
32) Chloroform	9.15	83	48316	1.243	ng		98
34) Tetrahydrofuran	9.59	72	17399	1.142	ng	#	49
35) Ethyl tert-Butyl Ether	9.55	87	26924	0.995	ng	#	33
36) 1,2-Dichloroethane	9.92	62	50035	1.036	ng		97
38) 1,1,1-Trichloroethane	10.21	97	43714	1.128	ng		96
39) Isopropyl Acetate	10.44	61	21678	0.996	ng	#	82
40) 1-Butanol	10.45	56	21594	0.652	ng		98
41) Benzene	10.68	78	102675	1.050	ng		96
42) Carbon Tetrachloride	10.84	117	32993	1.060	ng		99

DH 10/4/07

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Quantitation Report (QT Reviewed)

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020703.D
Acq On : 2 Oct 2007 9:12
Operator : WA
Sample : 1ng CRQL STD
Misc : S20-09270703/S20-09250710
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 18:06:42 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Oct 04 10:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Cyclohexane	10.98	84	40985	1.103	ng	#	1
44) tert-Amyl Methyl Ether	11.24	73	62992	0.974	ng	#	76
45) 1,2-Dichloropropane	11.53	63	38885	1.073	ng		100
46) Bromodichloromethane	11.72	83	37232	1.135	ng		98
47) Trichloroethene	11.77	130	22373	1.096	ng		95
48) 1,4-Dioxane	11.73	88	18355	1.163	ng		94
49) Isooctane	11.81	57	176366	1.006	ng		86
50) Methyl Methacrylate	11.88	100	7011	0.865	ng	#	80
51) n-Heptane	12.03	71	27121	1.113	ng	#	50
52) cis-1,3-Dichloropropene	12.67	75	38608	0.982	ng		98
53) 4-Methyl-2-pentanone	12.68	58	36450	0.989	ng		77
54) trans-1,3-Dichloropropene	13.23	75	38815	1.071	ng		100
55) 1,1,2-Trichloroethane	13.46	97	25157	1.076	ng		97
58) Toluene	13.79	91	102940	1.081	ng		96
59) 2-Hexanone	14.00	43	86035	0.921	ng		96
60) Dibromochloromethane	14.27	129	24615	1.090	ng		98
61) 1,2-Dibromoethane	14.56	107	25353	1.075	ng		95
62) Butyl Acetate	14.69	43	82977	0.922	ng		90
63) n-Octane	14.84	57	34665	0.986	ng		85
64) Tetrachloroethene	15.08	166	22654	1.092	ng		100
65) Chlorobenzene	15.86	112	62237	1.107	ng		99
66) Ethylbenzene	16.28	91	110897	1.032	ng		93
67) m- & p-Xylene	16.50	91	178824	2.503	ng		92
68) Bromoform	16.61	173	17742	1.220	ng		98
69) Styrene	16.91	104	53403	0.969	ng		95
70) o-Xylene	17.06	91	91843	1.209	ng		94
71) n-Nonane	17.26	43	79115	0.943	ng		93
72) 1,1,2,2-Tetrachloroethane	17.02	83	44749	1.169	ng		99
74) Cumene	17.74	105	95297	1.048	ng		97
75) alpha-Pinene	18.22	93	46095	0.920	ng		100
76) n-Propylbenzene	18.34	91	133454	1.039	ng		96
77) 3-Ethyltoluene	18.46	105	93730	0.988	ng		100
78) 4-Ethyltoluene	18.51	105	99262	1.105	ng		99
79) 1,3,5-Trimethylbenzene	18.59	105	82221	1.047	ng		98
80) alpha-Methylstyrene	18.77	118	26505	0.708	ng		97
81) 2-Ethyltoluene	18.83	105	95011	0.993	ng		99
82) 1,2,4-Trimethylbenzene	19.09	105	84168	1.076	ng		99
83) n-Decane	19.17	57	83751	1.044	ng		75
84) Benzyl Chloride	19.25	91	78859	1.042	ng		96
85) 1,3-Dichlorobenzene	19.28	146	45447	1.053	ng		99
86) 1,4-Dichlorobenzene	19.36	146	44601	1.069	ng		99
87) sec-Butylbenzene	19.41	105	113412	1.101	ng		98
88) p-Isopropyltoluene	19.59	119	92476	1.163	ng		97
89) 1,2,3-Trimethylbenzene	19.59	105	83167	1.076	ng		99
90) 1,2-Dichlorobenzene	19.77	146	43010	1.059	ng		97
91) d-Limonene	19.76	68	23866	0.711	ng		90
92) 1,2-Dibromo-3-Chloropr...	20.28	157	12866	0.951	ng		88
93) n-Undecane	20.66	57	74849	0.947	ng		71
94) 1,2,4-Trichlorobenzene	21.79	180	27169	0.994	ng		96
95) Naphthalene	21.93	128	79245	0.924	ng		97
96) n-Dodecane	21.89	57	64250	0.877	ng	#	74
97) Hexachloro-1,3-butadiene	22.35	225	17150	0.991	ng		96

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Quantitation Report (QT Reviewed)

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020703.D
Acq On : 2 Oct 2007 9:12
Operator : WA
Sample : 1ng CRQL STD
Misc : S20-09270703/S20-09250710
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 18:06:42 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Thu Oct 04 10:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

RCH 10/4/07

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020719.D
Acq On : 2 Oct 2007 20:07
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S29-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 07:01:37 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	142	0.00
2	T	Propene	3.298	2.483	24.7	109	0.00
3	T	Dichlorodifluoromethane	4.197	3.475	17.2	122	0.00
4	T	Chloromethane	6.258	4.757	24.0	112	0.00
5	T	Freon 114	1.486	1.341	9.8	128	0.00
6	T	Vinyl Chloride	4.462	3.695	17.2	117	0.00
7	T	1,3-Butadiene	4.100	3.460	15.6	115	0.00
8	T	Bromomethane	1.503	1.361	9.4	133	0.00
9	T	Chloroethane	1.802	1.493	17.1	123	0.00
10	T	Ethanol	2.461	2.099	14.7	115	0.00
11	T	Acetonitrile	5.631	4.780	15.1	114	0.00
12	T	Acrolein	1.838	1.613	12.2	121	0.00
13	T	Acetone	2.373	1.971	16.9	125	0.00
14	T	Trichlorofluoromethane	3.067	2.682	12.6	134	0.00
15	T	Isopropanol	7.273	6.170	15.2	112	0.00
16	T	Acrylonitrile	4.103	3.788	7.7	121	0.00
17	T	1,1-Dichloroethene	1.602	1.424	11.1	131	0.00
18	T	tert-Butanol	6.380	5.668	11.2	120	0.00
19	T	Methylene Chloride	1.722	1.477	14.2	130	0.00
20	T	Allyl Chloride	3.282	2.739	16.5	111	0.00
21	T	Trichlorotrifluoroethane	1.056	0.956	9.5	137	0.00
22	T	Carbon Disulfide	7.163	6.045	15.6	128	0.00
23	T	trans-1,2-Dichloroethene	3.600	3.200	11.1	125	0.00
24	T	1,1-Dichloroethane	4.263	3.512	17.6	125	0.00
25	T	Methyl tert-Butyl Ether	4.730	4.378	7.4	129	0.00
26	T	Vinyl Acetate	0.270	0.229	15.2	106	0.00
27	T	2-Butanone	1.111	1.000	10.0	128	0.00
28	T	cis-1,2-Dichloroethene	3.386	2.953	12.8	125	0.00
29	T	Diisopropyl Ether	1.243	1.197	3.7	130	0.00
30	T	Ethyl Acetate	0.906	0.779	14.0	120	0.00
31	T	n-Hexane	5.024	4.279	14.8	122	0.00
32	T	Chloroform	2.609	2.295	12.0	130	0.00
33	S	1,2-Dichloroethane-d4(SS1)	2.580	2.451	5.0	132	0.00
34	T	Tetrahydrofuran	1.023	0.982	4.0	126	0.00
35	T	Ethyl tert-Butyl Ether	1.816	1.737	4.4	131	0.00
36	T	1,2-Dichloroethane	3.242	2.784	14.1	125	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	137	0.00
38	T	1,1,1-Trichloroethane	0.557	0.508	8.8	133	0.00
39	T	Isopropyl Acetate	0.313	0.302	3.5	123	0.00
40	T	1-Butanol	0.476	0.521	-9.5	120	0.00
41	T	Benzene	1.406	1.207	14.2	125	0.00
42	T	Carbon Tetrachloride	0.448	0.419	6.5	131	0.00
43	T	Cyclohexane	0.534	0.477	10.7	128	0.00
44	T	tert-Amyl Methyl Ether	0.930	0.879	5.5	127	0.00
45	T	1,2-Dichloropropane	0.521	0.458	12.1	122	0.00
46	T	Bromodichloromethane	0.472	0.430	8.9	128	0.00
47	T	Trichloroethene	0.294	0.270	8.2	132	0.00

DM 10/5/07

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020719.D
Acq On : 2 Oct 2007 20:07
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S29-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 07:01:37 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	T	1,4-Dioxane	0.227	0.234	-3.1	126	0.00
49	T	Isooctane	2.520	2.258	10.4	120	0.00
50	T	Methyl Methacrylate	0.117	0.111	5.1	126	0.00
51	T	n-Heptane	0.350	0.321	8.3	123	0.00
52	T	cis-1,3-Dichloropropene	0.565	0.536	5.1	125	0.00
53	T	4-Methyl-2-pentanone	0.530	0.503	5.1	116	0.00
54	T	trans-1,3-Dichloropropene	0.521	0.494	5.2	123	0.00
55	T	1,1,2-Trichloroethane	0.336	0.303	9.8	125	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	132	0.00
57	S	Toluene-d8 (SS2)	2.239	2.211	1.3	133	0.00
58	T	Toluene	2.513	2.238	10.9	124	0.00
59	T	2-Hexanone	2.465	2.156	12.5	106	0.00
60	T	Dibromochloromethane	0.596	0.560	6.0	126	0.00
61	T	1,2-Dibromoethane	0.622	0.576	7.4	124	0.00
62	T	Butyl Acetate	2.374	2.112	11.0	99	0.00
63	T	n-Octane	0.928	0.846	8.8	117	0.00
64	T	Tetrachloroethene	0.547	0.511	6.6	130	0.00
65	T	Chlorobenzene	1.483	1.329	10.4	124	0.00
66	T	Ethylbenzene	2.835	2.653	6.4	122	0.00
67	T	m- & p-Xylene	1.885	1.752	7.1	123	0.00
68	T	Bromoform	0.384	0.365	4.9	127	0.00
69	T	Styrene	1.454	1.446	0.6	121	0.00
70	T	o-Xylene	2.004	1.899	5.2	120	0.00
71	T	n-Nonane	2.213	1.920	13.2	107	0.00
72	T	1,1,2,2-Tetrachloroethane	1.010	0.911	9.8	117	0.00
73	S	Bromofluorobenzene (SS3)	0.611	0.641	-4.9	136	0.00
74	T	Cumene	2.398	2.288	4.6	122	0.00
75	T	alpha-Pinene	1.322	1.347	-1.9	120	0.00
76	T	n-Propylbenzene	3.388	3.288	3.0	118	0.00
77	T	3-Ethyltoluene	2.503	2.444	2.4	117	0.00
78	T	4-Ethyltoluene	2.369	2.311	2.4	123	0.00
79	T	1,3,5-Trimethylbenzene	2.073	2.024	2.4	121	0.00
80	T	alpha-Methylstyrene	0.988	1.115	-12.9	118	0.00
81	T	2-Ethyltoluene	2.525	2.496	1.1	119	0.00
82	T	1,2,4-Trimethylbenzene	2.063	2.073	-0.5	119	0.00
83	T	n-Decane	2.116	2.117	-0.0	113	0.00
84	T	Benzyl Chloride	1.996	2.138	-7.1	118	0.00
85	T	1,3-Dichlorobenzene	1.138	1.087	4.5	120	0.00
86	T	1,4-Dichlorobenzene	1.101	1.061	3.6	120	0.00
87	T	sec-Butylbenzene	2.717	2.748	-1.1	118	0.00
88	T	p-Isopropyltoluene	2.097	2.181	-4.0	118	0.00
89	T	1,2,3-Trimethylbenzene	2.039	2.065	-1.3	117	0.00
90	T	1,2-Dichlorobenzene	1.072	1.020	4.9	119	0.00
91	T	d-Limonene	0.885	0.980	-10.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.357	0.370	-3.6	119	0.00
93	T	n-Undecane	2.084	2.247	-7.8	112	0.00
94		1,2,4-Trichlorobenzene	0.721	0.779	-8.0	120	0.00

DH 10/5/07

Data Path : J:\MS08\Data\2007_10\02\
Data File : 10020719.D
Acq On : 2 Oct 2007 20:07
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S29-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 05 07:01:37 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 T	Naphthalene	2.262	2.747	-21.4	120	0.00
96 T	n-Dodecane	1.932	2.142	-10.9	116	0.00
97 T	Hexachloro-1,3-butadiene	0.457	0.464	-1.5	118	0.00

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

10/5/07

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030701.D
Acq On : 3 Oct 2007 6:45 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 09:37:15 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	115	0.00
2	T	Propene	3.298	2.974	9.8	106	0.00
3	T	Dichlorodifluoromethane	4.197	3.747	10.7	107	0.00
4	T	Chloromethane	6.258	5.516	11.9	105	0.00
5	T	Freon 114	1.486	1.382	7.0	107	0.00
6	T	Vinyl Chloride	4.462	4.056	9.1	104	0.00
7	T	1,3-Butadiene	4.100	3.988	2.7	108	0.00
8	T	Bromomethane	1.503	1.379	8.3	109	0.00
9	T	Chloroethane	1.802	1.585	12.0	106	0.00
10	T	Ethanol	2.461	2.456	0.2	109	0.00
11	T	Acetonitrile	5.631	5.576	1.0	108	0.00
12	T	Acrolein	1.838	1.732	5.8	105	0.00
13	T	Acetone	2.373	2.093	11.8	108	0.00
14	T	Trichlorofluoromethane	3.067	2.691	12.3	109	0.00
15	T	Isopropanol	7.273	7.168	1.4	105	0.00
16	T	Acrylonitrile	4.103	4.186	-2.0	108	0.00
17	T	1,1-Dichloroethene	1.602	1.449	9.6	108	0.00
18	T	tert-Butanol	6.380	6.077	4.7	104	0.00
19	T	Methylene Chloride	1.722	1.528	11.3	109	0.00
20	T	Allyl Chloride	3.282	3.222	1.8	106	0.00
21	T	Trichlorotrifluoroethane	1.056	0.975	7.7	113	0.00
22	T	Carbon Disulfide	7.163	6.378	11.0	109	0.00
23	T	trans-1,2-Dichloroethene	3.600	3.339	7.3	106	0.00
24	T	1,1-Dichloroethane	4.263	3.692	13.4	107	0.00
25	T	Methyl tert-Butyl Ether	4.730	4.496	4.9	108	0.00
26	T	Vinyl Acetate	0.270	0.220	18.5	82	0.00
27	T	2-Butanone	1.111	1.041	6.3	108	0.00
28	T	cis-1,2-Dichloroethene	3.386	3.118	7.9	107	0.00
29	T	Diisopropyl Ether	1.243	1.225	1.4	107	0.00
30	T	Ethyl Acetate	0.906	0.828	8.6	104	0.00
31	T	n-Hexane	5.024	4.602	8.4	106	0.00
32	T	Chloroform	2.609	2.347	10.0	107	0.00
33	S	1,2-Dichloroethane-d4(SS1)	2.580	2.540	1.6	111	0.00
34	T	Tetrahydrofuran	1.023	1.028	-0.5	107	0.00
35	T	Ethyl tert-Butyl Ether	1.816	1.761	3.0	108	0.00
36	T	1,2-Dichloroethane	3.242	2.916	10.1	106	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	112	0.00
38	T	1,1,1-Trichloroethane	0.557	0.510	8.4	109	0.00
39	T	Isopropyl Acetate	0.313	0.318	-1.6	106	0.00
40	T	1-Butanol	0.476	0.554	-16.4	104	0.00
41	T	Benzene	1.406	1.253	10.9	106	0.00
42	T	Carbon Tetrachloride	0.448	0.423	5.6	108	0.00
43	T	Cyclohexane	0.534	0.487	8.8	107	0.00
44	T	tert-Amyl Methyl Ether	0.930	0.898	3.4	106	0.00
45	T	1,2-Dichloropropane	0.521	0.479	8.1	104	0.00
46	T	Bromodichloromethane	0.472	0.439	7.0	107	0.00
47	T	Trichloroethene	0.294	0.268	8.8	107	0.00
48	T	1,4-Dioxane	0.227	0.241	-6.2	107	0.00
49	T	Isooctane	2.520	2.407	4.5	105	0.00
50	T	Methyl Methacrylate	0.117	0.113	3.4	104	0.00
51	T	n-Heptane	0.350	0.330	5.7	104	0.00

10/3/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030701.D
Acq On : 3 Oct 2007 6:45 am
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 09:37:15 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.565	0.546	3.4	104	0.00
53	T	4-Methyl-2-pentanone	0.530	0.538	-1.5	102	0.00
54	T	trans-1,3-Dichloropropene	0.521	0.511	1.9	104	0.00
55	T	1,1,2-Trichloroethane	0.336	0.313	6.8	105	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	110	0.00
57	S	Toluene-d8 (SS2)	2.239	2.199	1.8	111	0.00
58	T	Toluene	2.513	2.270	9.7	105	0.00
59	T	2-Hexanone	2.465	2.430	1.4	100	0.00
60	T	Dibromochloromethane	0.596	0.560	6.0	105	0.00
61	T	1,2-Dibromoethane	0.622	0.582	6.4	105	0.00
62	T	Butyl Acetate	2.374	2.364	0.4	93	0.00
63	T	n-Octane	0.928	0.892	3.9	103	0.00
64	T	Tetrachloroethene	0.547	0.505	7.7	107	0.00
65	T	Chlorobenzene	1.483	1.336	9.9	104	0.00
66	T	Ethylbenzene	2.835	2.690	5.1	103	0.00
67	T	m- & p-Xylene	1.885	1.773	5.9	103	0.00
68	T	Bromoform	0.384	0.366	4.7	106	0.00
69	T	Styrene	1.454	1.471	-1.2	103	0.00
70	T	o-Xylene	2.004	1.937	3.3	102	0.00
71	T	n-Nonane	2.213	2.159	2.4	101	0.00
72	T	1,1,2,2-Tetrachloroethane	1.010	0.953	5.6	102	0.00
73	S	Bromofluorobenzene (SS3)	0.611	0.643	-5.2	114	0.00
74	T	Cumene	2.398	2.309	3.7	103	0.00
75	T	alpha-Pinene	1.322	1.373	-3.9	102	0.00
76	T	n-Propylbenzene	3.388	3.395	-0.2	102	0.00
77	T	3-Ethyltoluene	2.503	2.501	0.1	100	0.00
78	T	4-Ethyltoluene	2.369	2.349	0.8	104	0.00
79	T	1,3,5-Trimethylbenzene	2.073	2.057	0.8	102	0.00
80	T	alpha-Methylstyrene	0.988	1.138	-15.2	101	0.00
81	T	2-Ethyltoluene	2.525	2.550	-1.0	101	0.00
82	T	1,2,4-Trimethylbenzene	2.063	2.117	-2.6	101	0.00
83	T	n-Decane	2.116	2.261	-6.9	100	0.00
84	T	Benzyl Chloride	1.996	2.234	-11.9	103	0.00
85	T	1,3-Dichlorobenzene	1.138	1.111	2.4	103	0.00
86	T	1,4-Dichlorobenzene	1.101	1.085	1.5	102	0.00
87	T	sec-Butylbenzene	2.717	2.846	-4.7	102	0.00
88	T	p-Isopropyltoluene	2.097	2.251	-7.3	102	0.00
89	T	1,2,3-Trimethylbenzene	2.039	2.151	-5.5	102	0.00
90	T	1,2-Dichlorobenzene	1.072	1.054	1.7	103	0.00
91	T	d-Limonene	0.885	1.046	-18.2	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.357	0.386	-8.1	104	0.00
93	T	n-Undecane	2.084	2.447	-17.4	101	0.00
94		1,2,4-Trichlorobenzene	0.721	0.813	-12.8	105	0.00
95	T	Naphthalene	2.262	2.912	-28.7	106	0.00
96	T	n-Dodecane	1.932	2.375	-22.9	108	0.00
97	T	Hexachloro-1,3-butadiene	0.457	0.490	-7.2	104	0.00

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

10/3/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030706.D
Acq On : 3 Oct 2007 10:40
Operator : WA
Sample : 1ng CRQL STD
Misc : S20-09270703/S20-09250710
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 11:18:46 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	86	-0.03
2	T	Propene	3.298	3.630	-10.1	89	0.01
3	T	Dichlorodifluoromethane	4.197	4.301	-2.5	83	0.01
4	T	Chloromethane	6.258	6.607	-5.6	83	0.00
5	T	Freon 114	1.486	1.559	-4.9	82	0.00
6	T	Vinyl Chloride	4.462	4.538	-1.7	81	0.00
7	T	1,3-Butadiene	4.100	4.160	-1.5	80	0.00
8	T	Bromomethane	1.503	1.489	0.9	82	0.00
9	T	Chloroethane	1.802	1.851	-2.7	81	0.00
10	T	Ethanol	2.461	2.937	-19.3	93	-0.03
11	T	Acetonitrile	5.631	6.136	-9.0	87	0.00
12	T	Acrolein	1.838	1.849	-0.6	82	-0.01
13	T	Acetone	2.373	3.000	-26.4	95	-0.02
14	T	Trichlorofluoromethane	3.067	3.118	-1.7	82	-0.01
15	T	Isopropanol	7.273	8.374	-15.1	86	-0.03
16	T	Acrylonitrile	4.103	4.525	-10.3	83	-0.02
17	T	1,1-Dichloroethene	1.602	1.530	4.5	81	-0.01
18	T	tert-Butanol	6.380	6.819	-6.9	82	-0.01
19	T	Methylene Chloride	1.722	1.851	-7.5	83	-0.03
20	T	Allyl Chloride	3.282	3.614	-10.1	91	-0.02
21	T	Trichlorotrifluoroethane	1.056	1.026	2.8	80	-0.01
22	T	Carbon Disulfide	7.163	8.117	-13.3	88	-0.01
23	T	trans-1,2-Dichloroethene	3.600	3.591	0.2	81	-0.03
24	T	1,1-Dichloroethane	4.263	4.399	-3.2	83	-0.03
25	T	Methyl tert-Butyl Ether	4.730	4.557	3.7	80	-0.02
26	T	Vinyl Acetate	0.270	0.234	13.3	85	0.00
27	T	2-Butanone	1.111	1.061	4.5	78	-0.02
28	T	cis-1,2-Dichloroethene	3.386	3.431	-1.3	81	-0.03
29	T	Diisopropyl Ether	1.243	1.369	-10.1	88	-0.02
30	T	Ethyl Acetate	0.906	0.955	-5.4	85	-0.02
31	T	n-Hexane	5.024	5.203	-3.6	81	-0.02
32	T	Chloroform	2.609	2.573	1.4	80	-0.04
33	S	1,2-Dichloroethane-d4(SS1)	2.580	2.785	-7.9	89	-0.02
34	T	Tetrahydrofuran	1.023	1.075	-5.1	82	0.00
35	T	Ethyl tert-Butyl Ether	1.816	1.837	-1.2	82	-0.02
36	T	1,2-Dichloroethane	3.242	3.545	-9.3	88	-0.02
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	87	-0.02
38	T	1,1,1-Trichloroethane	0.557	0.555	0.4	85	-0.02
39	T	Isopropyl Acetate	0.313	0.284	9.3	76	-0.02
40	T	1-Butanol	0.476	0.349	26.7	75	0.00
41	T	Benzene	1.406	1.348	4.1	83	-0.02
42	T	Carbon Tetrachloride	0.448	0.450	-0.4	85	-0.03
43	T	Cyclohexane	0.534	0.520	2.6	80	-0.02
44	T	tert-Amyl Methyl Ether	0.930	0.886	4.7	83	-0.01
45	T	1,2-Dichloropropane	0.521	0.548	-5.2	85	-0.02
46	T	Bromodichloromethane	0.472	0.466	1.3	85	-0.01
47	T	Trichloroethene	0.294	0.299	-1.7	87	-0.02
48	T	1,4-Dioxane	0.227	0.232	-2.2	87	0.00
49	T	Isooctane	2.520	2.598	-3.1	84	-0.01
50	T	Methyl Methacrylate	0.117	0.092	21.4	67	-0.02
51	T	n-Heptane	0.350	0.345	1.4	82	-0.01

E 10/3/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030706.D
Acq On : 3 Oct 2007 10:40
Operator : WA
Sample : 1ng CRQL STD
Misc : S20-09270703/S20-09250710
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 03 11:18:46 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.565	0.553	2.1	82	-0.01
53	T	4-Methyl-2-pentanone	0.530	0.483	8.9	79	-0.01
54	T	trans-1,3-Dichloropropene	0.521	0.477	8.4	80	0.00
55	T	1,1,2-Trichloroethane	0.336	0.312	7.1	79	-0.02
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	89	-0.01
57	S	Toluene-d8 (SS2)	2.239	2.201	1.7	88	-0.01
58	T	Toluene	2.513	2.433	3.2	83	-0.01
59	T	2-Hexanone	2.465	2.432	1.3	84	-0.01
60	T	Dibromochloromethane	0.596	0.584	2.0	85	-0.01
61	T	1,2-Dibromoethane	0.622	0.573	7.9	83	-0.01
62	T	Butyl Acetate	2.374	2.327	2.0	83	-0.01
63	T	n-Octane	0.928	0.908	2.2	81	0.00
64	T	Tetrachloroethene	0.547	0.485	11.3	79	0.00
65	T	Chlorobenzene	1.483	1.495	-0.8	87	-0.01
66	T	Ethylbenzene	2.835	2.661	6.1	83	0.00
67	T	m- & p-Xylene	1.885	1.758	6.7	81	-0.02
68	T	Bromoform	0.384	0.347	9.6	81	-0.02
69	T	Styrene	1.454	1.220	16.1	76	-0.01
70	T	o-Xylene	2.004	1.929	3.7	83	-0.01
71	T	n-Nonane	2.213	2.338	-5.6	89	-0.01
72	T	1,1,2,2-Tetrachloroethane	1.010	0.979	3.1	83	-0.01
73	S	Bromofluorobenzene (SS3)	0.611	0.615	-0.7	91	-0.01
74	T	Cumene	2.398	2.281	4.9	84	-0.01
75	T	alpha-Pinene	1.322	1.095	17.2	78	0.00
76	T	n-Propylbenzene	3.388	3.293	2.8	84	0.00
77	T	3-Ethyltoluene	2.503	2.321	7.3	82	0.00
78	T	4-Ethyltoluene	2.369	2.202	7.0	78	0.00
79	T	1,3,5-Trimethylbenzene	2.073	1.924	7.2	84	-0.01
80	T	alpha-Methylstyrene	0.988	0.665	32.7#	69	-0.01
81	T	2-Ethyltoluene	2.525	2.459	2.6	85	0.00
82	T	1,2,4-Trimethylbenzene	2.063	2.004	2.9	88	-0.01
83	T	n-Decane	2.116	2.198	-3.9	91	-0.01
84	T	Benzyl Chloride	1.996	1.543	22.7	76	0.00
85	T	1,3-Dichlorobenzene	1.138	1.107	2.7	85	0.00
86	T	1,4-Dichlorobenzene	1.101	1.062	3.5	85	0.00
87	T	sec-Butylbenzene	2.717	2.628	3.3	84	0.00
88	T	p-Isopropyltoluene	2.097	1.996	4.8	86	0.00
89	T	1,2,3-Trimethylbenzene	2.039	1.910	6.3	84	-0.01
90	T	1,2-Dichlorobenzene	1.072	1.059	1.2	87	-0.01
91	T	d-Limonene	0.885	0.602	32.0#	73	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.357	0.293	17.9	85	0.00
93	T	n-Undecane	2.084	1.834	12.0	102	0.00
94		1,2,4-Trichlorobenzene	0.721	0.643	10.8	97	0.00
95	T	Naphthalene	2.262	1.541	31.9#	95	0.00
96	T	n-Dodecane	1.932	1.192	38.3#	108	0.00
97	T	Hexachloro-1,3-butadiene	0.457	0.381	16.6	85	-0.01

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

E 10/3/07

154

Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030717.D
Acq On : 3 Oct 2007 18:02
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 09:15:02 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	152	0.00
2	T	Propene	3.298	2.265	31.3#	106	0.00
3	T	Dichlorodifluoromethane	4.197	3.421	18.5	128	0.00
4	T	Chloromethane	6.258	4.453	28.8	112	0.00
5	T	Freon 114	1.486	1.335	10.2	136	0.00
6	T	Vinyl Chloride	4.462	3.512	21.3	118	0.00
7	T	1,3-Butadiene	4.100	3.216	21.6	114	0.00
8	T	Bromomethane	1.503	1.353	10.0	141	0.00
9	T	Chloroethane	1.802	1.460	19.0	129	0.00
10	T	Ethanol	2.461	1.885	23.4	110	0.00
11	T	Acetonitrile	5.631	4.590	18.5	117	0.00
12	T	Acrolein	1.838	1.572	14.5	126	0.00
13	T	Acetone	2.373	1.938	18.3	132	0.00
14	T	Trichlorofluoromethane	3.067	2.733	10.9	146	0.00
15	T	Isopropanol	7.273	5.906	18.8	114	0.00
16	T	Acrylonitrile	4.103	3.657	10.9	124	0.00
17	T	1,1-Dichloroethene	1.602	1.407	12.2	139	0.00
18	T	tert-Butanol	6.380	5.466	14.3	124	0.00
19	T	Methylene Chloride	1.722	1.458	15.3	137	0.00
20	T	Allyl Chloride	3.282	2.645	19.4	115	0.00
21	T	Trichlorotrifluoroethane	1.056	0.975	7.7	149	0.00
22	T	Carbon Disulfide	7.163	5.959	16.8	134	0.00
23	T	trans-1,2-Dichloroethene	3.600	3.114	13.5	130	0.00
24	T	1,1-Dichloroethane	4.263	3.421	19.8	130	0.00
25	T	Methyl tert-Butyl Ether	4.730	4.293	9.2	135	0.00
26	T	Vinyl Acetate	0.270	0.211	21.9	104	0.00
27	T	2-Butanone	1.111	0.970	12.7	133	0.00
28	T	cis-1,2-Dichloroethene	3.386	2.873	15.2	130	0.00
29	T	Diisopropyl Ether	1.243	1.189	4.3	137	0.00
30	T	Ethyl Acetate	0.906	0.749	17.3	123	0.00
31	T	n-Hexane	5.024	4.091	18.6	124	0.00
32	T	Chloroform	2.609	2.286	12.4	138	0.00
33	S	1,2-Dichloroethane-d4(SS1)	2.580	2.442	5.3	141	0.00
34	T	Tetrahydrofuran	1.023	0.956	6.5	131	0.00
35	T	Ethyl tert-Butyl Ether	1.816	1.739	4.2	140	0.00
36	T	1,2-Dichloroethane	3.242	2.722	16.0	130	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	145	0.00
38	T	1,1,1-Trichloroethane	0.557	0.518	7.0	143	0.00
39	T	Isopropyl Acetate	0.313	0.295	5.8	128	0.00
40	T	1-Butanol	0.476	0.499	-4.8	122	0.00
41	T	Benzene	1.406	1.191	15.3	131	0.00
42	T	Carbon Tetrachloride	0.448	0.426	4.9	141	0.00
43	T	Cyclohexane	0.534	0.469	12.2	133	0.00
44	T	tert-Amyl Methyl Ether	0.930	0.869	6.6	133	0.00
45	T	1,2-Dichloropropane	0.521	0.446	14.4	126	0.00
46	T	Bromodichloromethane	0.472	0.430	8.9	135	0.00
47	T	Trichloroethene	0.294	0.271	7.8	141	0.00
48	T	1,4-Dioxane	0.227	0.232	-2.2	133	0.00
49	T	Isooctane	2.520	2.186	13.3	123	0.00
50	T	Methyl Methacrylate	0.117	0.113	3.4	136	-0.01
51	T	n-Heptane	0.350	0.312	10.9	127	0.00

10/4/07

RA 10/4/07

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Evaluate Continuing Calibration Report

Data Path : J:\MS08\Data\2007_10\03\
Data File : 10030717.D
Acq On : 3 Oct 2007 18:02
Operator : WA
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-09260708
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 04 09:15:02 2007
Quant Method : J:\MS08\METHODS\R8092807.M
Quant Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
QLast Update : Fri Sep 28 13:34:24 2007
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	cis-1,3-Dichloropropene	0.565	0.528	6.5	131	0.00
53	T	4-Methyl-2-pentanone	0.530	0.485	8.5	119	0.00
54	T	trans-1,3-Dichloropropene	0.521	0.493	5.4	131	0.00
55	T	1,1,2-Trichloroethane	0.336	0.304	9.5	133	0.00
56	I	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	140	0.00
57	S	Toluene-d8 (SS2)	2.239	2.218	0.9	141	0.00
58	T	Toluene	2.513	2.248	10.5	131	0.00
59	T	2-Hexanone	2.465	2.010	18.5	104	0.00
60	T	Dibromochloromethane	0.596	0.566	5.0	134	0.00
61	T	1,2-Dibromoethane	0.622	0.573	7.9	130	0.00
62	T	Butyl Acetate	2.374	1.931	18.7	96	0.00
63	T	n-Octane	0.928	0.822	11.4	120	0.00
64	T	Tetrachloroethene	0.547	0.517	5.5	139	0.00
65	T	Chlorobenzene	1.483	1.331	10.2	131	0.00
66	T	Ethylbenzene	2.835	2.645	6.7	129	0.00
67	T	m- & p-Xylene	1.885	1.756	6.8	130	0.00
68	T	Bromoform	0.384	0.372	3.1	137	0.00
69	T	Styrene	1.454	1.437	1.2	127	0.00
70	T	o-Xylene	2.004	1.899	5.2	127	0.00
71	T	n-Nonane	2.213	1.801	18.6	106	0.00
72	T	1,1,2,2-Tetrachloroethane	1.010	0.894	11.5	122	0.00
73	S	Bromofluorobenzene (SS3)	0.611	0.655	-7.2	147	0.00
74	T	Cumene	2.398	2.268	5.4	127	0.00
75	T	alpha-Pinene	1.322	1.329	-0.5	125	0.00
76	T	n-Propylbenzene	3.388	3.240	4.4	123	0.00
77	T	3-Ethyltoluene	2.503	2.421	3.3	123	0.00
78	T	4-Ethyltoluene	2.369	2.282	3.7	128	0.00
79	T	1,3,5-Trimethylbenzene	2.073	2.002	3.4	126	0.00
80	T	alpha-Methylstyrene	0.988	1.094	-10.7	122	0.00
81	T	2-Ethyltoluene	2.525	2.458	2.7	124	0.00
82	T	1,2,4-Trimethylbenzene	2.063	2.042	1.0	124	0.00
83	T	n-Decane	2.116	2.031	4.0	114	0.00
84	T	Benzyl Chloride	1.996	2.063	-3.4	120	0.00
85	T	1,3-Dichlorobenzene	1.138	1.067	6.2	125	0.00
86	T	1,4-Dichlorobenzene	1.101	1.044	5.2	124	0.00
87	T	sec-Butylbenzene	2.717	2.674	1.6	121	0.00
88	T	p-Isopropyltoluene	2.097	2.143	-2.2	123	0.00
89	T	1,2,3-Trimethylbenzene	2.039	2.032	0.3	122	0.00
90	T	1,2-Dichlorobenzene	1.072	1.002	6.5	123	0.00
91	T	d-Limonene	0.885	0.941	-6.3	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.357	0.361	-1.1	123	0.00
93	T	n-Undecane	2.084	2.119	-1.7	111	0.00
94		1,2,4-Trichlorobenzene	0.721	0.767	-6.4	125	0.00
95	T	Naphthalene	2.262	2.603	-15.1	120	0.00
96	T	n-Dodecane	1.932	1.969	-1.9	113	0.00
97	T	Hexachloro-1,3-butadiene	0.457	0.461	-0.9	124	0.00

10/4/07

10/4/07

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

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2702949

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 10010701.D
Date Analyzed: 10/1/07
Time Analyzed: 08:08

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	409108	8.20	1781645	10.11	666308	14.99
	Upper Limit	572751	8.53	2494303	10.44	932831	15.32
	Lower Limit	245465	7.87	1068987	9.78	399785	14.66
	Client Sample ID						
01	Method Blank	365156	8.18	1710520	10.10	649278	14.99
02	WDI-VW35-S-9-20-07	361028	8.18	1688412	10.10	649839	14.99
03	WDI-VW35-D-9-20-07	373253	8.17	1716117	10.09	656188	14.99
04	WDI-VW35-DAC-9-20-07	375732	8.18	1693243	10.10	649930	14.99
05	Lab Control Sample	376128	8.19	1641313	10.10	620419	14.99
06	Duplicate Lab Control Sample	381050	8.19	1676485	10.10	637906	14.99
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = 140% of internal standard area
AREA LOWER LIMIT = 60% of internal standard area
RT UPPER LIMIT = 0.33 minutes of internal standard RT
RT LOWER LIMIT = 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Verified by: Kurt Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2702949

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9
Analyst: Wida Ang
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 10020701.D
Date Analyzed: 10/2/07
Time Analyzed: 08:02

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	436267	8.20	1882510	10.11	708371	14.99
	Upper Limit	610774	8.53	2635514	10.44	991719	15.32
	Lower Limit	261760	7.87	1129506	9.78	425023	14.66
	Client Sample ID						
01	Method Blank	378888	8.17	1782334	10.09	681803	14.99
02	WDI-VW62-S-9-20-07	408607	8.18	1773789	10.10	703438	14.99
03	WDI-VW62-I-9-20-07	368835	8.18	1754949	10.09	682952	14.99
04	WDI-VW62-D-9-20-07	376559	8.17	1709898	10.09	661626	14.99
05	WDI-VW62-D-9-20-07 (Lab Duplicate)	368694	8.17	1689837	10.09	660172	14.99
06	Lab Control Sample	399664	8.20	1731376	10.10	657272	14.99
07	Duplicate Lab Control Sample	396410	8.20	1738963	10.10	654229	14.99
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* Values outside of QC limits.

Verified by: KWH Date: 10/29/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2702949

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 10020701.D
Date Analyzed: 10/2/07
Time Analyzed: 07:29

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	391110	9.06	1844006	10.99	1017107	15.81
	Upper Limit	547554	9.39	2581608	11.32	1423950	16.14
	Lower Limit	234666	8.73	1106404	10.66	610264	15.48
	Client Sample ID						
01	Method Blank	386674	9.04	1820019	10.97	987610	15.81
02	Lab Control Sample	341223	9.06	1621442	10.99	909578	15.81
03	WDI-VW58-D-9-20-07	334193	9.05	1596657	10.98	881998	15.81
04	WDI-VW58-I-9-20-07	349925	9.04	1655478	10.98	910344	15.81
05	WDI-VW58-I-9-20-07 (Lab Duplicate)	345253	9.04	1638713	10.98	900330	15.81
06	WDI-VW49-D-9-20-07	317310	9.04	1482119	10.98	816892	15.81
07	Duplicate Lab Control Sample	304613	9.06	1476724	11.00	844881	15.81
08	WDI-VW58-S-9-20-07	354560	9.05	1674040	10.98	918600	15.81
09	WDI-VW49-S-9-20-07	312559	9.05	1500902	10.98	893528	15.81
10	WDI-VW49-I-9-20-07	422138	9.04	1967386	10.98	1079925	15.81
11	WDI-VW62-Ambient-9-20-07	376397	9.04	1788432	10.98	998062	15.81
12	WDI-VW49-S-9-20-07 (Dilution)	391628	9.05	1859317	10.98	1031508	15.81
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Verified by: KH Date: 10/09/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2702949

Internal Standard Area and RT Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Wida Ang
Sampling Media: Summa Canister(s)
Test Notes:

Lab File ID: 10030701.D
Date Analyzed: 10/3/07
Time Analyzed: 06:45

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	24 Hour Standard	311187	9.07	1483013	11.00	845574	15.81
	Upper Limit	435662	9.40	2076218	11.33	1183804	16.14
	Lower Limit	186712	8.74	889808	10.67	507344	15.48
	Client Sample ID						
01	Method Blank	334252	9.04	1581579	10.98	863913	15.81
02	WDI-VW49-I-9-20-07 (Dilution)	219608	9.04	1062414	10.98	604204	15.81
03	Lab Control Sample	354346	9.06	1680804	10.99	950459	15.81
04	Duplicate Lab Control Sample	391630	9.06	1838221	10.99	1024300	15.81
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* Values outside of QC limits.

Verified by: KLH Date: 10/09/07

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	9/25/07 8:15	09250701.D	5ng TO-15 CCV STD	S20-09100701/S15-08240709	WA/EM	1	
2	9/25/07 9:14	09250702.D	5ng TO-15 CCV STD	S20-09100701/S15-08240713	WA/EM	1	
3	9/25/07 10:08	09250703.D	Blank (100ml)	S20-09100701	WA/EM	1	
4	9/25/07 10:46	09250704.D	CAS QC CAN (1000ml)	AC01408	WA/EM	13	Pass
5	9/25/07 11:37	09250705.D	CAS QC CAN (1000ml)	AC00209	WA/EM	14	Pass
6	9/25/07 12:37	09250706.D	0.1ng std check	S20-09100701/S20-09250706	WA/EM	16	
7	9/25/07 13:32	09250707.D	0.5ng std check	S20-09100701/S2009250709	WA/EM	1	
8	9/25/07 14:31	09250708.D	0.5ng std check	S20-09100701/S2009250710	WA/EM	1	
9	9/25/07 15:06	09250709.D	25ng std check	S20-09100701/S2009250712	WA/EM	1	
10	9/25/07 15:57	09250710.D	25ng TO-15 BFB	S20-09100701	WA/EM	1	Pass
11	9/25/07 16:32	09250711.D	0.1ng TO-15 ICAL STD	S20-09100701/S20-09250706	WA/EM	16	ICAL RANGES: ~~10-1~~ 0.5-~~100ng~~ → Acrolein, IPA, CS_2,
12	9/25/07 17:07	09250712.D	0.5ng TO-15 ICAL STD	S20-09100701/S20-09250710	WA/EM	1	T-Butanol, Ethyl Acetate, n-Hexane,
13	9/25/07 17:42	09250713.D	1.0ng TO-15 ICAL STD	S20-09100701/S20-09250710	WA/EM	1	Isopropyl Acetate, 1-Butanol, Cyclohexane, Methyl Methacrylate,
14	9/25/07 18:16	09250714.D	5.0ng TO-15 ICAL STD	S20-09100701/S20-09250710	WA/EM	1	n-Heptane, cis/trans 1,3 dichloropropene,
15	9/25/07 18:51	09250715.D	25ng TO-15 ICAL STD	S20-09100701/S20-09250712	WA/EM	1	4-Methyl-2 pentanone, n-Octane, Bromoform, DBCP.
16	9/25/07 19:26	09250716.D	50ng TO-15 ICAL STD	S20-09100701/S20-09250712	WA/EM	1	~~1.0-100ng~~ → Acetone, VA
17	9/25/07 20:01	09250717.D	100ng TO-15 ICAL STD	S20-09100701/S20-09250712	WA/EM	1	Good ICAL R1092507.M
18	9/26/07 8:34	09250718.D	25ng TO-15 ICV STD	S20-09100701/S20-09250718	WA/EM	2	Case File
19	9/26/07 9:15	09250719.D	25ng TO-15 ICV STD	S20-09100701/S20-09250718	WA/EM	2	Pass all cmpds.
20	9/26/07 9:57	09250720.D	25ng LCS STD check	S20-09100701/S20-09250719	WA/EM	2	
21	9/26/07 11:03	09250721.D	CAS QC CAN/COA/FC (1000ml)	SC00845/6V-.5-132/AVG00357	WA/EM	13	Failed
22	9/26/07 11:41	09250722.D	CAS QC CAN/COA/FC (1000ml)	SC00838/6V-.5-138/AVG00397	WA/EM	14	↓
23	9/26/07 12:21	09250723.D	CAS QC CAN/COA/FC (1000ml)	SC00865/6V-.5-175/AVG00091	WA/EM	15	Pass

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	9/28/07 7:48	09280701.D	blank	S20-09270703	WA	1	
2	9/28/07 8:26	09280702.D	25ng BFB STD	S20-09270703	WA	1	
3	9/28/07 9:01	09280703.D	0.1ng TO-15 ICAL STD	S20-09270703/S20-09250706	WA	15	
4	9/28/07 9:37	09280704.D	0.5ng TO-15 ICAL STD	S20-09270703/S20-09250710	WA	1	
5	9/28/07 10:12	09280705.D	1.0ng TO-15 ICAL STD	S20-09270703/S20-09250710	WA	1	
6	9/28/07 10:48	09280706.D	5ng TO-15 ICAL STD	S20-09270703/S20-09250710	WA	1	
7	9/28/07 11:24	09280707.D	25ng TO-15 ICAL STD	S20-09270703/S20-09260708	WA	1	Good ICAL
8	9/28/07 12:00	09280708.D	50ng TO-15 ICAL STD	S20-09270703/S20-09260708	WA	1	R0809280 7.M
9	9/28/07 12:36	09280709.D	100ng TO-15 ICAL STD	S20-09270703/S20-09260708	WA	1	
10	9/28/07 13:15	09280710.D	Blank	S20-09270703	WA	1	
11	9/28/07 14:12	09280711.D	25ng TO-15 ICV STD	S20-09270703/S20-09250719	WA	16	Pass all Cmpds
12	9/28/07 14:52	09280712.D	blank	S20-09270703	WA	1	
13	9/28/07 15:28	09280713.D	25ng TO-15 CCV STD	S20-09270703/S20-09250708	WA	1	Pass all Cmpds
14	9/28/07 16:23	09280714.D	TO-15 Method Blank (1000ml)	S20-09270703	WA	1	
15	9/28/07 16:59	09280715.D	1ng CRQL STD	S20-09270703/S20-09250710	WA	1	
16	9/28/07 17:40	09280716.D	P2702920-002 (500ml)	TRC WDI-VW41-D-9-18-07 (-5.0,3.5)	WA	3	
17	9/28/07 18:27	09280717.D	blank		WA	1	
18	9/28/07 19:08	09280718.D	P2702920-001 (1000ml)	TRC WDI-VW41-S-9-18-07 (-2.7,3.5)	WA	2	
19	9/28/07 19:48	09280719.D	P2702920-001 dup (1000ml)	TRC WDI-VW41-S-9-18-07 (-2.7,3.5)	WA	2	Pass as Lab dupl
20	9/28/07 20:24	09280720.D	25ng TO-15 LCS STD	S20-09270703/S20-09250719	WA	1	
21	9/28/07 21:00	09280721.D	25ng TO-15 LCSD STD	S20-09270703/S20-09250719	WA	1	Pass as LCS / LCSD
22	9/28/07 21:36	09280722.D	P2702920-003 (500ml)	TRC WDI-VW41-DAC-9-18-07 (-3.3,3.6)	WA	5	Case file
23	9/28/07 22:12	09280723.D	P2702920-004 (500ml)	TRC WDI-VW39-S-9-18-07 (-3.0,3.5)	WA	6	
24	9/28/07 22:48	09280724.D	P2702920-005 (500ml)	TRC WDI-VW39-D-9-18-07 (-2.9,3.5)	WA	7	
25	9/28/07 23:24	09280725.D	P2702920-006 (500ml)	TRC WDI-VW37-S-9-18-07 (-3.2,3.5)	WA	8	
26	9/29/07 0:00	09280726.D	P2702920-007 (500ml)	TRC WDI-VW37-D-9-18-07 (-3.6,3.6)	WA	9	
27	9/29/07 0:36	09280727.D	P2702920-008 (500ml)	TRC WDI-VW36-S-9-18-07 (-1.0,3.6)	WA	10	Case file
28	9/29/07 1:11	09280728.D	P2702920-009 (500ml)	TRC WDI-VW37-D-9-18-08 (-2.9,3.7)	WA	11	
29	9/29/07 1:47	09280729.D	25ng TO-15 CCV STD	S20-09270703/S20-09250708	WA	1	
30	9/29/07 2:23	09280730.D	1.0ng CRQL Check		WA	1	
31	9/29/07 3:04	09280731.D	P2702956-001 (1000ml)	[redacted]	WA	12	
32	9/29/07 3:45	09280732.D	P2702956-002 (1000ml)	[redacted]	WA	13	
33	9/29/07 4:25	09280733.D	P2702956-002 DUP (1000ml)	[redacted]	WA	13	
34	9/29/07 5:06	09280734.D	P2702956-003 (1000ml)	[redacted]	WA	14	
35	9/29/07 5:47	09280735.D	P2702956-004 (1000ml)	[redacted]	WA	15	
36	9/29/07 6:23	09280736.D	BLANK		WA	1	

JSA 10/3/07

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	9/28/07 11:54	09280701.D	25ng TO-15 CCV STD	S20-09260712/S2009250712	WA/EM	1	Pass
2	9/28/07 12:47	09280702.D	TO-15 Method Blank (1000ml)	S20-09260712	WA/EM	1	Pass as MB
3	9/28/07 13:36	09280703.D	P2702919-002 (1000ml)	TRC WDI-IBM-49-9-16-07 (-2.6,3.5)	WA/EM	4	
4	9/28/07 14:16	09280704.D	P2702919-003 (1000ml)	TRC WDI-IBM-49-9-16-07-SC (-2.3,3.5)	WA/EM	5	
5	9/28/07 14:51	09280705.D	1ng CRQL STD	S20-09260712/S20-09260711	WA/EM	1	Case File
6	9/28/07 15:32	09280706.D	P2702919-001 (1000ml)	TRC WDI-IBM-03B-9-16-07 (-2.6,3.5)	WA/EM	2	
7	9/28/07 16:07	09280707.D	25ng TO-15 LCS STD	S20-09260712/S20-09260702	WA/EM	3	Pass
8	9/28/07 16:42	09280708.D	25ng TO-15 LCSD STD	S20-09260712/S20-09260702	WA/EM	3	Pass as LCSD
9	9/28/07 18:19	09280709.D	P2702919-004 (1000ml)	TRC WDI-IBM-41-9-16-07 (-4.7,3.5)	WA/EM	6	
10	9/28/07 18:58	09280710.D	P2702919-005 (1000ml)	TRC WDI-IBM-28-9-16-07 (-3.4,3.6)	WA/EM	7	
11	9/28/07 19:44	09280711.D	P2702919-005 dup (1000ml)	TRC WDI-IBM-28-9-16-07 (-3.4,3.6)	WA/EM	7	Pass as lab Dup.
12	9/28/07 20:22	09280712.D	P2702919-006 (1000ml)	TRC WDI-IBM-22-9-16-07 (0.3,3.9)	WA/EM	8	
13	9/28/07 20:57	09280713.D	P2702919-007 (350ml)	TRC WDI-IBM-44-9-16-07 (-5.8,3.7)	WA/EM	9	
14	9/28/07 21:32	09280714.D	P2702919-007 dup (350ml)	TRC WDI-IBM-44-9-16-07 (-5.8,3.7)	WA/EM	9	Case File Dup.
15	9/28/07 22:07	09280715.D	1ng CRQL STD	S20-09260712/S20-09260711	WA/EM	1	↓
16	9/28/07 22:42	09280716.D	1ng CRQL STD	S20-09260712/S20-09260711	WA/EM	1	
17	9/28/07 23:17	09280717.D	25ng TO-15 CCV STD	S20-09260712/S20-09250712	WA/EM	1	Pass
18	9/28/07 23:52	09280718.D	std check	S20-09260712/S20-09250712	WA/EM	1	
19	9/29/07 0:27	09280719.D	Blank	(100ml)	WA/EM	1	

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	10/1/07 8:08	10010701.D	25ng TO-15 CCV STD	S20-09260712/S20-09250712	WA/EM	1	Pass except 1,2,4 Trichlorobenzene
2	10/1/07 9:01	10010702.D	TO-15 Method Blank (1000ml)	S20-09260712	WA/EM	2	Pass Naphthalene
3	10/1/07 9:35	10010703.D	P2702919-007 dil (100ml)	TRC WDI-IBM-44-9-16-07 (-5.8,3.7)	WA/EM	9	
4	10/1/07 10:10	10010704.D	1ng CRQL STD	S20-09260712/S20-09260711	WA/EM	1	
5	10/1/07 10:54	10010705.D	P2702948-001 (1000ml)	TRC WDI-IBM-42-9-19-07 (-3.2,3.7)	WA/EM	2	
6	10/1/07 11:34	10010706.D	P2702948-002 (1000ml)	TRC WDI-IBM-12-9-22-07 (-2.5,3.5)	WA/EM	4	
7	10/1/07 12:22	10010707.D	P2702948-002 dup (1000ml)	TRC WDI-IBM-12-9-22-07 (-2.5,3.5)	WA/EM	4	Pass as Lab Dup
8	10/1/07 13:03	10010708.D	P2702948-003 (1000ml)	TRC WDI-IBM-12-9-22-07 (-2.5,3.5)	WA/EM	5	
9	10/1/07 13:40	10010709.D	P2702948-001 dil (400ml)	TRC WDI-IBM-42-9-19-07 (-3.2,3.7)	WA/EM	2	
10	10/1/07 14:18	10010710.D	P2702949-001 (1000ml)	TRC WDI-VW35-S-9-20-07 (-2.5,3.6)	WA/EM	6	
11	10/1/07 14:53	10010711.D	P2702949-002 (70ml)	TRC WDI-VW35-D-9-20-07 (-3.5,3.6)	WA/EM	7	
12	10/1/07 15:29	10010712.D	P2702949-004 (3.5ml)	TRC WDI-VW62-S-9-20-07 (-2.3,3.5)	WA/EM	1	Case File
13	10/1/07 16:17	10010713.D	P2702949-003 (60ml)	TRC WDI-VW62-DAC-9-20-07 (-2.7,3.5)	WA/EM	4	
14	10/1/07 16:53	10010714.D	P2702949-004 (3.5ml)	TRC WDI-VW62-S-9-20-07 (-2.3,3.5)	WA/EM	1	Case File
15	10/1/07 17:30	10010715.D	1ng CRQL STD	S20-09260712/S20-09260711	WA/EM	1	Case File
16	10/1/07 18:05	10010716.D	25ng TO-15 LCS STD	S20-09260712/S20-09260702	WA/EM	3	PASS
17	10/1/07 18:41	10010717.D	25ng TO-15 LCSD STD	S20-09260712/S20-09260702	WA/EM	3	↓
18	10/1/07 19:16	10010718.D	25ng TO-15 CCV STD	S20-09260712/S20-09250712	WA/EM	1	↓
19	10/1/07 19:51	10010719.D	P2702937-001 (70ml)	[redacted]	WA/EM	8	Case File
20	10/1/07 20:26	10010720.D	P2702937-002 (80ml)	[redacted]	WA/EM	9	↓
21	10/1/07 21:04	10010721.D	P2702937-003 (1000ml)	[redacted]	WA/EM	10	
22	10/1/07 21:40	10010722.D	P2702937-004 (300ml)	[redacted]	WA/EM	11	

	Dat
23	10/1
24	10/1
25	10/1
26	10/2

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
23	10/1/07 22:15	10010723.D	P2702937-006 (450ml)	[redacted]	WA/EM	13	
24	10/1/07 22:50	10010724.D	P2702937-008 (200ml)	[redacted]	WA/EM	14	Case, File
25	10/1/07 23:26	10010725.D	P2702937-007 (450ml)	[redacted]	WA/EM	15	
26	10/2/07 0:01	10010726.D	Blank	(200ml)	WA/EM	1	

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	10/2/07 8:02	10020701.D	25ng TO-15 CCV STD	S20-09260712/S20-09250712	WA/EM	1	Pass
2	10/2/07 8:53	10020702.D	TO-15 Method Blank (1000ml)	S20-09260712	WA/EM	1	↓
3	10/2/07 9:36	10020703.D	P2702949-004 (35ml)	TRC WDI-VW62-S-9-20-07 (-2.3,3.5)	WA/EM	4	
4	10/2/07 10:13	10020704.D	P2702949-005 (1000ml)	TRC WDI-VW62-I-9-20-07 (-2.6,3.5)	WA/EM	5	
5	10/2/07 10:55	10020705.D	CAS QC CAN (1000ml)	SC00791	WA/EM	6	Fail
6	10/2/07 11:33	10020706.D	CAS QC CAN (1000ml)	SC00821	WA/EM	7	Pass
7	10/2/07 12:10	10020707.D	1ng TO-15 CRQL	S20-09260712/S20-09260711	WA/EM	1	
8	10/2/07 12:45	10020708.D	P27002949-006 (190ml)	TRC WDI-VW62-D-9-20-07 (-2.7,3.6)	WA/EM	2	Case, File
9	10/2/07 13:20	10020709.D	P27002949-006 dup (190ml)	TRC WDI-VW62-D-9-20-07 (-2.7,3.6)	WA/EM	2	↓
10	10/2/07 14:05	10020710.D	P27002903-023 (2.0ml)	[redacted]	WA/EM	1	
11	10/2/07 15:34	10020711.D	P27002903-024 (4.0ml)	[redacted]	WA/EM	1	
12	10/2/07 17:15	10020712.D	P27002903-025 (0.2ml)	[redacted]	WA/EM	1	Case, File
13	10/2/07 17:50	10020713.D	P27002949-006 (500ml)	TRC WDI-VW62-D-9-20-07 (-2.7,3.6)	WA/EM	2	
14	10/2/07 18:25	10020714.D	P27002949-006 dup (500ml)	TRC WDI-VW62-D-9-20-07 (-2.7,3.6)	WA/EM	2	Pass as Lab Dup
15	10/2/07 19:00	10020715.D	25ng TO-15 LCS STD	S20-09260712/S20-09260702	WA/EM	3	Pass
16	10/2/07 19:35	10020716.D	25ng TO-15 LCSD STD	S20-09260712/S20-09260702	WA/EM	3	↓
17	10/2/07 20:10	10020717.D	25ng TO-15 CCV STD	S20-09260712/S20-09250712	WA/EM	1	↓
18	10/2/07 20:45	10020718.D	P27002903-017 dil (200ml)	[redacted]	WA/EM	15	
19	10/2/07 21:20	10020719.D	P27002903-020 dil (200ml)	[redacted]	WA/EM	16	
20	10/2/07 21:55	10020720.D	P27002937-001 (400ml)	[redacted]	WA/EM	8	
21	10/2/07 22:30	10020721.D	P27002937-002 (400ml)	[redacted]	WA/EM	9	
22	10/2/07 23:05	10020722.D	P27002937-008 (500ml)	[redacted]	WA/EM	14	
23	10/2/07 23:43	10020723.D	P27002937-009 (1000ml)	[redacted]	WA/EM	5	
24	10/3/07 0:19	10020724.D	P27002937-010 (100ml)	[redacted]	WA/EM	6	Case, File
25	10/3/07 0:54	10020725.D	P27002937-011 (100ml)	[redacted]	WA/EM	7	
26	10/3/07 1:29	10020726.D	Blank	(200ml)	WA/EM	1	

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Trichlorobenzene,
nthalene

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	10/2/07 7:29	10020701.D	25ng TO-15 CCV STD	S20-09270703/S20-09250708	WA	1	Pass all Cmpds
2	10/2/07 8:12	10020702.D	TO-15 Method Blank (1000ml)	S20-09270703	WA	1	
3	10/2/07 9:12	10020703.D	1ng CRQL STD	S20-09270703/S20-09250710	WA	1	
4	10/2/07 9:48	10020704.D	25ng TO-15 LCS STD	S20-09270703/S20-09250718	WA	16	
5	10/2/07 10:24	10020705.D	P2702947-001 (250ml)	TRC WDI-IBM-37-9-19-07 (-3.7,3.6)	WA	2	
6	10/2/07 11:01	10020706.D	P2702949-013 (200ml)	TRC WDI-VW58-D-9-20-07 (-3.1,3.5)	WA	5	
7	10/2/07 11:37	10020707.D	P2702949-012 (120ml)	TRC WDI-VW35-I-9-20-07 (-3.3,3.5)	WA	6	
8	10/2/07 12:12	10020708.D	P2702949-012 Dup (120ml)	TRC WDI-VW35-I-9-20-07 (-3.3,3.5)	WA	6	Pass as Lab dupl.
9	10/2/07 12:48	10020709.D	xxxxxxxx	CAN close	WA	7	
10	10/2/07 13:23	10020710.D	P2702949-010 (50ml)	TRC WDI-VW49-D-9-20-07 (-3.3,3.6)	WA	8	
11	10/2/07 13:59	10020711.D	25ng TO-15 LCSD STD	S20-09270703/S20-09250718	WA	16	Pass LCS/LCSD
12	10/2/07 14:40	10020712.D	P2702949-011 (65ml)	TRC WDI-VW58-S-9-20-07 (-3.1,3.5)	WA	7	
13	10/2/07 15:53	10020713.D	P2702949-007 (50ml)	TRC WDI-VW62-Ambient-9-20-07 (-3.0,3.6)	WA	8	
14	10/2/07 17:02	10020714.D	P2702949-008 (1000ml)	TRC WDI-VW49-S-9-20-07 (-3.0,3.8)	WA	10	
15	10/2/07 17:37	10020715.D	P2702949-009 (50ml)	TRC WDI-VW49-I-9-20-07 (-0.5,3.6)	WA	11	
16	10/2/07 18:21	10020716.D	P2702949-007 (1000ml)	TRC WDI-VW62-Ambient-9-20-07 (-3.0,3.6)	WA	9	
17	10/2/07 18:56	10020717.D	P2702949-008 Dil (50ml) 200	TRC WDI-VW49-S-9-20-07 (-3.0,3.8)	WA	10	
18	10/2/07 19:32	10020718.D	P2702949-009 Dil (25ml) 10/8/07	TRC WDI-VW49-I-9-20-07 (-0.5,3.6)	WA	14	Case file, review
19	10/2/07 20:07	10020719.D	25ng TO-15 CCV STD	S20-09270703/S29-09260708	WA	1	Pass, except chloromethane
20	10/2/07 20:43	10020720.D	RL check		WA	1	Pass criteria
21	10/2/07 21:19	10020721.D	4ng TO-15 CDP-1 (CH)	S20-09270703/S20-10020702	WA	8	
22	10/2/07 21:54	10020722.D	4ng TO-15 CDP-2 (CH)	S20-09270703/S20-10020702	WA	8	
23	10/2/07 22:31	10020723.D	4ng TO-15 CDP-3 (CH)	S20-09270703/S20-10020702	WA	8	
24	10/2/07 23:07	10020724.D	4ng TO-15 CDP-4 (CH)	S20-09270703/S20-10020702	WA	8	
25	10/2/07 23:43	10020725.D	4ng TO-15 CDP-1 (LM)	S20-09270703/S20-10020702	WA	8	
26	10/3/07 0:20	10020726.D	4ng TO-15 CDP-2 (LM)	S20-09270703/S20-10020702	WA	8	
27	10/3/07 0:56	10020727.D	4ng TO-15 CDP-3 (LM)	S20-09270703/S20-10020702	WA	8	
28	10/3/07 1:33	10020728.D	4ng TO-15 CDP-4 (LM)	S20-09270703/S20-10020702	WA	8	
29	10/3/07 2:10	10020729.D	4ng TO-15 CDP-1 (CP)	S20-09270703/S20-10020702	WA	8	
30	10/3/07 2:46	10020730.D	4ng TO-15 CDP-2 (CP)	S20-09270703/S20-10020702	WA	8	
31	10/3/07 3:22	10020731.D	4ng TO-15 CDP-3 (CP)	S20-09270703/S20-10020702	WA	8	
32	10/3/07 3:59	10020732.D	4ng TO-15 CDP-4 (CP)	S20-09270703/S20-10020702	WA	8	
33	10/3/07 4:35	10020733.D	std check	S20-09270703/S20-09250710	WA	1	

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ll Cmpds

lab dupl.

Cmpds

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Invalid Seq. for TRC

10/5/07

Seq-error

	Date/Time	File Name	Sample ID	Misc Info	Operator	Vial	Comment
1	10/3/07 6:45	10030701.D	25ng TO-15 CCV STD	S20-09270703/S20-09260708	WA	1	Passed
2	10/3/07 7:47	10030702.D	QC CAN/FC/AVG (1000ml)	AC0147/FC00492/AVG00691	WA	1	MB Passed
3	10/3/07 8:34	10030703.D	QC CAN/FC/AVG (1000ml)	AC01096/FC00501/AVG00712	WA	3	
4	10/3/07 9:23	10030704.D	QC CAN/FC/AVG (1000ml)	AC01194/FC003031/AVG00697	WA	5	
5	10/3/07 10:04	10030705.D	QC CAN/FC/AVG (1000ml)	AC00551/FC00373/AVG00644	WA	6	
6	10/3/07 10:40	10030706.D	1ng CRQL STD	S20-09270703/S20-09250710	WA	1	Passed
7	10/3/07 11:24	10030707.D	P2702949-009 Dil (25ml)	S20-09270703/S20-09250710	WA	7	
8	10/3/07 12:03	10030708.D	P2703042-001 (1000ml)	TRC WDI-IBM-43-9-29-07 (-2.9,3.5)	WA	8	
9	10/3/07 12:44	10030709.D	P2703042-002 (1000ml)	TRC WDI-IBM-43-9-29-07-SC (-2.8,3.5)	WA	9	
10	10/3/07 13:25	10030710.D	P2703042-002 Dup (1000ml)	TRC WDI-IBM-43-9-29-07-SC (-2.8,3.5)	WA	9	Passed
11	10/3/07 14:11	10030711.D	25ng TO-15 LCS STD	S20-09270703/S20-09250718	WA	16	
12	10/3/07 14:47	10030712.D	25ng TO-15 LCSD STD	S20-09270703/S20-09250718	WA	16	
13	10/3/07 15:35	10030713.D	P2703041-001 (1000ml)	TRC WDI-GTS-OUT-9-26-07 (-3.3,3.5)	WA	8	
14	10/3/07 16:12	10030714.D	P2703041-002 (200ml)	TRC WDI-GTS-IN-9-26-07 (-3.2,3.5)	WA	9	Case file
15	10/3/07 16:48	10030715.D	Blank (100ml)	Rinse	WA	1	
16	10/3/07 17:25	10030716.D	Blank (100ml)	Rinse	WA	1	
17	10/3/07 18:02	10030717.D	25ng TO-15 CCV STD	S20-09270703/S20-09260708	WA	1	Passed
18	10/3/07 18:38	10030718.D	25ng TO-15 CCV STD	S20-09270703/S20-09260708	WA	1	
19	10/3/07 19:14	10030719.D	1ng TO-15 CCV STD	S20-09270703/S20-09250710	WA	1	

1	10/4/07 6:48	10040701.D	Blank	S20-09270703	WA	1	
2	10/4/07 7:24	10040702.D	25ng TO-15 CCV STD	S20-09270703/S20-09260708	WA	1	Passed
3	10/4/07 8:14	10040703.D	TO-15 Method Blank (1000ml)	S20-09270703	WA	1	Passed
4	10/4/07 8:50	10040704.D	1ng CRQL STD	S20-09270703/S20-09250710	WA	1	Passed
5	10/4/07 9:27	10040705.D	25ng TO-15 LCS STD	S20-09270703/S20-09250718	WA	16	Passed
6	10/4/07 10:03	10040706.D	25ng TO-15 LCSD STD	S20-09270703/S20-09250718	WA	16	Passed
7	10/4/07 10:40	10040707.D	P2703041-002 (100ml)	TRC WDI-GTS-IN-9-26-07 (-3.2,3.5)	WA	9	
8	10/4/07 11:16	10040708.D	P2703041-002 DUP(100ml)	TRC WDI-GTS-IN-9-26-07 (-3.2,3.5)	WA	9	Case file
9	10/4/07 12:00	10040709.D	P2702982-001 (1000ml)	[redacted]	WA	2	
10	10/4/07 13:15	10040710.D	P2703041-002 dup(100ml)	TRC WDI-GTS-IN-9-26-07 (-3.2,3.5)	WA	9	Passed
11	10/4/07 14:11	10040711.D	P2702982-002 (1000ml)	[redacted]	WA	3	Case file
12	10/4/07 14:47	10040712.D	Blank (100ml)	Rinse	WA	1	
13	10/4/07 15:24	10040713.D	Blank (100ml)	Rinse	WA	1	
14	10/4/07 16:01	10040714.D	Blank (100ml)	Rinse	WA	1	
15	10/4/07 16:48	10040715.D	Blank (200ml)	Rinse	WA	1	
16	10/4/07 17:36	10040716.D	Blank (200ml)	Rinse	WA	1	
17	10/4/07 18:12	10040717.D	Blank (200ml)	Rinse	WA	1	
18	10/4/07 18:48	10040718.D	Blank (200ml)	Rinse	WA	1	
19	10/4/07 19:25	10040719.D	25ng TO-15 CCV STD	S20-09270703/S20-09260708	WA	1	
20	10/4/07 20:01	10040720.D	1ng TO-15 CCV STD	S20-09270703/S20-09250710	WA	1	
21	10/5/07 6:44	10040721.D	BLANK		WA	1	

Columbia Analytical Services, Inc.
Air Quality Laboratory
An Employee Owned Company

QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07571
Quality Control Analyzed:	18-Sep-07
Cleaned:	14-Sep-07
Quality Control Analyzed on Container:	SC00822

Container IDs

SC00663
SC00650
SC00191
SC00097
SC00299
SC00870
SC00822
SC00740
SC00334
SC00431

Columbia Analytical Services, Inc.
Air Quality Laboratory
An Employee Owned Company

QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07573
Quality Control Analyzed:	19-Sep-07
Cleaned:	17-Sep-07
Quality Control Analyzed on Container:	SC00617

Container IDs

SC00672
SC00617
SC00530
SC00069
SC00606
SC00514
SC00674
SC00933
SC00377
SC00198

Columbia Analytical Services, Inc.
Air Quality Laboratory
An Employee Owned Company

QC CERTIFICATION

Quality Control Results:	PASS
Quality Control Batch ID:	07543
Quality Control Analyzed:	13-Sep-07
Cleaned:	08-Sep-07
Quality Control Analyzed on Container:	SC00628

Container IDs

SC00054
SC00848
SC00626
SC00372
SC00060
SC00002
SC00030
SC00420
SC00071
SC00628

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2702949

Project: WDI

Sample(s) received on: 09/24/07 Date opened: 09/24/07 by: MZ

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
	Cooler Temperature NA °C			
	Blank Temperature NA °C			
8	Were **custody seals** on outside of cooler/Box?	☒	☐	☐
	Location of seal(s)? Top of box, covering opening. Sealing Lid?	☒	☐	☐
	Were signature and date included?	☒	☐	☐
	Were seals intact?	☒	☐	☐
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Is pH (acid) **preservation** necessary, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** (acid) preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
	Do they contain moisture?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2702949-001			NA	
P2702949-002			NA	
P2702949-003			NA	
P2702949-004			NA	
P2702949-005			NA	
P2702949-006			NA	
P2702949-007			NA	
P2702949-008			NA	
P2702949-009			NA	
P2702949-010			NA	

Explain any discrepancies: (include lab sample ID numbers):

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: TRC Work order: P2702949

Project: WDI

Sample(s) received on: 09/24/07 Date opened: 09/24/07 by: MZ

Lab Sample ID	Required pH (as received, if required)	pH (as received, if required)	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2702949-011			NA	
P2702949-012			NA	
P2702949-013			NA	

Air - Chain of Custody Record & Analytical Service Request

Columbia Analytical Services INC.
An Employee - Owned Company
2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161
Fax (805) 526-7270

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day - Standard

CAS Project No. 8270249

Company Name & Address (Reporting Information): TRC, 21W. TECHNOLOGY DR, IRVINE, CA. 92618

Project Name: WDI

Project Number:

CAS Contact:

Project Manager: ANAND HELEKAR

P.O. # / Billing Information:

Phone: (949) 727-9336 Fax: (949) 727-7399

Email Address for Result Reporting: AHELEKAR@TRCSOLUTIONS.COM

Sampler (Print & Sign): ANDREW CANDELARIA ANC

Analysis Method and/or Analyte

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Sample Type (Air/Tube/Solid)	Canister ID (Bar Code # - AC, SC, etc.)	Flow Controller (Bar Code - FC #)	Sample Volume	VOC's by TO15	EPA 25C modified Total non-methane organic carbon + methane	EPA 3C modified fixed gases methane only if TGNMO concentrations are elevated		Comments e.g. Actual Preservative or specific instructions
WDI-VW35-S-9-20-07	1-5.0	9-20-07	0745	AIR	SC00870	6V-.5-031	6L	X	X	X		
WDI-VW35-D-9-20-07	2-7.2	9-20-07	0745	AIR	SC00334	6V-.5-151	6L	X	X	X		
WDI-VW35-DAC-9-20-07	3-5.4	9-20-07	0745	AIR	SC00933	6V-.5-101	6L	X	X	X		
WDI-VW62-S-9-20-07	4-4.6	9-20-07	0920	AIR	SC00299	6V-.5-170	6L	X	X	X		
WDI-VW62-I-9-20-07	5-5.3	9-20-07	0920	AIR	SC00097	6V-.5-171	6L	X	X	X		
WDI-VW62-D-9-20-07	6-5.4	9-20-07	0920	AIR	SC00617	6V-.5-172	6L	X	X	X		
WDI-VW62-AMBIENT-9-20-07	7-6.2	9-20-07	0920	AIR	SC00514	6V-.5-166	6L	X	X	X		
WDI-VW49-S-9-20-07	8-6.2	9-20-07	1103	AIR	SC00191	6V-.5-166	6L	X	X	X		
WDI-VW49-I-9-20-07	9-1.0	9-20-07	1103	AIR	SC00663	6V-.5-173	6L	X	X	X		
WDI-VW49-D-9-20-07	10-6.8	9-20-07	1103	AIR	SC00740	6V-.5-167	6L	X	X	X		
WDI-VW58-S-9-20-07	11-6.3	9-20-07	1224	AIR	SC00030	6V-.5-174	6L	X	X	X		
WDI-VW58-I-9-20-07	12-6.8	9-20-07	1224	AIR	SC00672	6V-.5-009	6L	X	X	X		
WDI-VW58-D-9-20-07	13-6.4	9-20-07	1224	AIR	SC00650	6V-.5-117	6L	X	X	X		

Report Tier Levels - please select
Tier I - (Results/Default if not specified) ____
Tier II - (Results + QC) ____
Tier III - (Data Validation Package) 10% Surcharge ✓
Tier V - (client specified) ____

EDD required: Yes / No
Type: _____
EDD Units: _____

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
ANC	9-20-07	1345	Rudy Weston	9/24/07	1240
Rudy Weston	9/24/07	1110	W Stanner	9/24/07	1310

Cooler / Blank: 1242S, 1243S